



# **Sri Sathya Sai College for Women, Bhopal**

**Established: 1974, Affiliated to Barkatullah University, Bhopal  
Accredited B+ by NAAC, 2004, Cycle I**

## **SELF STUDY REPORT**

### **Re-accreditation Cycle II**

**Submitted to:  
National Accreditation and Assessment Council**

**December, 2014**

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***Dedicated  
to the  
Lotus Feet  
of  
Sri Sathya Sai  
Baba***

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# Index

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<b>Contents</b>	<b>Page No.</b>
Preface	
Executive Summary	
SWOC Analysis of the Institution	
Profile of the Institution	
<b>Criterion-Wise Inputs</b>	
▪ Criterion I : Curricular Aspects	1-22
▪ Criterion II : Teaching-Learning and Evaluation	23-40
▪ Criterion III : Research, Consultancy and Extension	41-72
▪ Criterion IV : Infrastructure and Learning Resources	73-85
▪ Criterion V : Student Support and Progression	86-109
▪ Criteria VI : Governance, Leadership and Management	110-127
▪ Criteria VII : Innovations and Best Practices	128-138
<b>Evaluative Report of the Departments</b>	
▪ Department of Botany and Microbiology	139-150
▪ Department of Chemistry	151-164
▪ Department of Commerce	165-174
▪ Department of Computer Science and Application	175-190
▪ Department of Economics	191-196
▪ Department of Education	197-205
▪ Department of English	206-214
▪ Department of Hindi	215-232
▪ Department of History	233-239
▪ Department of Home Science	240-247
▪ Department of Mathematics	248-257
▪ Department of Music	258-265
▪ Department of Physics	266-279

▪ Department of Political Science	280-289
▪ Department of Psychology	290-296
▪ Department of Sanskrit	297-302
▪ Department of Sociology	303-309
▪ Department of Zoology & Biotechnology	310-322

### **Post Accreditation Initiatives**

- Report of the NAAC Peer Team Cycle – I
- NAAC Peer Team Suggestions Implemented by the Institution

### **Declaration by the Head of the Institution**

#### **Certificate of Compliance**

### **ANNEXURE**

Annexure I : Affiliation Certificate from the University

Annexure II : Certificate of 2(f) and 12(B)

Annexure III : NCTE Recognition Letter

Annexure IV : Copy of Accreditation Certificate

Annexure V : Building Plan of the Institution

Annexure VI : Audited Income-Expenditure Statement

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# Preface

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We take pleasure in submitting the Self Study Report (SSR) of our college to NAAC, Bangalore for the re-accreditation (Cycle-II) in compliance of our LOI requirements. Sincere efforts have been made to present factual details of the varied aspects of the institution. This exercise gave us an opportunity to review and analyse the institutional progress after the first accreditation and facilitated us in our quest for quality enhancement in the time to come.

We are highly indebted to NAAC Peer Team for examining our systems and validating our claims in our first assessment for which we received B+ Grade in the year 2004. While the approval and appreciation of NAAC Peer team fortified our resolve to touch greater heights, their fruitful suggestions have helped us to overcome the shortcomings. The IQAC established after the first accreditation has been instrumental in raising the bar of excellence and adopting and implementing diverse quality enhancing measures. We have tried our level best to implement the suggestions of the NAAC Peer Team.

This report is the outcome of the collective efforts of the entire campus community. It is a matter of great satisfaction that the teaching, non-teaching staffs, students and administration have been working as a team with an excellent level of understanding and zeal which will undoubtedly help the institution to grow from strength to strength in its pursuit of knowledge and excellence.

This purely Women's college is committed to highest quality outcomes in teaching-learning, research and value based education. We offer ourselves for quality inspection by NAAC in order to get accreditation status, which will enable us to serve the concerned stakeholders better.

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Principal,  
Sri Sathya Sai College for Women,  
Kasturba Hospital Road, Habibganj  
Bhopal (M.P.) – 462024  
Email: ssswcbhopal@yahoo.co.in  
Website: www.srisatyaiaiedubpl.org

# Executive Summary

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Sri Sathya Sai College for Women, Bhopal was founded by no less a person than our founder President Bhagwan Sri Sathya Sai Baba on 4th July 1974, a Guru Purnima day. With His Divine grace, the institution set sail on its worldly journey in December 1974 under the stewardship of Dr.(Ms.) Tara Prabhu who was specially deputed by Swami for this assignment.

The college was started in a shed in Bharat Heavy Electricals Limited (BHEL) township. The BHEL community, secular in its outlook, enjoys wide exposure to modern science and technology. An ambience of sophistication and modernism based on liberal education prevails in the township. Way back in the 70s, Bhopal city was not so developed and it was not easy to commute from the township to the city. Therefore, the need of a Girls College was strongly felt. The people of Bhopal, particularly BHEL Township was blessed by Baba's divine grace when the college was established in December 1974 in the Piplani area of BHEL township.

Sri Sathya Sai College for Women, Bhopal, affiliated to Barkatullah University; Bhopal was started with 21 students, 5 teachers and a single faculty – Arts, with five subjects: English, Hindi, History, Economics and Political Science. Recognizing and appreciating the efforts and performance of the institution, BHEL decided to provide some land on lease for the college. The present site of 21 Acres was leased out and the college moved to its new premises in Habibganj area of the township in 1981. The same year the college introduced the science faculty and five teachers were added. The new building was formally inaugurated and the students and staff were blessed by Swami during His Divine visit to Bhopal on 13th April 1982. Faculty of B.Sc. Home Science was introduced in 1983 and in the following year Department of Education was introduced. The Science faculty acquired –in- aid status in 1987. Considering the need of the time Computer Department was established in 1990 with modular courses and PGDCA. Soon the Commerce faculty was added to start the B.Com programme. Consequently to keep pace with the requirements of time, new courses like B.Sc. Computer Science and B.Com. Computer Application, BCA and PG courses were introduced for English, Hindi, Mathematics, Political Science, History, Zoology, Biotechnology, Computer Science and Commerce.

Though education is important for all Swami particularly emphasizes on female education. The primary objective of the institution is to promote women's empowerment through value based education. The college is guided by the objectives of Sai education which can be summed up as:-

- Development of well- integrated personality sensitive to humanism and spirituality.

- Considering character building as the end of education, to make the student aware of their intellectual and spiritual strength and help them to utilize it for social reconstruction.
- To instill faith in God, self confidence, feeling of brotherhood, commitment to truth, love, non violence and a deep sense of social responsibility.
- To develop a profound sense of national pride by highlighting our ancient culture and values depicted in our scriptures.
- To help students to discriminate between mere knowledge and wisdom and to inspire them with creativity and imagination.

The institution firmly believes that the education should equip one with the mental strength and steadiness to face the challenges of life. Therefore the best way to empower and emancipate women is to educate them. Our college is committed to empower women to think independently, to understand complexities and challenges of modern life and to transform them to opportunities. Upholding the noble traditions laid down by our founders, the institution is marching towards excellence.

A brief summary of the academic and extra-curricular activities considered criteria wise is worthwhile.

#### **Criteria I: Curricular Aspects:**

Explaining the purpose of establishing the college, Baba said: “I insist that the students should progress in developing skills which will make them useful to the society.” We believe that education should not only enable students to earn a living, but should make them better human beings. Hence our students not only concentrate on their studies, but also on the development of character so that they serve as example to others and promote the ideals of Sai Education through their deeds and actions.

Sri Sathya Sai College for Women, Bhopal is affiliated to Barkatullah University, Bhopal. The college conducts the following UG programs: B.A., B.Sc., B.Com, BCA, B.Sc. (Home Science) and B.Ed. Our PG programs include: M.A. Hindi, English, History, Political Science, M.Sc. Chemistry, Mathematics, Zoology, Biotechnology and Computer Science, M.Com. and PGDCA.

The college follows the academic calendar issued by the Department of Higher Education, Government of Madhya Pradesh. We follow the curriculum prescribed by the Barkatullah University, Bhopal. We follow semester system with Continuous Comprehensive Evaluation. Examination and evaluation is conducted by the University. Although we have no autonomy in designing the syllabus our teachers make sincere efforts for effective curriculum delivery. Besides traditional class room teaching, our teachers make use of smart class, audio visual aids like OHP, LCD projector, Computer DVDs etc. National Program on Technology Enhanced Learning (NPTEL) teaching videos and other useful websites are used for effective teaching and learning. Besides regular classes, remedial classes are held for slow learners and



students from reserved category. Special lectures by invited speakers are conducted to create awareness regarding social and general issues, environment, health, female security, value education, nationalism etc.

Institutional goals and objectives are integrated in the academic programme through daily morning assembly and prayer. National pride is instilled among the students by hoisting national flag every morning, collective singing of the national anthem and national song and celebration of national festivals. Since our goal is, "Education for life and not just for living", we motivate our students to excel both in academics and extracurricular activities.

### **Criteria II: Teaching Learning and Evaluation**

Online admissions are conducted by the Department of Higher Education, Government of M.P. The system is 100% transparent. The list of eligible candidates is sent to the colleges. The whole process of admission is displayed on the notice board. Prospectus with complete details of the college is provided to the students. Generally we admit all the eligible students as per university rules. Teachers are recruited as per UGC norms. We have a team of highly qualified and dedicated teachers who enjoy an enviable reputation for excellence in teaching and learning.

Fully aware of the extent and significance of institutional accountability in the teaching-learning and evaluation process, individualized teaching learning programmes and coaching are conducted to cater to the broad spectrum of academic caliber of the students admitted. The college maintains a student centric atmosphere to achieve the desired learning outcomes.

Assignments are given and class tests are conducted to assess the academic needs of the students. Slow learners and advanced learners are identified through an analysis of formative tests. Remedial classes are arranged to help slow learners. Specialized classes are organized for enhancing the competence and performance of advanced learners. Remedial coaching is also arranged for the minority, reserved category and economically backward students. ICT based facilities are used extensively for dissemination of knowledge and evaluation. The teachers employ interactive and participatory approach creating a feeling of responsibility in learning and make learning a process of construction of knowledge.

Interactive instructional techniques like guided group discussion, projects at both UG and PG level, job oriented internship, brainstorming sessions, experiments, power point presentations and application of ICT resources enrich the teaching learning experience and engage students in high order of thinking and investigation. To facilitate teaching and learning the college has a fully computerized central library with a rich collection of books and journals.

We take pride in conveying that the general quality of students who come to us is average or rather weak. The institution endeavors to uplift the weak students and

make all efforts to explore the talents and capacities encouraging them to work hard with confidence and determination. The teaching learning is constantly monitored and evaluated by the HODs and the Principal.

Teacher quality is assured by recharging the faculty members in their own discipline and on general professional competence through faculty development programs. The strong feedback mechanism and self-appraisal system motivate the teachers to enhance their competency.

**Criteria III: Research, Consultancy and Extension:**

The college encourages its staff to take up research activities like major and minor projects, writing research papers in journals of national and international repute, participating in seminars, workshops and conferences. The institute has a research committee to monitor and address the issue of research. More than 50% of our teachers are Ph.D. holders. The institute is a recognized research center for Hindi, and we are in process for Biotechnology, Zoology, Botany, Microbiology and Chemistry. To promote research culture in college a biannual interdisciplinary Research Journal “Highbrow” was published with ISSN number. To develop scientific temper and aptitude among students, the teachers motivate and guide them to undertake research oriented project under job oriented scheme of Higher Education. Students are also encouraged and guided to write research papers and dissertation. Experts from various fields are invited at regular intervals to interact with our students to apprise them of new developments in different fields. The institute conducts various awareness programmes based on latest research which are helpful for the community. To facilitate research we have a rich library. Our library has a UGC network resource center dedicated to research scholars. We also have access to more than 97,000 e-books and 6000 e-journals through N-list programs of INFLIBNET.

We have Career Guidance and Placement Cell to make the students aware of the various career opportunities. Campus selection programs are conducted for placement.

Extension activities are conducted to ensure holistic development of the students and make them sensitive and responsible citizens. The college has NSS, NCC, Red Ribbon Club, Youth Red Cross, Nature is Calling You Club, Women Empowerment programme etc. Students are made aware of the benefits and incentives associated with extension activities. Extension activities help students to imbibe moral values and problem solving skills. They are exposed to real life experiences and it gives them platform to interact with a wider variety of people.

Collaboration with various research institutes, laboratories, industry and organizations provide opportunities for quality learning through project work and internship and create better carrier prospects.

#### **Criteria IV: Infrastructure and Learning Resources**

In the last 30 years the institution has developed its infrastructural and learning resources at a steady pace. To facilitate effective teaching learning and to make optimum use of infrastructural and learning resources the college runs in overlapping shifts.

The college has more than 30 classrooms, 15 well equipped labs, 4 technologies enabled learning spaces, assembly hall, common room for students, multipurpose hall in the hostel. We have gardens, playgrounds and well equipped gymnasium. The college has open air stage with open space for in house activities. We have fully computerized central library with Network Resource Center and e-resources through INFLIBNET.

We have a hostel in the campus which can accommodate 108 students. There is a provision for rain water harvesting and solar heaters. There is provision for solar heater and water coolers with aquaguards to provide safe drinking water. There is a canteen and Health & Witness Center in the campus.

Certain other facilities like vehicle stand, Bank counter, M.P. online KIOSK to help students for online admissions, university enrollment and examinations.

#### **Criteria V: Student Support and Progression**

Our students are most precious to us. We aim at all around development of the students through value based education. Our primary objective is to uplift the weak students and help them to explore and identify their strengths and weaknesses. To develop teacher-pupil relationship we follow Advisor- Advisee system. Every teacher has a group of students under her and like guardian she keeps track of their academic progress and problems. Slow learners are identified and given support to cope with their studies. Advanced learners are motivated for in-depth studies and inspired to prepare and appear for competitive exams. The performance of the students is monitored through Continuous Comprehensive Evaluation (CCE). We have a rich library and internet resource center. Departments have book banks which particularly cater to students who cannot buy books.

To support the needy and meritorious students various scholarships are given. Besides those provided by the state government and some private agencies the institute also provides free ships to meritorious students and there is provision for sister concession in case of two sisters studying simultaneously in the college.

The students are encouraged to participate in extracurricular activities and extension activities besides academics. Our students actively participate in NSS and NCC programs. The college offers various recreational facilities, indoor and outdoor games, hobby classes, activities associated with various societies. Cultural programs and competitions are held regularly. Our library provides ample material for pleasure reading like novel, magazines, spiritual and inspirational literature.

We have career guidance and placement cell which appraises students of opportunities for higher education and also employment opportunities. Campus selection programs are also conducted. Students are encouraged and facilitated to develop communicative skills and to hone their soft skills. They are also encouraged to avail opportunities for self-employment. Personality development programs are conducted.

The grievance redressal cell actively interacts with the students and takes their feedback on the teaching learning and infrastructural facilities of the college. Grievances are promptly attended to and resolved.

There is provision for students' union but the elections could not be held in the last two years as per the directives of the Department of Higher Education. However we have student representations in various committees like Library, Discipline, Canteen, Research, IQAC etc.

### **Criteria VI: Governance Leadership and Management**

Sri Sathya Sai College for Women, Bhopal is governed by Sri Sathya Sai Education Society which is a registered body. It is a private college affiliated to Barkatullah University, Bhopal. The Management, Principal and faculty work in conjugation to formulate and implement its quality policy and plans for assurance and sustenance of quality in higher education. The Principal is the head of the institution and bears the ultimate responsibility of smooth running of the college. The management encourages the participation of staff in the process of decision making for the institutional functioning. Teachers are assigned different managerial tasks associated with the general administrative finance and developmental process of the institution. The principal prepares the action plan in consultation with respective HODs. The management ensures flexibility in action plan in order to accommodate new and latest ideas.

The financial resources of the institution comes from-

- Salary grants from M.P. Government for grant in aid staff associated with arts and science faculty and some class III and IV staff.
- Development grant is received from the UGC for books, equipments and building.
- Internal resources i.e. fees generated by different courses.

Although departments have no financial autonomy, funds are sanctioned as and when required for departmental requirements. The policy and plans of the institutional get directives from the controlling authorities like University, Department of Higher Education, Government of M.P., UGC and NCTE.

Conscious efforts are made to develop a healthy relationship with the stakeholders, students, parents, alumni and industry. Feed back is obtained from the stakeholders regarding the functioning of the college. There is complete transparency in the working of the college. The management is cooperative and encouraging. Regular

meetings of the staff council, managing committee, IQAC and HODs offers a platform to present and discuss the perspective plans of the college and help in effective implementation of institutional policies.

The management adopts a strategy of careful faculty recruitment and then they are oriented to imbibe the core values and ethos of the college. Professional competence of the staff is updated regularly. Mechanisms for regular performance appraisal of staff have been evolved to ensure academic excellence.

The IQAC was established in 2004, as post accreditation measure in compliance with NAAC regulations. Regular meetings of the IQAC and the HODs help in effective planning and implementation of institutional policies. Annual review and progress assessment is done by IQAC and Annual Quality Assurance Report (AQAR) is prepared and sent to NAAC, Bangalore.

### **Criteria VII: Innovation and Best Practices**

The most distinguishing feature of the institution is that education in Human Values is conducted along with the regular academic curriculum, with the objective of bringing forth good human beings and responsible citizens.

We have a huge eco-friendly campus with lawns, rose garden and a medicinal plant garden. Students are encouraged to keep the campus clean and prevent pollution. Tree plantation programmes within and outside the campus is conducted every year by NSS, NCC, Alumni association and the Environment Cell. Solar heaters are used in the hostel. There is a provision for rain water harvesting in the college and the water thus harvested is used for watering the gardens. Vermicomposting is adopted to manage organic waste and to generate manure.

Separate bins for biodegradable waste/ recyclable/ e-waste/ other solid waste are kept at various places in the campus.

Our Central Library is automated with-

- UGC network resource center
- Federated search- an information retrieval technology which allows simultaneous search of multiple resources.
- Online public access catalogue available on computer terminals in the library.

Personality and Skill Development cell was established for complete personal grooming and physical fitness.

Study circle was established for development of communicative skills.

Linkages with industry and collaboration with research centers have been developed to nurture global competencies among students.

The best practices of the institution include-

- Value education and spiritual awakening
- Activities to empower women through skill development and counseling

This is a purely womens institution aiming at the all-round development of the students. The college is geared to achieve its specific goals and objectives by creating a deep sense of discipline among the students. Classes are held regularly and teachers are accountable for effective administration of the prescribed syllabus.

In the college the day begins with a collective assembly, Sarv Dharam prayer followed by Maun (silence) and Mangal Arti. Every Thursday Bhajans are sung and students are familiarized with Indian culture and spirituality through lectures and discourses. After prayer few minutes are devoted to yoga and meditation to create an atmosphere of peace and equipoise.

Three days residential camp based on Indian culture and spirituality is organized annually in the college campus for both students and teachers free of cost.

Every year Makar Sankranti is celebrated with Laksharchan.

Every year a group of students and teacher visit Puttaparthi for Darshan.

Our college is constantly marching forward with its vision of empowering women with value based education. Young educated women go out of this campus with the purpose to contribute to the society by doing justice to their profession building ideal families and moulding a new generation with values.

# SWOC Analysis of the Institution

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## STRENGTH

- The Mission, Vision and Objectives set out by our Chancellor Sri Sathya Sai Baba is our greatest strength.
- College is one of the reputed and iconic institutions which has created benchmarks on the horizon of education in Bhopal for empowerment of women for the past 40 years.
- College has highly qualified faculty engaged in research and writing books. More than 50% of our teachers have doctorate degree and most of them are actively engaged in research, publishing papers in national and international journals, 06 of our faculty has participated in international conferences in USA, France, China, Singapore and Japan.
- A number of self financing courses are available for the girls spanning over 6 faculties.
- This is a Grant-in-Aid college and has a vast campus of more than 19 Acres with lush green gardens. Good infrastructural facilities of the institution facilitate a congenial atmosphere for Teaching & Learning.
- Girls hostel with the capacity of 108 students, fully automated Library, Gymnasium, Canteen, Student Activity Centre, two vehicle stands are some of our highlights.
- Thrust on quality value-based education through healthy practices to develop positive attitude, leadership qualities and self-awareness.
- Pioneers of teacher- parent contact and "Advisor - Advisee" system from the beginning since 1975.
- Exposure to students and faculty through enrichment programmes and through upgraded activities like National Seminars & Workshops.
- Interaction of students with visiting academicians
- ICT enabled interactive teaching-learning and participatory management practices.
- Promotion of Research aptitude among UG and PG students under the guidance of highly qualified faculty.
- Linkages and collaborations with Industry/Research institutes to boost confidence and creativity in students and to augment career prospects.
- Interdisciplinary Research Journal "Highbrow" is published to promote research environment in the college.
- Numerous facilities, scholarships and financial aid available to meritorious , deserving students and outstanding performers.
- Proven track record of outstanding results with excellent top merit positions in the University bagged by our students every year.
- Feedback mechanism to monitor all aspect of functioning of the college.
- Initiatives taken to maintain pollution-free, eco-friendly campus.
- Emphasis on value based life and spiritual development. Keeness for all-round personal and social development of inmates.
- Adherence to transparency, responsibility and accountability norms. Punctuality and discipline are the hall marks of our college.
- Examination results are generally 100% with majority of them securing 1<sup>st</sup> Division.

### **WEAKNESSES**

- Controlled Procedures to introduce new age programmes at UG and PG level due to affiliation with University
- Erratic schedule of university examinations up-set the academic and co-curricular activities of the college
- Affiliation and recognition of research centre in various subjects is still under process.
- Lack of soft skills and general awareness in most of the students.
- Less number of classrooms as compared to the strength of the students.
- Due to paucity of funds, the management is unable to pay the staff adequately.
- Though our library is very rich and fully computerized, it can accommodate only 100 students at a time. This facility needs to be extended to at least 300 students at a time.
- We do not have an auditorium, so we organize annual functions and other events elsewhere in the town.
- We do not have a playground in conformity with national standards.
- The 9 P.G. programmes have small number of students on-roll.

### **OPPORTUNITIES**

- Borderless knowledge scenario in the wake of liberalization and use of ICT to reach out to the global pool of knowledge
- To provide education to the first generation learners of economically weaker
  - class.
- Developing sports facilities including a gymnasium for yoga (proposal sent to
  - UGC).
- To improve the general awareness and soft skills of the students.
- We can provide more job-oriented programmes.
- Strengthening of Alumni Association to support the developmental activities of the college.
- Now we have a great opportunity to augment inter disciplinary and multi disciplinary courses and also courses which provide employment for instance, B.A., LL.B.; B.Com., LL.B.; B.Sc., LL.B. 5 year integrated courses.
- We have an opportunity to provide for the coaching/training needs of students within the premises of the college. This will result in revenue increase in the college.
- Now is the time to pay attention to development of Soft Skills, Communication Skills, IT skills and Business Mathematics.
- It is indeed very opportune time to equip and train teachers and parents in the Arts and Science of parenting associated to the challenges young people are faced with.
- Last but not the least; spiritual life is the answer to many odds faced by students, teachers and parents. The college has accepted the challenge of creating spiritual environment for the college students.



## **CHALLENGES**

- Limitation and constraint of financial support from Government.
- To achieve academic excellence despite adhoc enrollment of teachers.
- To motivate the faculty and staff to update their knowledge and teaching practices with the changing scenario. New mushrooming colleges in the vicinity.
- To establish the college as a recognised research centre in some department due to slow procedures of university affiliation.
- To educate and make the people aware of the sanctity of the institution so that they may not get involved in any nuisance and anti social activities.
- The traditional UG and PG courses especially in Arts and pure Science subjects are no longer attractive to students. This has a bearing on the fee revenues of the college and also usefulness of teaching faculties. Some of the courses may die an untimely death.
- Courses run by prestigious career oriented institutions in the city for CAT/MAT/GMAT/CA/CS is posing a grave threat to the regularity of students in the class rooms.
- The employability of students after UG/PG courses is mainly dependent on their language skills and IT skills. It is challenging to compliment our teaching-learning with IT skills and to develop the skill of effective communication.
- Depleting value system in society has a significant impact on young students. To instill values and discipline in them is a challenge.

# Profile of the College

## 1. Name and Address of the College:

Name :	Sri Sathya Sai College for Women	
Address :	Kasturba Hospital Road, Habibganj	
City : Bhopal	Pin : 462024	State : Madhya Pradesh
Website :	www.srisatyasaiedubpl.org	

## 2. For Communication:

Designation	Name	Telephone STD code(0755)	Mobile	Fax	Email
Principal	Dr. Sudha Pathak	O: 2472960 R: 2464387	9893003202	0755 - 2456308	ssswebpl@yahoo.co.in spathak@srisatyasaiedubpl.org
Vice Principal	Dr. Asha Agarwal	O: 2451119 R: 2458839	9826141741		ashvarsh@rediffmail.com asha_agarwal@srisatyasaiedubpl.org
Steering Committee Coordinator	Dr. Archana Srivastava	O: 2451119 R: 2660186	9329076576		archansaran01@gmail.com ashrivastava@srisatyasaiedubpl.org
	Dr. Renu Mishra	O: 2451119 R: 2467878	9425014870		renumishra21@gmail.com rmishra@srisatyasaiedubpl.org

## 3. Status of the Institution:

Affiliated College	<input checked="" type="checkbox"/>
Constituent College	<input type="checkbox"/>
Any other (specify)	<input type="checkbox"/>

## 4. Type of Institution:

By Gender

i. For Men	<input type="checkbox"/>
ii. For Women	<input checked="" type="checkbox"/>
iii. Co-education	<input type="checkbox"/>

By Shift

I Regular	<input type="checkbox"/>
Ii Day	<input checked="" type="checkbox"/>
Iii Evening	<input type="checkbox"/>

## 5. It is a recognized minority institution?

Yes	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

**6. Sources of funding:**

Government	<input type="checkbox"/>
Grant-in-aid	<input checked="" type="checkbox"/>
Self-financing	<input checked="" type="checkbox"/>
Any other	<input type="checkbox"/>

**7. a) Date of establishment of the college: 23/12/1974**

**b) University to which the college is affiliated /or which governs the college (If it is a constituent college)**

Barkatullah University, Bhopal

**c) Details of UGC recognition:**

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	27/03/1982	-
ii. 12 (B)	01/08/1983	-

**d) Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)**

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i. 17(1) of NCTE Act	B.Ed	15-01-2001	For one year	Renewed every year
ii.				
iii.				
iv.				

**8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?**

Yes  No

If yes, has the College applied for availing the autonomous status?

Yes  No

**9. Is the college recognized**

a. by UGC as a College with Potential for Excellence (CPE)?

Yes No 

If yes, date of recognition: ..... (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes No 

If yes, Name of the agency ..... and

Date of recognition: ..... (dd/mm/yyyy)

**10. Location of the campus and area in sq.mts:**

Location *	Urban
Campus area in sq. mts.	76890sq mts
Built up area in sq. mts.	14372sq mts

(\* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

**11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.**

- Auditorium/seminar complex with infrastructural facilities

- Sports facilities

- play ground
- swimming pool
- gymnasium

There are 5 playgrounds(Basket Ball court, Kho-Kho field, Volley Ball, Athletic field, Badminton) and 1 Gymnasium.

- Hostel

- Boys' hostel

Number of hostels	
Number of inmates	
Facilities (mention available facilities)	

- Girls' hostel

Number of hostels	02
Number of inmates	28
Facilities (mention available facilities)	
<ul style="list-style-type: none"> <li>Gymnasium</li> <li>Library</li> <li>Internet</li> <li>Play Ground</li> <li>Indoor Games</li> <li>Outing Facility</li> <li>Canteen</li> </ul>	

- Working women's hostel  N.A

Number of inmates	
Facilities (mention available facilities)	

- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise) : 03  
Asst. Warden(02), Class IV(5)
- Cafeteria : 01
- Health centre : 01

- First aid, Inpatient, Outpatient, Emergency care facility,

Ambulance..... Health centre staff – First Aid available

Qualified doctor -	Full time	<input type="checkbox"/>	Part-time	<input checked="" type="checkbox"/>
Qualified Nurse -	Full time	<input type="checkbox"/>	Part-time	<input type="checkbox"/>

- Facilities like banking, post office, book shops
  - Extension counter of U.C.O Bank
  - Stationery Store
- Transport facilities to cater to the needs of students and staff - Yes
- Animal house - No
- Biological waste disposal - Yes
- Generator or other facility for management/regulation of electricity and voltage – Yes (Generator and Inline U.P.S.)
- Solid waste management facility – Yes (Vermicomposting Pit)
- Waste water management - No
- Water harvesting - Yes

**12. Details of programmes offered by the college (Give data for current academic year)**

S.No.	Programme Level	Name of the Programme/ Course	Duration (Years)	Entry Quali- fication	Medium of instruction	Sanctioned/ approved Student Strength	No. of students admitted
1	Under- Graduate	B.A	03	10+2	Hindi, English	100	16
		B. Sc	03	10+2	Hindi, English	300	109
		B.Com	03	10+2	Hindi, English	300	166
		B.C.A	03	10+2	Hindi, English	60	26
		B.Sc. (H.Sc.)	03	10+2	Hindi, English	30	----
2	Post- Graduate	M.A(Hindi)	02	U.G	Hindi	40	02
		M.A(English)	02	U.G	English	40	01
		M.A (Political Science)	02	U.G	Hindi, English	40	11
		M.A(History)	02	U.G	Hindi, English	40	01
		M.Com	02	U.G	Hindi, English	80	10
		M.Sc(Maths)	02	U.G	Hindi, English	25	20
		M.Sc. (Chemistry)	02	U.G	Hindi, English	25	12
		M.Sc. (Zoology)	02	U.G	Hindi, English	25	03
		M.Sc. (Biotechnology)	02	U.G	Hindi, English	25	----
		M.Sc.(Computer Science)	02	U.G	Hindi, English	25	01
3	Integrated Programmes PG						
	Ph.D.						
	M.Phil.						
	Ph.D.	Hindi	04+01	P.G.	Hindi, English	08	08

		Botany	04+01	P.G.	Hindi, English	08	Nil
		Microbiology	04+01	P.G.	Hindi, English	08	08
		Education	04+01	P.G.	Hindi, English	08	06
		Zoology	04+01	P.G.	Hindi, English	08	Nil
		Chemistry	04+01	P.G.	Hindi, English	08	01
	Certificate courses						
	UG Diploma						
	PG Diploma	PGDCA	01	U.G		30	-----
	Any Other (specify and provide details)	B. Ed	01	U.G		100	100

**13. Does the college offer self-financed Programmes?**

Yes  No

If yes, how many?

**14. New programmes introduced in the college during the last five years if any?**

Yes	<input type="text"/>	No	<input checked="" type="checkbox"/>	Number	<input type="text"/>
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**15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)**

Faculty	Departments	UG	PG	Research
Science	Biotechnology	✓	✓	
	Botany	✓		✓
	Chemistry	✓	✓	✓
	Computer Science	✓	✓	
	Mathematics	✓	✓	
	Microbiology	✓		✓
	Physics	✓		
	Zoology	✓	✓	✓
Arts	Economics	✓		
	English	✓	✓	

Faculty	Departments	UG	PG	Research
	Hindi	✓	✓	✓
	History	✓	✓	
	Home Science	✓		
	Music	✓		
	Political Science	✓	✓	
	Psychology	✓		
	Sanskrit	✓		
	Sociology	✓		
Commerce	Commerce	✓		
Computer Science & Application	Computer Science	✓	✓	
	Computer Application	✓		
Education	Education	✓		✓

**16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)**

Annual system	01(B.Ed.)
Semester system	09
Trimester system	N.A.

**17. Number of Programmes with**

Choice Based Credit System	Nil
Inter/Multidisciplinary Approach	Nil
Any other (specify and provide details)	02(One Professional & one job oriented programmes B.Ed., P.G.D.C.A)

**18. Does the college offer UG and/or PG programmes in Teacher Education?**

Yes  No

If yes,

- Year of Introduction of the programme(s) 11/05/1984 and number of batches that completed the programme
- NCTE recognition details (if applicable)  
Notification No.: WRC/5-6/2k/357  
Date: 15/01/2001  
Validity: One year (renewed every year)
- Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes  No

**19. Does the college offer UG or PG programme in Physical Education?**



Yes  No

If yes,

- Year of Introduction of the programme(s)..... (dd/mm/yyyy) and number of batches that completed the programme
- NCTE recognition details (if applicable)  
Notification No.:  
..... Date:  
..... (dd/mm/yyyy)  
Validity:.....
- Is the institution opting for assessment and accreditation of Physical Education Programme separately?  
Yes  No

**20. Number of teaching and non-teaching positions in the Institution**

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government <i>Recruited</i>	-	-	-	-	-	08	03	03	-	03
Yet to recruit	-	-	-	-	-	-	-	-	-	-
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	-	-	-	-	-	61	18	35	-	07
Yet to recruit	-	-	-	-	-	15	-	-	-	-

\*M-Male \*F-Female

**21. Qualifications of the teaching staff:**

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.						-	-
Ph.D.						34	34
M.Phil.						01	01
PG						21	21
Temporary teachers							
Ph.D.						03	03
M.Phil.						01	01
PG						09	09
Part-time teachers : NA							
Ph.D.							
M.Phil.							
PG							

**22. Number of Visiting Faculty /Guest Faculty engaged with the College.**

Nil

**23. Furnish the number of the students admitted to the college during the last four academic years.**

Categories	2010-11		2011-12		2012-13		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC		<b>110</b>		<b>105</b>		<b>121</b>		<b>101</b>
ST		<b>38</b>		<b>42</b>		<b>43</b>		<b>28</b>
OBC		<b>352</b>		<b>380</b>		<b>381</b>		<b>409</b>
General		<b>898</b>		<b>862</b>		<b>837</b>		<b>734</b>
Others								

**24. Details on students enrollment in the college during the current academic year:**

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	<b>1,013</b>	<b>133</b>	-	<b>08</b>	<b>1,154</b>
Students from other states of India	<b>08</b>	<b>01</b>	-	-	<b>09</b>
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	<b>1,021</b>	<b>134</b>	-	<b>08</b>	<b>1,163</b>

**25. Dropout rate in UG and PG (average of the last two batches)**

UG  PG

**26. Unit Cost of Education**

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component

(b) excluding the salary component

**27. Does the college offer any programme/s in distance education mode (DEP)?**

Yes  No

If yes,

a) is it a registered centre for offering distance education programmes of another University: Yes  No

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes  No

**28. Provide Teacher-student ratio for each of the programme/course offered**

Course	Teacher Student Ratio
B.A	1:2
B.Sc	1:11
B.Com	1:88
B.C.A	1:17
B.Sc(H.Sc)	2:1
B.Ed.	1:11
M.A. Hindi	1:1
M.A. English	2:1
M.A. History	2:1
M.A. Political Science	1:5
M. Sc. Chemistry	1:2
M. Sc. Mathematics	1:9
M. Sc. Zoology	1:1
M. Sc. Biotechnology	2:1
M.Sc. Computer Science	1:2
M.Com.	1:8
P.G.D.C.A.	3:1

**29. Is the college applying for**

Accreditation : Cycle 1  Cycle 2  Cycle 3  Cycle 4

Re-Assessment:

*(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)*

**30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)**

Cycle 1: **03/05/2004** (dd/mm/yyyy) Accreditation Outcome/Result : **B+**

Cycle 2: ..... (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: ..... (dd/mm/yyyy) Accreditation Outcome/Result.....

**31. Number of working days during the last academic year.**

**259**

**32. Number of teaching days during the last academic year**

(Teaching days means days on which lectures were engaged excluding the examination days)

**202**

**33. Date of establishment of Internal Quality Assurance Cell (IQAC) IQAC**

01/07/2004 (dd/mm/yyyy)

**34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.**

AQAR (i) 30/03/2010 (dd/mm/yyyy)

AQAR (ii) 18/07/2014(dd/mm/yyyy)

AQAR (iii)21/07/2014(dd/mm/yyyy)

AQAR (iv) 25/07/2014(dd/mm/yyyy)

**35. Any other relevant data (not covered above) the college would like to include.**

(Do not include explanatory/descriptive information)

***Criterion-Wise Inputs***

# CRITERION I: CURRICULAR ASPECTS

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## 1.1 CURRICULUM PLANNING AND IMPLEMENTATION

**1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.**

**Vision of the Institution :**

“We envision the emancipation and empowerment of women through value based education and enabling them to participate actively in the work of nation building and social reconstruction”.

**Mission Statement of the Institution:**

“In this College the medium is Discipline; the first, second and third languages are Love, Service and Sadhana”.

**Objectives :**

- Development of well-integrated personality, by making the students aware of their intellectual and spiritual capabilities, and by helping them to channelize their capabilities for the moral and social reconstruction.
- To develop faith in God and restore a profound sense of national pride by highlighting our ancient culture and value based education of the past.
- To instill discipline, self –confidence, spirit of sacrifice and brotherhood.
- To create a sense of responsibility and commitment towards the society and country.

**The above are communicated to the students, teachers, staff and other stakeholders by following methods :**

- The mission and vision of the College are displayed at the main entrance of the college, Principal room, Prayer Hall and at the respective department building blocks.
- It is communicated to the students through college prospectus, college magazine and during induction program.
- The vision and mission statement are communicated to other stakeholders through annual college magazine “Divya” and through college website.
- Every day one student of the college communicates the mission of the institution to all other fellow students in the assembly

**1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).**

- The curriculum is prescribed by the affiliating university (Barkatullah University, Bhopal). We have no autonomy in designing the Curriculum. As per the guidelines of UGC – Delhi, Central Board of Studies designs the

syllabus which is then reviewed by the Board of Studies of respective affiliating universities.

- The college follows the academic calendar issued by the Department of Higher Education, Government of Madhya Pradesh.
- Portions of the syllabus are allotted to the teachers of each department in each semester by the department head.
- Every teacher prepares a teaching plan and maintains a daily teaching diary, which exhibits the implementation of the plan. The teaching diary is reviewed and signed by the Head of the Department at the end of the month.
- Semester System with Continuous Comprehensive Evaluation (C.C.E.) is followed as per the academic calendar declared by the Department of Higher Education, Government of Madhya Pradesh.
- Remedial and enrichment programmes are conducted throughout the academic session.

**1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?**

- Semester system was introduced by the Government of M.P. statewide to reduce the curriculum load of the students. To reduce the examination days single paper system with Continuous Comprehensive Evaluation (C.C.E.) is implemented by the affiliating University. Job oriented internship in the final semester is part of the syllabus/curriculum.
- Various methodologies are adhered to for the effective curriculum delivery like traditional classroom teaching, Smart class teaching, teaching using OHP, LCD projector and computers. The videos and online content of relevant topics are shown to the students. The teachers are encouraged to browse the internet for their subject and college library for textual aids. In Continuous Comprehensive Evaluation (C.C.E.) college gives the teachers full liberty to choose the effective evaluation method of assessment.
- For effective curriculum delivery, we emphasize on the following:
  - Visits to the historical/industrial/botanical gardens and research labs etc. by the relevant departments
  - National Programme on Technology Enhanced Learning (NPTEL) teaching videos, and other useful websites are used for effective teaching & learning.
  - Sufficient importance is given to the overall development of students by encouraging them to work with various societies of the college opted by them.

**1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other Statutory agency.**

- The college relies upon the globally trusted and followed teaching strategy, i.e., the chalk and talk method. However, the college and the teaching faculty have taken many initiatives for effective delivery of the curriculum like

- Role play method
  - Group Discussion
  - Tutorial
  - Classroom Teaching
  - Assignment
  - Presentation
  - Preparation of models and charts
  - Dissertation
  - Regular class test based on multiple choice question
  - Study of research journals etc. are incorporated along with the normal teaching.
  - Attending seminars
  - Writing and enacting play
  - Story writing
  - Poster
  - Exhibition
  - Board magazine
  - Newsletter
  - Literary quiz
  - Preparation of question bank
- The College faculty is trained by the computer department to make them familiar with the use of computers so that they are able to use the modern technological resources like internet, and use teaching aids like LCD projectors and Overhead Projectors (OHPs) etc. to supplement their class room lectures. All the teachers are adequately qualified to use modern teaching resources.
  - The departments have created a Book Bank wherein all the useful books are made available by the faculty for the reference purposes and as an aid to provide books to financially weaker section of students.
  - In addition to the regular subject classes, the college also organizes special lectures by inviting experts from various fields to share their knowledge with the students which includes general topics of social awareness, health, environment, female security, value education, biography of spiritual leaders/ freedom fighters, spiritual thoughts, social work, philanthropy etc.
  - For effective curriculum delivery, regular classroom lectures are conducted. The college organizes remedial classes for slow learners/marginalized students of SC, ST and OBC category. Special classes are conducted for the students, who could not attend the classes on account of their participation in NCC camp, NSS camp, sports, extracurricular or social welfare activities.

### **1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?**

- The institution has a sound network with nearby industries, schools, research organizations, and University Teaching Departments (U.T.D.) by signing MOUs with them for effective operationalization of curriculum.
- Students of final year of U.G. and P.G. courses go for Job Oriented Projects to enhance their skills and in turn benefit the schools and business organizations by contributing to the teaching work in various schools and in business organizations as trainee. Students of Biosciences Department engage themselves in research oriented projects and prepare the pollen and fungal calendar of Bhopal city to help the doctors detect pollen allergies.
- Students of Commerce faculty interact and network with some organizations and industries by helping the auditing process as trainee auditor and as interns under chartered accountants.



- Students of Computer Application faculty during their internship build and design software and websites on dummy data, work on hardware & networking in various IT forums.
- The students of B.Ed. classes as part of their curriculum go to different Government/Private Schools for practice teaching and in this process, they are benefitted and in turn the education institutions are benefitted as well.

**1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.**

Nine faculty members from various departments of the college represent the academic bodies of the Barkatullah University, Bhopal and they have regularly participated in the process of curriculum design and revision. They are:

1. Dr. Asha Agarwal:
  - Member, Board of Studies(Zoology), BU from 2006 to 2009.
  - Member, Board of Studies(Biotechnology), BU from 2010 to 2014.
2. Dr. Shubha Kapdeo:
  - Member, Board of Studies(Home Sc.), BU from 2009 to 2014.
3. Dr. Jyotsana Galgale:
  - Member, Board of Studies (Physics), BU from 2009 to 2014.
4. Dr. Saroj Gupta:
  - Member Board of Studies (Education), BU from 2000 to 2014.
5. Dr. Shampa Malhotra:
  - Member of Central Board of Studies( English), Department of Higher Education, M.P. Govt from 2000- 2012.
  - Member, Board of Studies(English), BU from 2000 to 2014.
6. Dr. Renu Mishra :
  - Member, Board of Studies( Botany), BU from 2009 to 2014.
  - Member, Board of Studies(Microbiology) from February 2009 – till date
7. Smt. Abhilasha Kumar :
  - Member, Board of Studies( Computer Sc. & Appl.), BU from December 2008 to 2012.
  - Member, Board of Studies(Computer Sc. & Appl.), BU from April 2014 for 3 yrs.
8. Dr. Neena Chatterjee :
  - Member of Central Board of Studies ( Economics) from 2000-01 to 2010-11.
  - Member, Board of Studies (Economics), BU from April 2009-10 to 2013-14.
9. Dr. Renu Shrivastava :
  - Member, Board of Studies(Zoology), BU from April 2014 for 3 years

While recommending or forwarding the suggestions to the Board of Studies our teachers normally take into consideration the feedback of students, stake-holders and other faculty members of the departments. For example, simple one paper system was started as per the suggestion of students and teachers to reduce the number of examination days of a semester.

**1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.**

No, the college does not enjoy the freedom to frame its own curriculum for any of the academic programs.

**1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?**

- The college tries to supplement the syllabus by arranging special classes for students or by inviting experts from academia and industry keeping in mind the objectives of the curriculum.
- Students are encouraged to attend seminars and workshops related to their curriculum.
- The progress of the students is judged through the Comprehensive Continuous Evaluation (CCE) using traditional assignment, class test methods and other interactive methods.
- The results of the students in the final semester exams of the University is a real indicator of the success of various methods used by the institution for effective delivery of syllabus. Continuous good result of the institution over the years ensures the success of our efforts.

## **1.2 ACADEMIC FLEXIBILITY**

The institution offers academic flexibility by offering optional subjects at graduation and post-graduation level as per the provision of affiliating university, so that the students make their choice as per their aptitude and interest.

**1.2.1 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.**

Keeping in mind the growing needs of skilled manpower at national level and for enhancing the employability of the students, college offers following skill development courses at Graduate/Post Graduate Degree Level.

- The institution offers one post-graduate diploma course in computer application viz. PGDCA. The goal and objective of this course is enhancing the employability of students.
- Various skill development programs and vocational training programs like Data entry and Marketing Management were organized under the aegis of National Skill Development Corporation (NSDC) to enhance the skills and employability of students.
- Personality development programs were organized by the English, Chemistry, Education and Computer Science departments as per the need of the students.

**1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If 'yes', give details.**

No

**1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:**

- **Range of Core / Elective options offered by the University and those opted by the college:**
- **Choice Based Credit System and range of subject options:**
- **Courses offered in modular form :**
- **Credit transfer and accumulation facility :**
- **Lateral and vertical mobility within and across programmes and courses:**
- **Enrichment courses :**

The students enjoy the choice of six different U.G courses at the entry level and ten different courses at P.G level to opt for. There is no vertical mobility with in and across programmes and courses. At the same time, the affiliating University does not allow for choice based credit system but we do have subject options in U.G and P.G programs.

**Range of Core / Elective options offered by the University and those opted by the college:**

**U.G.**

<b>Course</b>	<b>Subjects offered by the university</b>	<b>Opted by the college</b>
B.Sc. (Maths)	Foundation Course Statistics/Geology/Defense & Strategic Studies/Electronics/Electronics Equipment and maintenance Mathematics/Geography/Biotechnology Chemistry/Biochemistry/Botany/Zoology Computer Science/Computer Application/Information Technology/Industrial Chemistry Physics/Economics/Industrial Chemistry	Foundation Course Mathematics, Chemistry, Physics Mathematics, Computer Science, Physics
B.Sc. (Biology)	Foundation Course Aquaculture & Environment /Botany/Chemistry/Computer Application Zoology/Aquaculture & Environment Biotechnology/Clinical nutrition & Dietetics/Defense & Strategic studies(Military Science) Microbiology/Geology/Geography/Industrial Microbiology/Seed Technology/Industrial Chemistry Chemistry/Biochemistry/Botany/Zoology	Foundation Course Botany, Zoology, Chemistry Zoology, Botany, Microbiology Chemistry, Botany, Microbiology Zoology, Botany, Biotechnology Biotechnology, Zoology, Chemistry

B.Sc. (Home Sc.)	Foundation Course Basic Nutrition Introduction to Human Development Introduction to Extension and communication Clinical and Dietetics/ Introduction to Extension and communication	Foundation Course Basic Nutrition Introduction to Human Development Introduction to Extension and communication Clinical and Dietetics/ Introduction to Extension and communication
B.C.A.	Foundation Course and All compulsory subjects	All compulsory subject as per the recommendation of the university
B.A.	Foundation Course 1. Political Science / Philosophy/ Public Administration 2. Sociology/ Music-Vocal/ Music Instrumental/Psychology/ Dance- Kathak/Dance Barat Nadyam/ Social Work/ Math/ Drawing and Painting 3. History/ Economics/ A.I.H. and Culture/ Geography 4. Hindi Lit./ Functional Eng. / Arabic/ Persian 5. Home Science/ Computer Application/ Statistics/ Defense & Strategist Studies (Military Science)/ Rural Banking / Agriculture Marketing/ English Lit. 6. Sanskrit lit. / Marathi Lit./ Urdu Lit.	Foundation Course Economics - English - Psychology Economics - Hindi - Home Science Economics - Home Science - Political Science Economics - Music Vocal - Political Science Economics - Political Science - Psychology Economics - Political Science - Sociology History - Political Science - Psychology History - Political Science - Sociology Hindi - Home Science - Sociology Hindi - History - Home Science Hindi -Political Science - Sociology Music Vocal - History - Political Science History - Hindi -Music Vocal History - Music Vocal - Sanskrit English - Political Science - Sociology English - Political Science - Sanskrit Home Science - Sanskrit – Sociology Economics - Music Vocal – Sanskrit

B.Com.	<p>Foundation Course All compulsory subjects Options Available: Comp. App./ Tax Procedure and Practice/ Foreign Trade Practice &amp; Procedure/ Principal &amp; Practice of Management Insurance/ Office Management &amp; Sec/ Practice/ Tourism and Travel Management/ Adverting Sales Promotion &amp; Sales Management (any one subjects in place of Economics group in B.Com I &amp; II) B.Com. III Opt. specialization Group (C) or vocational Group (D) any one.</p>	<p>Foundation Course Foundation Course All compulsory subjects Options Available: Comp. App./ Economics B.Com. III Opt. specialization Group (C) or vocational Group (D) any one.</p>
B.Ed.	<p><b>B.Ed. theory papers :</b></p> <ul style="list-style-type: none"> <li>▪ Teacher in Emerging Indian Society.</li> <li>▪ Development of Learner and teaching-learning process.</li> <li>▪ Development of Educational system in India.</li> <li>▪ Essentials of Educational Technology &amp; Management.</li> <li>▪ Methods of Teaching (students are required to offer two subjects one each from the two groups of either category 'A' or 'B')</li> <li>▪ Category A:</li> <li>▪ Methods of Teaching Language-</li> <li>▪ Hindi/English/Urdu/Sanskrit</li> </ul>	<p><b>B.Ed. theory papers :</b></p> <ul style="list-style-type: none"> <li>▪ Teacher in Emerging Indian Society.</li> <li>▪ Development of Learner and teaching-learning process.</li> <li>▪ Development of Educational system in India.</li> <li>▪ Essentials of Educational Technology &amp; Management.</li> <li>▪ Methods of Teaching (students are required to offer two subjects one each from the two groups of either category 'A' or 'B')</li> <li>▪ Category A:</li> <li>▪ Methods of Teaching Language-</li> <li>▪ Hindi/English/Urdu/Sanskrit</li> </ul>

**P.G.**

Course	Subjects offered by the university	Opted by the college
M.A. (English)	<p><b>Semester I and II</b></p> <ul style="list-style-type: none"> <li>▪ Poetry</li> <li>▪ Fiction</li> <li>▪ Drama</li> <li>▪ Prose</li> </ul> <p><b>Semester III</b></p> <ul style="list-style-type: none"> <li>▪ Critical Theory</li> <li>▪ English Language</li> </ul> <p><b>Optional papers</b></p> <ul style="list-style-type: none"> <li>▪ (A) Indian Writing in English / (B) Commonwealth Literature in English</li> <li>▪ (A) Special Studies/ (B) American Literature/ (C) Linguistics &amp; Stylistics</li> </ul>	<p><b>Semester I and II</b></p> <ul style="list-style-type: none"> <li>▪ All compulsory subjects</li> </ul> <p><b>Semester III and IV</b></p> <ul style="list-style-type: none"> <li>▪ All compulsory and optional papers as prescribed by the affiliating University</li> </ul>

	<p><b>Semester IV</b></p> <ul style="list-style-type: none"> <li>▪ Critical Theory</li> <li>▪ English Language</li> <li>▪ Internship (in 4th Semester)</li> </ul> <p><b>Optional papers</b></p> <ul style="list-style-type: none"> <li>▪ (A) Indian Writing in English /(B) Commonwealth Literature in English</li> <li>▪ (A) Special Studies/(B) American Literature/(C) Linguistics&amp; Stylistics</li> </ul>	
M.A. (Hindi)	<p><b>Semester I &amp; II</b></p> <ul style="list-style-type: none"> <li>▪ Prachin avam Madhyakalin Kavya aur Itihas</li> <li>▪ Adhunik hindi gadya aur uska Itihas</li> <li>▪ Bhartiya avam pashchatya kavya shastra</li> <li>▪ Prayojan Mulak Hindi</li> </ul> <p><b>Semester III &amp; IV</b></p> <ul style="list-style-type: none"> <li>▪ Adhunik Hindi Kavya aur uska Itihas</li> <li>▪ Bhasha Vigyan aur Hindi</li> <li>▪ Hindi Sahitya ka Itihas</li> <li>▪ Vaikalpik Prashna Patra – Surdas</li> <li>▪ Internship (in 4th Semester)</li> </ul>	<p><b>Semester I to IV</b></p> <ul style="list-style-type: none"> <li>▪ All compulsory and optional papers as prescribed by the affiliating University</li> </ul>
M.A. (History)	<p><b>Semester I &amp; II</b> Specialization Course Group Compulsory Group (A) Ancient India Or Group (B) Medieval India Or Group (C) Modern India <b>Optional Paper:</b> University Offers 15 Papers in Optional Subjects divided in to Group I To IV in each group we have to select only one paper.</p> <p><b>Semester III &amp; IV</b> Specialization Course Group Compulsory Group (A) Ancient India Or Group (B) Medieval India Or Group (C) Modern India <b>Optional Paper :</b>University Offers 15 Papers in Optional Subjects</p>	<p><b>Semester I &amp; II</b> Specialization Course Group Compulsory Group (C) Modern India</p> <ul style="list-style-type: none"> <li>▪ Historiography Concept, Methods and Tools</li> <li>▪ Twentieth Century World</li> <li>▪ Modern Indian History- History of India- 1757 to 1857 AD.</li> </ul> <p><b>Optional Paper:</b>World History (18th &amp; 19th Century)</p> <p><b>Semester III &amp; IV</b></p> <ul style="list-style-type: none"> <li>▪ Modern Indian History- History of India- 1858 to 1975 AD.</li> <li>▪ Internship (in 4th Semester).</li> </ul> <p><b>Optional Paper</b></p> <ul style="list-style-type: none"> <li>▪ Women in Indian History.</li> <li>▪ Freedom Movement in Madhya Pradesh</li> </ul>

	divided in to Group I To IV in each group we have to select only one paper.	<ul style="list-style-type: none"> <li>▪ History of Marathas(1627-1818 AD)</li> </ul>
M.A. ( Political Science)	<p><b>Semester I</b></p> <ul style="list-style-type: none"> <li>▪ Modern Indian Political Thought</li> <li>▪ Comparative Politics</li> <li>▪ International Politics and Contemporary Political Issues.</li> <li>▪ Major Ideas and Issues in Public Administration .</li> </ul> <p><b>Semester II</b></p> <ul style="list-style-type: none"> <li>▪ Western Political Thought</li> <li>▪ Politics of South Asian Countries</li> <li>▪ International Organization</li> <li>▪ Research Methodology</li> </ul> <p><b>Semester III</b></p> <ul style="list-style-type: none"> <li>▪ Government and Politics in India</li> <li>▪ State Politics in India</li> <li>▪ International Law</li> <li>▪ Major Powers and Indian Foreign Policy</li> </ul> <p><b>Semester IV</b></p> <ul style="list-style-type: none"> <li>▪ Politics of Madhya Pradesh and Administration</li> <li>▪ Federalism in India and Local Self Government.</li> <li>▪ Advance Political theory.</li> <li>▪ Diplomacy and Human Rights</li> <li>▪ Internship</li> </ul>	<p><b>Semester I and II</b></p> <ul style="list-style-type: none"> <li>▪ All compulsory subjects</li> </ul> <p><b>Semester III and IV</b></p> <ul style="list-style-type: none"> <li>▪ All compulsory and optional papers as prescribed by the affiliating University</li> </ul>
M. Sc (Computer Science)	<p><b>Semester I</b></p> <ul style="list-style-type: none"> <li>▪ Discrete Mathematics</li> <li>▪ Programming in C</li> <li>▪ Computer Architecture &amp; Organization</li> <li>▪ Windows &amp; PC Software</li> </ul> <p><b>Semester II</b></p> <ul style="list-style-type: none"> <li>▪ Data Structure &amp; Algorithms</li> <li>▪ Operating System</li> <li>▪ Computer Networks</li> <li>▪ JAVA &amp; html</li> </ul> <p><b>Semester III</b></p> <ul style="list-style-type: none"> <li>▪ RDBMS Concepts &amp; Oracle</li> <li>▪ Multimedia Tools &amp; Applications</li> <li>▪ Software Engineering</li> <li>▪ Programming in JAVA</li> </ul>	<p><b>Semester I to Iv</b></p> <p>All compulsory and optional papers as prescribed by the affiliating University</p>

	<p><b>Semester IV</b></p> <ul style="list-style-type: none"> <li>▪ Unix, Shell Programming &amp; Linux</li> <li>▪ Compiler Design</li> <li>▪ ASP.NET</li> <li>▪ Internship.</li> </ul> <p><b>Optional Paper :</b></p> <ul style="list-style-type: none"> <li>▪ Artificial Intelligence &amp; Expert System</li> <li>▪ Data Warehousing &amp; Mining</li> <li>▪ Bio Informatics</li> <li>▪ Visual Basic &amp; Oracle</li> </ul> <p><b>Semester I to IV</b></p> <ul style="list-style-type: none"> <li>▪ Practical I &amp; II</li> </ul>	
M.Sc (Maths)	<p><b>Semester I</b></p> <ul style="list-style-type: none"> <li>▪ Advanced Abstract Algebra-I</li> <li>▪ Real Analysis</li> <li>▪ Topology-I</li> <li>▪ Complex Analysis-I</li> </ul> <p><b>Optional Paper :</b></p> <ul style="list-style-type: none"> <li>▪ Differentia and integral Equations-I</li> <li>▪ Advanced Discrete Mathematics –I</li> <li>▪ Fundamental of Computer</li> <li>▪ Advanced Numerical Analysis-I</li> </ul> <p><b>Semester II</b></p> <ul style="list-style-type: none"> <li>▪ Advanced Abstract Algebra-II</li> <li>▪ Lebesque Measure and Integration</li> <li>▪ Topology-II</li> <li>▪ Complex Analysis-II</li> </ul> <p><b>Optional Paper :</b></p> <ul style="list-style-type: none"> <li>▪ Differential Equations-II</li> <li>▪ Advanced Discrete Maths-II</li> <li>▪ Programming in C</li> <li>▪ Advanced Numerical Analysis-II</li> </ul> <p><b>Semester III Compulsory Papers :</b></p> <ul style="list-style-type: none"> <li>▪ Functional Analysis- I</li> </ul> <p><b>Optional Papers :</b></p> <ul style="list-style-type: none"> <li>▪ Advanced Special Functions- I</li> <li>▪ Partial Differential Equation-I</li> <li>▪ Algebra Topology-I</li> <li>▪ Advanced Graph Theory-I</li> <li>▪ Mechanics-I</li> <li>▪ Fuzzy Sets and their Application- I</li> <li>▪ Wavelets-I</li> </ul>	<p><b>Semester I</b></p> <ul style="list-style-type: none"> <li>▪ Advanced Abstract Algebra-I</li> <li>▪ Real Analysis</li> <li>▪ Topology-I</li> <li>▪ Complex Analysis-I</li> </ul> <p><b>Optional Paper :</b></p> <ul style="list-style-type: none"> <li>▪ Differential and Integral Equations-I</li> </ul> <p><b>Semester II Compulsory Papers :</b></p> <ul style="list-style-type: none"> <li>▪ Advanced Abstract Algebra-II</li> <li>▪ Lebesque Measure and Integration</li> <li>▪ Topology-II</li> <li>▪ Complex Analysis-II</li> </ul> <p><b>Optional Paper :</b></p> <ul style="list-style-type: none"> <li>▪ Differential and Integral Equations-II</li> </ul> <p><b>Semester III Compulsory Papers :</b></p> <ul style="list-style-type: none"> <li>▪ Functional Analysis- I</li> </ul> <p><b>Optional Papers :</b></p> <ul style="list-style-type: none"> <li>▪ Advanced Special Functions- I</li> <li>▪ Theory of Linear Operators-I</li> <li>▪ Operations Research-I</li> <li>▪ Integral Transform-I</li> </ul> <p><b>Semester IV Compulsory Papers :</b></p> <ul style="list-style-type: none"> <li>▪ Functional Analysis- II</li> <li>▪ Internship</li> </ul> <p><b>Optional Papers :</b></p> <ul style="list-style-type: none"> <li>▪ Advanced Special Functions- II</li> <li>▪ Theory of Linear Operators -II</li> <li>▪ Operations Research-II</li> <li>▪ Integral Transform-II</li> </ul>



	<ul style="list-style-type: none"> <li>▪ Advanced Programming in C</li> <li>▪ Integration Theory-I</li> <li>▪ Spherical Trigonometry and Astronomy-I</li> <li>▪ Operations Research-I</li> <li>▪ Integral Transform-I</li> <li>▪ Theory of Linear Operators-I</li> </ul> <p><b>Semester IV Compulsory Papers :</b></p> <ul style="list-style-type: none"> <li>▪ Functional Analysis- II</li> <li>▪ Internship</li> </ul> <p><b>Optional Papers :</b></p> <ul style="list-style-type: none"> <li>▪ Advanced Special Functions- II</li> <li>▪ Partial Differential Equation-II</li> <li>▪ Algebra Topology-II</li> <li>▪ Advanced Graph Theory-II</li> <li>▪ Mechanics-II</li> <li>▪ Fuzzy Sets and their Application-II</li> <li>▪ Wavelets-II</li> <li>▪ Advanced Programming in C++</li> <li>▪ Integration Theory-II</li> <li>▪ Spherical Trigonometry and Astronomy-II</li> <li>▪ Operations Research-II</li> <li>▪ Integral Transform-II</li> <li>▪ Theory of Linear Operators-II</li> </ul>	
M.Sc. (Chemistry)	<p><b>Semester I</b></p> <ul style="list-style-type: none"> <li>▪ Inorganic Chemistry I</li> <li>▪ Organic Chemistry I</li> <li>▪ Physical Chemistry I</li> <li>▪ Group Theory and Spectroscopy I</li> <li>▪ Mathematics for Chemists / Biology for Chemists</li> <li>▪ Practical I,II,III</li> </ul> <p><b>Semester II</b></p> <ul style="list-style-type: none"> <li>▪ Inorganic Chemistry II</li> <li>▪ Organic Chemistry II</li> <li>▪ Physical Chemistry II</li> <li>▪ Spectroscopy II and Diffraction Methods</li> <li>▪ Computer for Chemists</li> <li>▪ Practical I,II,III</li> </ul> <p><b>Semester III</b></p> <ul style="list-style-type: none"> <li>▪ Application of Spectroscopy I</li> <li>▪ Photochemistry</li> </ul>	<p><b>Semester I</b></p> <ul style="list-style-type: none"> <li>▪ Inorganic Chemistry I</li> <li>▪ Organic Chemistry I</li> <li>▪ Physical Chemistry I</li> <li>▪ Group Theory &amp; Spectroscopy I</li> <li>▪ Mathematics for Chemists / Biology for Chemists</li> <li>▪ Practical I,II,III</li> </ul> <p><b>Semester II</b></p> <ul style="list-style-type: none"> <li>▪ Inorganic Chemistry II</li> <li>▪ Organic Chemistry II</li> <li>▪ Physical Chemistry II</li> <li>▪ Spectroscopy II and Diffraction Methods</li> <li>▪ Computer for Chemists</li> <li>▪ Practical I,II,III</li> </ul> <p><b>Semester III</b></p> <ul style="list-style-type: none"> <li>▪ Application of Spectroscopy I</li> <li>▪ Photochemistry</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Environmental Chemistry</li> <li>▪ Practical I,II,III</li> </ul> <p><b>Optional Paper</b></p> <ul style="list-style-type: none"> <li>▪ Polymers</li> <li>▪ Heavy Chemicals &amp; Petroleum (Industrial Chemistry)</li> <li>▪ Organotransition metal.</li> <li>▪ Heterocyclic Chemistry</li> <li>▪ Chemistry of materials</li> <li>▪ Physical Organic Chemistry</li> <li>▪ Green Chemistry.</li> </ul> <p><b>Semester IV</b></p> <ul style="list-style-type: none"> <li>▪ Application of spectroscopy II</li> <li>▪ Solid State Chemistry</li> <li>▪ Bio Chemistry</li> <li>▪ Practical I,II,III</li> <li>▪ Internship</li> </ul> <p><b>Optional Paper</b></p> <ul style="list-style-type: none"> <li>▪ Analytical Chemistry</li> <li>▪ Medicinal Chemistry</li> <li>▪ Organic Synthesis</li> <li>▪ Chemistry of Natural Products</li> <li>▪ Electro Chemistry</li> <li>▪ Pesticides and Glass Industries.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Environmental Chemistry</li> <li>▪ Practical I,II,III</li> </ul> <p><b>Optional Paper</b></p> <ul style="list-style-type: none"> <li>▪ Polymers</li> <li>▪ Heavy Chemicals &amp; Petroleum (Industrial Chemistry)</li> </ul> <p><b>Semester IV</b></p> <ul style="list-style-type: none"> <li>▪ Application of spectroscopy II</li> <li>▪ Solid State Chemistry</li> <li>▪ Bio Chemistry</li> <li>▪ Practical I,II,III</li> <li>▪ Internship</li> </ul> <p><b>Optional Paper</b></p> <ul style="list-style-type: none"> <li>▪ Analytical Chemistry</li> <li>▪ Medicinal Chemistry</li> </ul>
M.Sc. (Zoology)	<p><b>Semester I</b></p> <ul style="list-style-type: none"> <li>▪ Biosystematics, Taxonomy and Evolution</li> <li>▪ Structure and function in Invertebrate</li> <li>▪ Quantitative Biology, biodiversity and wildlife</li> <li>▪ Bimolecular and structural biology</li> <li>▪ Practical I</li> <li>▪ Practical II</li> </ul> <p><b>Semester II</b></p> <ul style="list-style-type: none"> <li>▪ General and comparative animal physiology and endocrinology</li> <li>▪ Population Ecology and environmental physiology</li> <li>▪ Tools and techniques for biology</li> </ul>	<p>Semester I To Semester III are same as prescribed by the affiliating University.</p> <p><b>Semester IV</b></p> <ul style="list-style-type: none"> <li>• Compulsory paper -02 <ol style="list-style-type: none"> <li>1. Animal Behaviour and Neurophysiology</li> <li>2. Gamete Biology, Development and Differentiation</li> </ol> </li> <li>• Optional Paper-02 <ol style="list-style-type: none"> <li>1. Group I(Ichthyology)-Fish structure and function.</li> <li>2. Group II(Ichthyology)-Pisci Culture and Economic importance of fishes.</li> </ol> <p style="text-align: center;"><b>Or</b></p> <ol style="list-style-type: none"> <li>1. Wild Life Conservation</li> <li>2. Environment and biodiversity</li> </ol> </li> </ul>

	<ul style="list-style-type: none"> <li>▪ Molecular cell biology and genetics</li> <li>▪ Practical I</li> <li>▪ Practical II</li> </ul> <p><b>Semester III</b></p> <ul style="list-style-type: none"> <li>▪ Comparative Anatomy of Vertebrates</li> <li>▪ Limnology</li> <li>▪ Ecotoxicology</li> <li>▪ Aquaculture</li> <li>▪ Practical I</li> <li>▪ Practical II</li> </ul> <p><b>Semester IV</b></p> <ul style="list-style-type: none"> <li>▪ Ichthyology</li> <li>▪ Limnology</li> <li>▪ Wildlife Biology and Conservation</li> <li>▪ Practical I</li> <li>▪ Practical II</li> <li>▪ Internship</li> </ul>	<p>conservation.</p> <ul style="list-style-type: none"> <li>▪ Practical I</li> <li>▪ Practical II</li> <li>▪ Internship.</li> </ul>
M.Com. Taxation+ Management	<p><b>Semester I</b></p> <ul style="list-style-type: none"> <li>▪ Business Environment</li> <li>▪ Advanced Financial Accounting</li> <li>▪ Cost Analysis and Control.</li> <li>▪ Management Concept.</li> </ul> <p><b>Semester II</b></p> <ul style="list-style-type: none"> <li>▪ Functional Management.</li> <li>▪ Corporate Legal Framework</li> <li>▪ Advanced Statics</li> <li>▪ Organizational behavior.</li> </ul> <p><b>Semester III</b></p> <ul style="list-style-type: none"> <li>▪ Managerial Economics</li> <li>▪ Tax Planning and Management</li> <li>▪ Accounting for Managerial Decisions.</li> <li>▪ Entrepreneurship Development</li> </ul> <p><b>Semester IV</b></p> <ul style="list-style-type: none"> <li>▪ Group I (Finance)</li> <li>▪ Group II (Accounting)</li> <li>▪ Group III (Taxation)</li> <li>▪ Group IV (Marketing)</li> </ul>	<p>Semester I To Semester III are same as prescribed by the affiliating University.</p> <p><b>Semester IV</b></p> <ul style="list-style-type: none"> <li>▪ Group III (Taxation)</li> <li>▪ Group IV (Marketing)</li> </ul> <p><b>Group III</b></p> <ul style="list-style-type: none"> <li>▪ Direct Taxes of India.</li> <li>▪ Business Taxation.</li> <li>▪ Indirect Tax</li> <li>▪ Sales Tax</li> </ul> <p><b>Group IV (Marketing)</b></p> <ul style="list-style-type: none"> <li>▪ Advertising and Sales Management</li> <li>▪ Consumer Behavior</li> <li>▪ Rural Marketing</li> <li>▪ International Marketing</li> </ul>

**Various institutional provisions w.r.t. academic flexibility:**

The institution offers wide range of U.G. courses under six faculties with options to choose from. Similarly, the institution offers ten different degree courses and one

diploma course at P.G level.

**1.2.4 Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.**

Yes, the institution offers following self-financed courses : B.Ed, B. Com., BCA, B. Sc. ( CS, Biotech, Micro), B.Sc(H.Sc.), MA (History, Hindi, English, Political Sc.), M Sc.(Chemistry, Maths, Zoology, Biotech, Computer Science) and M.Com. In BA-80% courses of Arts faculty are self-financed, similarly 20% courses of science faculty are self-financed.

Self-financed courses do not differ from other programmes with reference to admission, curriculum, teacher qualification and salary. The annual fee of self-financed courses is more than the Grant-in-aid courses.

**Fee structure for I Year :**

S. No.	Self-Financed Courses	Annual Fee (Rs.)	S. No.	Grant-in-Aid Courses	Annual Fee (Rs.)
1	B.Com. With Computers	22000	1	B.A. With Practicals	6500
2	B.Com. Without Computers	16120	2	B.A. Without Practicals	6340
3	B.Sc.(Maths) with Computers	22100	3	B.Sc.(Maths) with Chemistry	22100
4	B. Sc.(Biotechnology)	29700	4	B. Sc. (Biology)	16500
5	B.Sc. (Microbiology)	26400	5	M. A.	8140
6	B.C. A.	28160			
7	M.Sc. Chemistry	18700			
8	M.Sc. Maths	15000			
9	M.Sc. Computers	29150			
10	M.Com.	15700			
11	M.Sc Biotechnology	44550			
12	PGDCA	22000			
13	B.Sc. Homescience	14740			
15	M.Sc. Zoology	18700			
16	B.Ed.	25000			

**1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programmes and the beneficiaries.**

Yes, the college organizes various skill oriented programmes every year. Some of them are:

S.No	Date	Topic	Stream	No. of Students
1	17/10/14 - 18/10/14	Workshop on "Instrumentation at Under Graduate level"	Chemistry	25
2	Every Thursday	Capacity Building Programme under Study Circle	All	35
4	20/9/14 - 22/9/14	Workshop on Art & Craft by Pidilite Industries, Bhopal	Education	128
5	29/8/14	Workshop on "Identification of Plants"	Botany	40
6	25/8/14	Workshop on "Vermicomposting"	Botany	50
7	Apr-14	Training on "Vegetative Propagation" – (Cutting, Budding, Layering and Grafting) in Dhanwantri Park, Habibganj	Botany	20
8	30/4/14	PCR today and tomorrow	Zoology and Biotechnology	45
9	27/4/14	Cytogenetics and animal cell culture	Zoology and Biotechnology	50
10	Mar-14	NSDC Workshop - Domestic Data Entry	Maths	20
11	25/2/14 - 24/3/14	Training program in IT	Chemistry	25
12	11/2/2014	Retail Trading	Commerce	110
13	11/2/14 - 11/3/14	NSDC Workshop - Marketing Management, Image Building, Sales Management, Leadership Quality, etc.	Commerce	50
14	28/9/13	Spoken Tutorial Workshop - Linux & Ubuntu	Computer Sc.	40
15	21/9/13 & 30/9/13	Spoken Tutorial Workshop – Latex	Commerce	30
16	27/9/13	Spoken Tutorial Workshop - C & C++ Intermediate Level	Computer Sc.	35
17	10/9/13 - 14/9/13	Spoken Tutorial Workshop – Java	Computer Sc.	36
18	12/12/12 - 12/1/13	Women Entrepreneurship Development Program	Chemistry	25
19	Feb-13	Personality Development Workshop by Sai Seva Samiti in Shanti Van, Bhopal	Computer Sc.	35

### 1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to

**choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?**

No, there is no such flexibility provided by the university. The university allows the distance mode of education for certain under graduate and post-graduate courses and these programs are run by the open & distance education center of the university. The affiliating colleges are not eligible to run any such programs.

### **1.3 CURRICULUM ENRICHMENT**

**1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?**

The following efforts are made to supplement the University Curriculum:

**For Value Oriented Education of the students**

- Daily Sarvdharam Prayer
- Maun(Silence)
- Thought for the Day
- Mission Statement of the College is read by a student every day after the common assembly.

**To instill the national pride among students**

- National Anthem, National Song, Madhya Pradesh gaan are sung by rotation every day after the common assembly.
- National flag is hoisted every day.
- National festivals are celebrated.

**To inculcate discipline among students**

- Compulsory uniform for all students.
  - Discipline in the campus and classes
- 
- College has a calm and peaceful ambience which is conducive to the teaching learning process.
  - Clean and ecofriendly environment in the campus to make the students aware of civic sense and social responsibilities.
  - Service with smile and love is the motto of all our employees.
  - Two units of National Service Scheme (N.S.S.) are active in the college. Through the activities of NSS, the students realize their responsibility towards society and participate in social reconstruction.
  - College has army wing of National Cadet Corps(N.C.C.). Through the activities of NCC, the students learn the importance of team work and inculcate the spirit of brotherhood and sacrifice.
  - Every Thursday soulful bhajans are rendered by the teachers and students, which embodies the value-education motto of our college and helps to develop the faith in God.
  - Special lectures based on Indian scriptures & culture, general awareness, personality development, health, environment issues etc. are regularly organized by inviting guests from different segments of the society to make our students aware about our culture and at the same time about their social responsibilities
- 
- National seminar on ‘Value Oriented Education: Status & Direction’ was organized by the college on 24<sup>th</sup> & 25<sup>th</sup> October 2013. Around 125 eminent

research scholars, academicians from all over the country and abroad presented their research papers.

- A 3-day residential spiritual camp is organized for the students and staff of the college every year whereby the students learn about Indian mythology, scriptures, religions, yoga, holistic personality development and Indian culture and traditions. All the students pursuing postgraduate courses and B.Ed. attended the seminar.
- Martial Arts training is organized for the students of the college to enhance their self-defense capability and boost the confidence of the girls.
- Group Surya Namaskar activity is organized every year in honour of the birth celebration of Swami Vivekanand ji, as part of the effort of MP Govt's initiative to motivate youth of the state to practice the ideals of Swami Vivekananda.

### **1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?**

- Job Oriented Project(JOP) is a compulsory part of both U.G. and P.G. final year curriculum. Under this project, students are motivated to take up job oriented training in various industries and reputed government & private organizations.
- Personality Development training is organized for the students in coordination with experts from the Industry so as to enhance their skills as regards soft skills and GD/PI.
- In-house projects on “Phyto Chemical analysis” and “Anti-Microbial activity of Different Medicinal Plant”/ “Tissue Culture”/ “Water Analysis”/ “Pathology Training” are accomplished by students of V Semester students of B.Sc.(Biology) which help them to cater to the needs of the dynamic employment market.
- Final Year students of B.C.A and M.Sc(Comp.Sc.) prepare minor project on programming languages like VB, ASP.Net, java etc. and databases like Oracle, Mysql, SQL Server etc. as a part of their Continuous Comprehensive Evaluation(C.C.E) scheme

### **1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?**

- Government of Madhya Pradesh has implemented Foundation Course in all graduate classes; environmental education is a part of curriculum in the III & IV Sem. The students are made aware of the climate change, green house effect and conservation of environment.
- “Best out of waste” Competition is organized in the institution by the Environment Cell to make the students aware of importance of Solid Waste Management.
- The Environment Cell promotes participation of the students in the activities organized at Van Vihar National Park related to environment and conservation of forests organized by World Wildlife Fund (W.W.F.)
- E-Waste collection week is observed in the institution to promote better management of e-waste in the society.
  
- Environment cell encourages the students to participate in the following healthy practices:

- Tree plantation
- Rain water harvesting
- Proper disposal of e-waste
- Poster competition, Essay writing, Debate competition on burning issues related to environment.
- Use of LED Bulbs
- Ban on polybags
- Car pooling
- Use of public transport
- All students study Information & Communications Technology (ICT) in V & VI Semester under Foundation Course.
- Introductory Lectures(zero classes) are organized for all the first semester students regarding:
  - Human rights
  - Information Technology
  - Entrepreneurship
  - Problems faced by the working women and their solutions
  - Psychology for optimistic life style
  - Importance of Mathematics, Chemistry and Biology in daily life
  - Nutrition & Food safety
  - Tax planning
  - Current economic issues
  - English language and communication skills
  - Use of Statistics in everyday problems
  - Implications and applications of Nano Technology
  - Indian culture & values
  - Physics for everyone
- Our college is all women's college. All efforts are made to develop self confidence and to boost the morale of students to fight against any injustice towards girls/women in the society. The gender related issues are raised and discussed freely with the students. The department of Sociology, Economics and Psychology as a joint venture, organized Poster making competition and lecture series on the topic "Gender Sensitization".

#### **1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?**

- **Moral and Ethical Values**
- **Employable and Life Skills**
- **Better Career Options**
- **Community Orientation**

#### **Moral and ethical values :**

- Our institution works in association with Sri Sathya Sai Seva Trust, Puttaparthi and students & staff participate in the activities of the local body of the trust(i.e. Sri Sathya Sai Seva Organization, Bhopal) . Lectures are organized periodically to educate the students on moral and ethical values in life.



- 3-day residential camp is held every year in which more than 200 students take part. The camp organizes lectures and presentations on Indian Culture and Heritage, Indian Scriptures and religions, Educare, Human Values and activities like Quiz, Bhajans, Nagar Sankirtan (Morning Bhajans on street), Yoga etc.
- National Seminar on 'Value Oriented Education: Status & Direction' was organized in the institution.
- An exhibition titled 'Prem Jyoti' was arranged in the campus depicting the work and life of Sri Sathya Sai Baba .
- "Traditional day" is celebrated every year on International Women's Day to remind the students about the contribution of women in society and reviving the age old tradition of respecting the women

**Employable and life skills:**

- Lectures by invited experts are organized every Thursday keeping in mind the requirements of the students regarding life skills for living a happy and meaningful life.
- Training in parliamentary affairs and Office Automation, to enhance the employability skills of the students.
- One month Martial Art/ Self Defense Training is organized every year.

**Better career options:**

- Students are enlightened about the career options as well as options of higher education in the Thursday lectures as well as sessions organized by the Career Guidance and Employment Cell before the Placement Drive.

**Community Orientation :**

- Youth Parliaments are organized to train the youth in parliamentary affairs. Similarly, visit to Vidhan Sabha introduces them to our system of governance.
- NSS volunteers and students of Education faculty visit surrounding areas and villages to make the residents of these areas aware on various social, moral, ethical issues and healthy ways of life. NSS volunteers participate in community services/development activities like blood donation camps, tree plantation, eye donation awareness programme, career opportunities for women, street plays on different social issues.
- 7-day special NSS camp is held each year in the surrounding rural area of Bhopal for educating the village people and creating awareness regarding issues like health, environment, literacy, voting rights among them by the NSS volunteers
- NCC students attend different regional, state, national level camps and republic day parade to contribute their efforts for the betterment of the society. They develop the sense of discipline and national pride by these activities.

**1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?**

Although we have no autonomy for any change in the curriculum, feedback from stakeholders has always been helpful in enriching the implementation of the curriculum. It is strongly being felt that in fiercely competitive world improving the emotional quotient, mental and physical health is of prime importance. Therefore, besides academics, human values and spirituality should be an inseparable part of the

curriculum. Similarly experts of various field are invited regularly and their suggestions are incorporated.

As per the suggestion of Sri Sathya Sai Seva Samiti, 3 days annual residential camp based on Indian Culture and Spirituality is a regular feature of our institute. Skill development classes and placement drives are organized as per the suggestions of parents and academic peers.

### **1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?**

The institution monitors and evaluates the quality of its enrichment programme on the basis of feedback from stakeholders, students and alumni. Parents also share their observations. The enthusiasm of students while participating in these programs speaks volumes about the quality and need of such programmes.

## **1.4 FEEDBACK SYSTEM**

### **1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?**

- The institution is affiliated to the Barkatullah University, Bhopal and therefore we follow the curriculum prescribed by the University.
- Many teachers are the members of Board of Studies & Examination committees of the University who are associated with the curriculum designing and evaluation.
- The College can only forward the suggestions of its faculty, students and stakeholders through the members of Board of Studies. Though we do not design the curriculum, our teachers devise their own methods of implementation of the curriculum.

### **1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?**

Yes, regular feedback is taken from students and it is communicated to the University through the member of Board of Studies. Feedback is used internally in the following manner :

- The institution follows the Advisor-Advisee system where-in the advisor teacher holds interactive session with her advisees once every month to review the overall teaching learning process, curriculum, attendance, assessment, counseling etc.
- Suggestions from parents are also invited.
- Feedback from academic peer of different colleges and university regarding practicals and Job Oriented Projects(J.O.P.) is used for selection of JOP topics and institutions.
- Feedback from alumni helps in enriching the mechanism of curriculum transaction.

### **1.4.3 How many new programmes/courses were introduced by the institution**

**during the last four years? What was the rationale for introducing new courses/programmes?)**

Since the last visit of NAAC peer team, following courses were started by the institution keeping in mind the demand of such courses in employment global market and as a pathway to higher education/research activities.

- M.Sc. (Computer Sc.)
- M.Sc. (Zoology)
- M.Sc. (Biotechnology)
- B.Sc. (Biotechnology)
- B.Sc. (Microbiology)

**Any other relevant information regarding curricular aspects which the college would like to include:**

Besides, the teaching learning - as per university curriculum, emphasis is laid on the overall development of the girl students to imbibe human values and moral values, efforts are made to carry forward Indian culture and traditions and at the same time making them ready to face the challenges of Global Market.

# CRITERION II: TEACHING- LEARNING AND EVALUATION

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## **2.1 STUDENT ENROLMENT AND PROFILE**

### **2.1.1 How does the college ensure publicity and transparency in the admission process?**

College has a website which is updated with information regarding the various courses available in the college and their affiliation. The college prospectus carrying all the academic, administrative and financial aspects of the college is made available to the students and same is available on the website of the college as well. Madhya Pradesh Government has adopted the online admission process in Higher Education. Off-site registration, choice filling, allocation of seats in colleges and on-site admission, everything is as per the guidelines of Higher Education, Government of Madhya Pradesh and the whole process is 100% transparent. The list of selected candidate as per the merit list provided by the Government is displayed on notice-board of the college and it is available on the portal of the Higher Education too. In B.Ed. the admission process is carried out as per the directives Higher Education & University. Transparency is ensured from notification of date of admission till the completion of admission process. The whole process of admission is displayed on the notice board.

### **2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.**

Our college is a premier institution of Higher Education with a progressive outlook. Wide range of courses offered by the college attracts students of varied backgrounds and caliber. No entrance exams are conducted in the college for admission to these courses. The admission in the college is strictly as per the merit list of Department of Higher Education and on the basis of preference/choice of college and course opted by the candidate. Admission in B.Ed. is based on the merit in the entrance exam which is conducted by Professional Examination Board of Madhya Pradesh (VYAPAM). Registration and the admission process after the qualifying exam is online. B.Ed. is a professional course to which as per state government policy, 75% of the seats are reserved for M.P. domicile candidates while remaining 25% seats are all India seats. Seats for SC/ST/OBC are reserved as per the norms of M.P. Government.

### **2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.**

All the state university and affiliating colleges follow the online admission process of the M.P. Government and Higher Education. There is no cut off percentage for admission in U.G & P.G. Courses of Arts, Science and Commerce except for a cut-off of 45% for admission in B.C.A. and P.G.D.C.A.

**2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?**

Yes, the Admission Committee keeps a vigil over the whole admission process. It reviews the profile of the students at the time of admission, chalks out a comparative summary of the selected candidates. The student profile of the college is often a healthy mix of young women who are high achievers and the under-achievers, the privileged and under-privileged, covering different economic and social backgrounds. The record of the activities of the students is maintained by the allocated Advisor annually. The advisor advisee system followed in the institution help us to maintain the student profile. All students are encouraged to participate in extra-curricular activities including NSS & NCC, besides academics. The students who participate regularly in varied activities and bring laurels to the institution are given special incentives and rewards in the subsequent admissions. Any pitfalls/drawbacks/discrepancies in the admission process are brought to the notice of higher authorities for correction. This helps the Higher Education Department to fix the "bugs" of their software and process thereby contributing to the improvement of the process.

**2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion**  
SC/ST OBC

There are mandatory government rules regarding reservation for the admission process of SC, ST and OBC candidates. College takes due care to give admissions to the candidates of SC, ST and OBC category as per the reservation policy of Government of India. This helps to maintain a healthy student profile which reflects the diversity of the nation. The state has an open-door policy for candidates of other states at UG and PG level. In B.Ed. 25% seats are reserved for candidates of other states. Ours is a women's college, therefore we enjoy the concession given to women. Special provisions & priorities are given to differently abled students. For economically weaker sections, college provides them with scholarships wherein a part of tuition fees is waived off. An awareness and orientation program on the financial and academic facilities, as well as incentives to the marginalized students is effectively communicated to the students in the beginning of the session.

**2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e.reason for increase/decrease and actions initiated for improvement.**

For the session 2010-11 and 2011-12 the admissions were on the basis of first-come first-serve basis till the seats were available for the programme. From session 2012-13, the admission is as per the merit list sent by the Department of Higher Education, Govt. of M.P. The college gives admission to all eligible students keeping in mind the sanctioned seats of each programme. Details are as follows :

Programmes	Number of students admitted				
	2010-11	2011-12	2012-13	2013-14	Current Session
<b>UG</b>					
B.Com.	246	225	231	236	166
B.Sc.	110	114	116	120	109
B.Sc. (H.Sc.)	2	1	1	0	0
B.C.A.	50	41	35	34	26
B.A.	31	43	15	12	16
B.Ed.	91	96	97	Zero Year	100
<b>PG</b>					
M.A. Hindi	4	2	1	4	2
M.A. English	4	5	4	1	1
M.A. Political Science	5	9	5	3	11
M.A. History	Nil	5	2	0	1
M.Sc. Mathematics	2	2	13	25	20
M.Sc. Chemistry	24	8	13	4	12
M.Sc. Biotechnology	25	7	5	4	Nil
M.Sc. Zoology	5	1	4	0	3
M.Sc. Computer Science	5	5	13	9	1
M.Com.	17	19	23	27	10
<b>Ph.D.</b>					
Hindi	6	6	6	8	5+3
Life Sciences	1	1	1	1	8
<b>PG Diploma</b>					
PGDCA	3	2	0	3	0

College is witnessing a decline in student strength in most of the courses except for, B.Ed., M.Com., B.Sc. and M.Sc. Mathematics where a small increase in students is witnessed in last four years. The courses which are registering an increase in student strength are either professional courses(B.Ed.) or Courses with secured job prospects. The decline in traditional courses can be linked to a large number of engineering and other professional courses available in the city. Thus, the college has initiated to open new professional courses in the college like L.L.B. and integrated B.A.-L.L.B programmes.

## **2.2 CATERING TO DIVERSE NEEDS OF STUDENTS**

### **2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?**

The institution adheres to government policies regarding the needs of differently-abled students. Seats are reserved for them at the time of admission as per Govt. norms in various programmes. In college campus, special ramps are built for easy movement of such students. The college ensures that the classes of such students are held at ground floor only for the purpose of easy accessibility to them. During examinations, the students having vision and

functional disability can opt for a writer. They are encouraged at every level in the institution. Special Counseling sessions and lectures are also arranged for such category of students. Such students are given all possible facilities as per the university rules.

**2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.**

No, the students are given admission as per the eligibility criteria of Higher Education, Govt. of M.P. We have students from diverse backgrounds and different parts of the country. Once admitted, every student is under the guidance of an advisor teacher and the weak students are counseled in various sessions. Before commencement of the session, special orientation classes are held for fresh students to make them aware of the testing and examination system, CCE and various college activities etc. to enable them cope up with the syllabus of the course chosen and to help them with the difficult topics.

**2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge/Remedial/Add-on/Enrichment Courses) etc.**

To bridge the knowledge gap of enrolled students, the institution conducts remedial classes for SC, ST, OBC students in different subjects to enhance their skills and competence. Remedial examinations are also held to test their knowledge after completion of these classes. Slow learners are identified by the teachers. Enrichment programmes like personality development, communication skills, special lectures, audio-visual aids, seminars, counseling and intensive coaching help them to cope with the challenges of their respective programme.

**2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?**

The institution has a long tradition of imparting education with special emphasis on equality of all human beings. The institution sensitizes its staff and students on gender issues, environment, social responsibilities of inclusion of all sections of society by holding seminars on these topics. Since our's is a women's college, we do not have issues regarding gender disparity inside the college premises. Still, the institution endeavours to empower women through value based education, skill development, and training in martial arts. Education thus helps students to be self-confident and help them to develop high self-esteem. The college organizes seminars, debate and elocution programs at the college level where in experts from different fields are invited to share and deliver their experience and knowledge. NSS, NCC, and environmental cell organize sensitization programmes on Environment to make campus eco-friendly. They organize the tree plantation drives, awareness rallies, Nukaad Natak (Street Plays), campus cleaning drives and lectures on burning issues of environment for staff and students. These programs encourages:

- Polythene Free Campus
- Proper e-Waste management
- Solid bio-waste management through Vermicomposting
- Use of solar energy as an alternative source of conventional energy.
- Use of separate bins for biodegradable and non-biodegradable waste

Following competitions are regularly organized to relate the students with the issues of environment conservation:

- Poster
- Debate
- Essay and Slogan writing
- Best out of waste
- Environmental Quiz

#### **2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?**

The advanced learners are identified by the teachers in the class room. Students are subjected to various methods of evaluations. Based on their performance, students are identified as slow and advanced learners. The advanced learners are given special assignments and encouraged to read advanced literature. They are encouraged to update themselves with new and advanced information through the internet. The creative abilities of students are given vent through wall magazines, newsletters and college magazine. They are given additional assignments, advanced learning materials and assistance from the teachers. They are motivated to engage themselves in research activities. Further, such learners are motivated and guided to take admission in premiere institutes of India & abroad.

#### **2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?**

Academic performance of the students from the disadvantaged section of society, physically challenged, slow learners, economically weaker sections etc. is identified by the teachers during their lectures in classrooms or at the time of admission. We use marks obtained in class tests as index for identifying slow learners. Students are subjected to various methods of evaluation like oral responses & written test. Those students who do not seem to cope up with the pace of learning are advised and counseled by the teachers by assisting them with supplementary study material. The morale of the slow learners is boosted by counseling sessions, remedial classes and intensive interactive sessions. They are given special coaching after regular classes and are motivated by providing additional learning material such as self-help books and solved question papers. All the students are exposed to peer group learning where both the slow and advanced learners are combined. A friendly environment is created to improve the communications skills by promoting interaction. Advanced learners are given the responsibility of helping the slow learners in Laboratory sessions and other class assignments. A number of motivational lectures are organized to boost their morale and channelize their potential to achieve success. Financial assistance is provided to students of economically weaker background in the form of freeships and scholarships. Special attention is given to physically challenge students as per their need to ease their journey throughout the course



## **2.3 TEACHING-LEARNING PROCESS**

### **2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)**

The academic calendar is released by the Department of Higher Education, Govt. of M.P. to the affiliating university and is followed by every college. The same academic calendar is published on the college website at the beginning of the session of every academic year. Each department functions according to the teaching plan prepared at the department level. The unit wise syllabus is discussed with the faculty of the department and the course work is distributed. The faculty follows a lesson plan, which contains the details regarding institutional and curriculum objectives to be achieved, details of contents to be covered, the kinds of aids and the logistics to be used inside the class room. Teaching plan is prepared by the concerned teachers and submitted to the respective heads of the departments every academic year. Timetable is prepared and displayed on the notice board. The departments also carry out internal assessment through Continuous Comprehensive Evaluation(C.C.E) which gives weightage to classroom performance, regularity, punctuality and behaviour of the students.

The final evaluation of students is done according to the university norms and evaluation scheme. Towards the end of each session/ semester, theory and practical examinations are conducted by the university and evaluation is carried out. The exam results are declared and mark sheets are issued by the affiliating university. The record of these evaluations are maintained by the college at department level which helps in planning their teaching strategies for the subsequent years.

### **2.3.2 How does IQAC contribute to improve the teaching –learning process?**

IQAC provides the quality benchmarks/parameters for the various academic and administrative activities of the institution. It ensures timely, efficient and progressive performance of academic, administrative and financial tasks. It imparts knowledge for improvement of teaching-learning processes. Capacity building workshops for teachers are organized at regular intervals. Experts from the field of Education, Research and Industries are invited to deliver lectures on teaching-learning evaluation, value education, personality development, self-assessment, leadership etc. They interact with the students and teachers of the institution in question hour. Lectures were delivered by eminent personalities on ICT enabled teaching learning, Women Empowerment, Entrepreneurship Development etc. This year, two workshops on “Capacity Building” were organized for college faculty and students. The IQAC works towards the enhancement of collaborative learning among the students. It also encourages faculty to upgrade their skills and qualification through various faculty improvement programmes.

### **2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive, collaborative learning and independent learning among the students?**

The institution promotes student centric learning. We have a rich and updated library containing books and journals which the faculty uses efficiently to provide comprehensive and latest information to the students. Efforts are also made to encourage teachers to use internet and computers to keep them abreast of the latest developments in their respective fields of study. To achieve these goals, a workshop on “M.S. Office & Internet” for teachers was organized by the Computer Department from 18 November 2013 to 30 November 2013

Participative interactive learning is practiced through:

- Question answer sessions.
- Presentation by students to their peer group and interaction among them.
- Personality Development Workshops.
- Through drills of role play method.

Collaborative Learning through:

- Group discussion among students
- Team work for model making
- Poster making
- Team visit to industry or any other place relevant to their study/course
- Skill development by organizing workshops
- Newsletter publishing

Independent Learning through:

- Self-study in Library
- Use of internet for upgrading their knowledge
- Reading good & rich literature
- Assignments and class-tests.
- Students are also encouraged to use the library for in-depth study.

#### **2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?**

The college concentrates on making the students original thinkers. To promote creativity among students, they are motivated to participate in various extra-curricular activities & youth festivals. The long list of prizes won by our students in youth festivals and other district and state level competitions bears a testimony to it. At the same time, to encourage the scientific temper among students, the faculty engages the students in various practical works in science labs and computer labs. To sharpen the critical thinking among students, they are encouraged to express their views and ideas through GDs, debates, Elocution, Poster Making on burning issues of society which help them explore new ideas and to get a chance to listen to the expert views of eminent professionals. Nine activity societies function in the college. Every student is a member of some society. These activities are student-centric which aim at tapping, nurturing and promoting the creative energy of the students.

#### **2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.**

The use of modern multi-media teaching aids like smart classes, internet enabled LED Television, OHP, multimedia projectors, Internet enabled computer systems are usually employed in class room instructions as well as other student learning experiences. The students are also encouraged to use computer software packages for meaningful analyses of the experimental data collected / acquired by them. Students are guided to explore and use the wealth of e-learning resources of NPTEL, e-books through N-List programme of INFLIBNET and other OERs.

**2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

Special lectures and seminars by experts on various burning issues like global warming, wildlife protection, emerging trends in science and technology, gender issues, human rights, cyber-crime, health issues and ICT enabled teaching learning are organized in which faculty members and students are encouraged to participate. The teachers attend refresher and orientation courses at the UGC academic staff colleges to upgrade their knowledge and skills. Educational tours are also conducted to expose the students to latest topics of their subjects. Our teachers participate and present papers in national and international level seminars / conferences / workshops in India as well as abroad. This keeps them aware of the emerging areas of their subject. Every department invites persons of eminence, to deliver talks on new and challenging areas of the subject.

**2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?**

The college has career guidance & placement cell for training and placement counseling. The college has well developed advisor-advisee system wherein students are divided into groups and each group has an advisor teacher to provide academic and personal guidance. The advisor teacher takes deep interest and carefully monitors the attendance of students, their participation in seminars and other activities and also the performance of the students in internal tests/semester examinations. Accordingly the students are instructed to join remedial classes and special classes. The students who seek psychological boosting or the candidates who are psycho-socially left out are given professional counseling by the teachers of Psychology department. The ratio of Advisor:Student in the college is 1:20 approximately, thus every student is monitored for academic, personal and psycho-social support.

**2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the the impact of such innovative practices on student learning?** The college encourages the teachers to keep themselves abreast of the latest development in their respective fields. They are encouraged to use computers, Internet and library resources to enrich their teaching. The college faculty is also provided training for use of computers, latest software so that they can themselves create modern teaching aids to be used in their classrooms. The college has four ICT enabled classrooms, which are used maximally to teach P.G. Students of the college. The E-resources are used frequently by the teachers as a teaching aid. The faculty members are encouraged to participate in National/International level seminars. They are relieved from duty and are provided financial assistance for this purpose through Participation of Teachers in Academic Conferences(PTAC) funding (UGC). The faculty members who attend such seminars/conferences share their experience with students and faculty with latest information and talent developments.

To make the classroom learning- a real life experience, students are taken to the field. For study of plant propagation, students are taken to Dhanvantari Park where hands-on training on vegetative propagation is given. Hands-on in-house training on Vermicomposting is given to students. Educational trips/ Internships with reputed firms & Organizations/Socio, economic, psychological surveys/Visit to relevant historical sites like Bhimbetika, Bhojpur and Sanchi are some of the regular features of our college. Science students are taken to National

Research laboratory, Science Center, AMPRI(Advanced Materials and Processes Research Institute), EPCO(Environmental Pollution Control Organization) and MPCST(MP Council of Science and Technology), Bio fertilizer plant, CIPET(Central Institute of Plastic Engineering and Technology), and Sanchi Milk Dairy in Bhopal. These approaches have succeeded in arousing the interest of students in their respective subjects and helped to attract regular attendance in the classrooms. The level of learning has improved considerably which reflects in the confidence level of students and smaller dropout rate.

### **2.3.9 How are library resources used to augment the teaching-learning process?**

The institution has a rich library with collection of text, reference books, journals and magazines. It also caters to needs of students & teachers by providing access to E-books & E-journals. Majority of staff can efficiently use the internet and they liberally share their knowledge of innovative research topics, reviews, methodology, data gathered and information output with the learners. Students are also encouraged to make use of library services. They are provided with a student library card which enables them to get books issued from the library. Students are also taken to the library in allotted time slots of their time-table to instill reading habits among them. Every Department has their own library which is enriched with personal collection of books of the faculty of that department. They share their resources liberally with colleagues and students. Under the N-list facility, the students are connected to the e-books and journals of the world. More than 97,000 books & 6,000 journals are available free of cost.

### **2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.**

Yes, many times the institution faces challenges in completing the curriculum within the planned time frame and calendar.

#### **Challenges Encountered:**

- The university examination schedule overrun and is a big challenge to get enough time for completion of syllabus in the subsequent semester.
- To get prescribed number of teaching days in a semester along with organizing various co-curricular, and extra-curricular activities like sports day, annual festival, traditional day, various workshops and seminars.

#### **Following measures are taken to overcome such challenges:**

- All teachers prepares a monthly teaching plan before each month, and work accordingly.
- Extra classes are taken for completion of syllabus.
- The IQAC keeps a check on the syllabus covered by the various departments on regular basis.
- College working hours are increased to cope with short fall of working days.

### **2.3.11 How does the institute monitor and evaluate the quality of teaching learning?**

College has a well formed IQAC cell and academic council to monitor the quality of teaching-learning. IQAC and Academic Council through interaction with teachers and students submit reports of the feedback to the Principal. The institute evaluates the quality of teaching learning through internal examinations, CCE, feedback from students and teachers.

The advisor teacher on the basis of CCE identifies the slow and advance learner. The advance learners are given advance study material & tips for better performance in university examination. They are also motivated to appear for various competitive examinations. Extra coaching and remedial classes are held for slow learners and for marginalized students respectively. The semester examination cell monitors the timely completion of CCE which helps the mid-term evaluation of the teaching learning process.

## **2.4 TEACHER QUALITY**

**2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum?**

Highest Qualification	No. of Assistant Professors
<b>Permanent Teachers</b>	
D.Sc./D.Litt.	-
Ph.D.	34
M.Phil.	01
PG	21
<b>Temporary Teachers</b>	
Ph.D.	03
M.Phil.	01
PG	09
<b>Part-time Teachers</b>	
Ph.D.	-
M.Phil.	-
PG	-

- The Human Resource Cell of the college plan welfare schemes and monitors the recruitment of competent teachers. It also encourages teachers to upgrade their knowledge and skills from time to time.
- Qualified teachers are recruited which fulfill the minimum norms of college code 28 of Barkatullah University.
- Teachers are required to attend in-service academic advancement programmes like refresher and orientation courses for promotion to higher grades.
- Teachers are given raise in their salary on completing the Ph.D. programme during their service.

**2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

The courses of Biotechnology, Computer Application are available in our college. And for these courses, our institution has made a lot of efforts to recruit the most competent teachers. The institution conducts seminars and workshops related to these subjects at regular intervals to upgrade the academic/technological skills of our teachers and students. Interaction of the teachers and students with senior professors of the other colleges through guest lectures is a

regular feature. To attract the new faculty and to retain the existing teachers the college provides requisite facilities like research facilities, library, Internet etc. To encourage the staff to participate in workshops and seminars, teachers are granted duty leave and are also given other benefits to upgrade their knowledge by participating in state/national and international seminar/workshop/conferences/refresher & orientation Courses. During the last 3 years, many of our teachers have participated in number of state level, national and international level seminars, workshops and conferences. The details are as follows:

Year	Total papers presented in state level, national and international level seminars, workshops and conferences.
2011	16
2012	33
2013	47

### **2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.**

#### **a) Nomination to staff development programmes in the last four years:**

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	30
HRD programmes	3
Orientation programmes	6
Staff training conducted by the university	5
Staff training conducted by other institutions	7
Summer / winter schools/ workshops, etc.	45

#### **b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning**

**Teaching learning methods/approaches** The college organizes programmes to motivate teachers to prepare computer aided teaching/learning materials, mostly using soft wares and other electronic tools. The college has a lot of licensed software such as windows, MS Office, Visual Basic etc. The college also supports these endeavors by providing infrastructural support. Teachers engage multimedia classes for teaching concepts that involve complex visualizations and seminar presentations of the PG level students take place in the laboratory using computer and LCD projector. The computer department of the college regularly organizes training programs for teachers of other departments to make them aware of the latest developments in the technology. They train the teachers to encourage the use of computers and internet to empower the teachers and to improve their teaching methods.

**Handling new curriculum** - We have a team of experienced and qualified staffs to handle the new curriculum with ease. Many of our faculties are members of Board of Studies in Bakatullah University; they play an active role in designing the new curriculum. Whenever there is a change in the syllabus, the university communicates same to the college. The Principal conveys the same to the respective HODs immediately. The HODs then call meetings of their teachers and explain the new syllabus and devise strategies to empower the teachers to handle the new syllabus effectively. Recently, in B. Ed two members have

attended workshops on “Designing & Framing the New Curriculum” for B.Ed at The Institute of Advanced Studies in Education (*IASE*), Bhopal.

**Content/Knowledge Management** – Faculty members are periodically deputed to attend programmes on new and emerging technologies to keep abreast of the new development in their subject.

**Selection, development and use of enrichment materials** – We select and enrich the syllabus using models, charts, presentations, videos etc. available through Youtube, NPTEL, Access to Moodle of MHRD(IIT-Bombay), and other such educational websites.

**Cross cutting issues** - The awareness programmes like Gender, AIDS, Cyber Security, Climate Change, Environment Education, Human Rights, Information & Communications Technology etc. were organized in the college. The college, at its own level and with the assistance from UGC and other bodies makes arrangements for workshops, seminars and conferences of national level. Faculty members are provided with computers and internet facility for preparation of teaching / learning materials. College provides the facility of Open educational resources which includes textbooks, videos, N-list, E-library, and any other tools, materials, or techniques used to support access to knowledge for faculty members. For development of teaching learning material, the teachers of our institute are given free access to internet. This helps them collect learning material from the internet, etc. Besides this the college organizes seminars and conferences which help as a learning source for the faculty. Need based assistance and clarifications are offered by the faculty from the computer department which regularly conducts computer training classes for teaching and non-teaching faculty. B.Ed.(GE-DE) program as open education program is also conducted by the B Ed department. Some modules for B.Ed. has been prepared by the B.Ed faculty in collaboration with The Institute of Advanced Studies in Education (*IASE*) Bhopal as open learning resources .

**Audio Visual Aids** – Training programmes are organized by Department of Computer Science & Applications to upgrade the skills for using multimedia resources, smart classrooms and language labs.

**OER's**- Short duration courses of one to two hours are organized as per the requirement of the faculty.

**Teaching learning material development, selection and use**- Inhouse training of teachers for use of ICT facilities was organized in 2012-13.

**c) Percentage of faculty**

- **Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies**
- **Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies**
- **Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies**

Following is the summary of percentage of faculty invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies, total participation in external Workshops / Seminars / Conferences recognized by national/

international professional bodies and papers presented in Workshops / Seminars / Conferences conducted or recognized by professional agencies :

Year	National Level		International Level		Invited as resource person in %
	Participation %	Presentation %	Participation %	Presentation %	
2010	60	26	19	9	4.3
2011	69	20	5	3	3
2012	82	42	8	6	6
2013	82	62	11	9	3
2014	55	27	5	5	3

**2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)**

The institution extends full support for the professional development of the faculty. The institution deutes its teachers to attend refresher and orientation programs, conference, seminar and training programs organized by other institutes, universities and research organizations. The institution also conducts number of seminars, workshops and special lectures for the benefit of its faculties and students. The institute grants duty leaves to attend Faculty Development Programmes. Recently A UGC sponsored National Seminar based on “Value Oriented Education- Status & Direction” was organized by Education, Sociology, and Psychology departments of college. Teachers are encouraged to take research grants in the form of major, minor projects from MPCST, UGC, DBT and DST. Study leave is granted to teachers for completing their M.Phil. and Ph.D. Programme.

**2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.**

Number of faculty who received award/recognition at the state/national level in the field of teaching during the last four years are:

Year	Number of awards/recognition
2010	03
2011	03
2012	01
2013	08
2014	05

The environment of discipline and dedication of the institution motivate the teachers to excel in teaching and perform their duties whole heartedly.

**2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?**

Yes, our institute gets the evaluation of the teachers done by students and parents. The head of the institution takes feedback of the teachers from the students and their guardians. At the end of every academic year students give feedback of the faculty members and their teaching skills on a prescribed format.



## **2.5 EVALUATION PROCESS AND REFORMS**

### **2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?**

Annual/Semester system with CCE pattern is followed by the institution. Students are clearly made aware of the eligibility conditions required to appear in the final exams. They are informed of the criterion of the internal assessment. The evaluation is the integral part of teaching learning process. So, the institution makes effective arrangements for the smooth application of the rules about the evaluation processes. The college has developed a proper mechanism for this purpose. Time to time staff meetings are also conducted concerning evaluation process.

### **2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?**

The students are evaluated by group discussions, seminars and sometimes by blackboard tests on some interesting and short topics under Continuous Comprehensive Evaluation (C.C.E.). It makes the evaluation more interesting for students. The affiliating University has initiated various evaluation reforms viz.

1. Introduction of internal assessment system.
2. Introduction of objective questions in the question papers.
3. One paper per subject per semester is introduced.

The college has adopted various university reforms concerning evaluation :

1. Same pattern of question papers is used in internal examination.
2. Internal assessment is awarded to the students as per the university criteria.
3. Class tests and unit tests are conducted to evaluate the performance of students.
4. Students centric learning through assignments, projects, seminars, power point presentation and practical sessions.
5. Under CCE the regularity, punctuality and behavior is also evaluated.

In B.Ed faculty different skills are taught by the teachers (micro-plan with different skills) and these micro plans are taught by the B.Ed students in two cycles. Each student has to teach 7 skills in two cycles (teach & reteach). Feedback & suggestions are given by teachers per student per skill per cycle. Lesson plans are prepared and taught by the B.Ed students for a week (pre internship) in different schools of Bhopal. Feedback & suggestions are given by B.Ed teachers after every lesson. Before final exam, internal exams are conducted on the pattern of university exams. Suggestions are given to the students for their improvement, class test are conducted to evaluate monthly performance of students.

### **2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?**

The evaluation reforms of the university are followed in the best of the spirit. The evaluation is all fair. The system of evaluation under C.C.E is transparent and students know their marks obtained in C.C.E. before sending them to the university. Any doubt about evaluation is made clear to students. All record is maintained. The students are encouraged and counseled for better future performance. The institution follows the examination system as prescribed by the Barkatullah University, Bhopal. The university conducts the examination as well as evaluation. The institution has no autonomy for evaluation. However, there is provision for

CCE, which is done by the institution. Practical exams for number of subjects are conducted by the college and evaluation is done by both internal and external examiner appointed by the university.

**2.5.4 Provide details on the formative and summative evaluation approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.**

University is the important authority for implementation of reforms in examination and evaluation but faculty members who are a part of academic bodies of the university actively campaign for reforms. For bringing about a positive change in the evaluation practices, the institution adopts both formative and summative methods of evaluation. Formative approach to evaluation includes measuring the student's achievement through verbal tests, assignments, group discussions, seminars and weekly test, demonstration by the students, project work under C.C.E. The evaluation through these approaches gives lot of information about student's performance and their caliber.

The concerned teachers are apprised about the students and necessary steps regarding their improvement are taken. The summative evaluation is done during terminal tests. Even if some students don't perform well or clear the eligibility condition, an extra chance is given to the students for C.C.E. exams as well as in semester examination by allowing them to keep the term (A.T.K.T).

**2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.**

There is complete transparency in the internal assessment. The criterion adopted is as directed by the University. The internal assessment is made by the faculty members keeping in mind the following aspects / factors of students' performance during the academic year:

- Class attendance, punctuality and behaviour.
- Punctuality in completing class assignments and interest in reading subject books to judge independent learning.
- Score in class tests.
- Presentation in Seminar/Workshops to judge communication skills.
- Demonstration of very small research projects etc.

**2.5.6 What is the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?**

The college aspires to have a transformational impact on students through comprehensive education by inculcating qualities of competence, confidence and excellence. The college has specified its graduate attributes clearly. At the first place, the college aims to make its students employable. The college endeavors that its students should become valuable global citizens. To make the students academically sound enough, so that they are able to counter the challenges of the competitive world. The college ensures that by the time the student finishes his/her education in the college, she attains all these specified attributes. The faculty members of the college work rigorously throughout the academic year to enable the students imbibe the valuable lessons by way of effective curriculum, seminars, moral lectures, presentations and field work. The faculty sensitizes students towards inclusive social concerns, human rights,

gender and environmental issues to make them sensitive, sensible, useful and conscientious global citizens.

### **2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?**

The examination and evaluation are conducted and controlled by the University. If students have any grievances, they apply directly to the university. Only grievances of CCE or internal assessment are redressed by various HODs. University allows for re-evaluation in two papers per semester. Further grievances are redressed by showing the answer sheet to the students at a nominal charge in the confidential section of the university.

## **2.6 STUDENT PERFORMANCE AND LEARNING OUTCOMES**

### **2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?**

Yes, the end of education is character. The college has a clearly stated outcome as all around development of personality equipped to face the challenges of global market and higher education. Students are expected to demonstrate the academic excellence through in-depth knowledge of the subject, appropriate inter-personal and decision making skills, socially responsible citizens with leadership quality with national pride instilled in them. The results of learning outcomes are used to evaluate the effectiveness of academic programs and activities. Faculty use the information collected to develop and improve academic programs.

### **2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.**

The results of semester/annual examination are available online on the website of the university. Regular tests are taken during the course. The institution evaluates the students through terminal tests. The parents and the students are apprised of their performance regularly through the result of these exams. And the record of student performance is maintained by the respective advisor teacher to monitor their progress.

Comparative analysis of the college (SSSCW) results with another college (Kasturba College – KC) of Bhopal:

Course	2010-11		2011-12		2012-13		2013-14	
	SSSCW	KC	SSSCW	KC	SSSCW	KC	SSSCW	KC
<b>B.A.</b>	100%	79%	100%	83%	100%	75%	100%	91%
<b>B.Com.</b>	99.5%	97%	98.3%	97%	99.5%	95%	98.9%	97%
<b>B.Sc.</b>	100%	85%	100%	95%	100%	85%	97.5%	95%
<b>B.C.A.</b>	100%	99%	100%	98%	100%	93%	100%	98%
<b>B.Ed</b>	100%	-	100%	-	97%	-	-	-
<b>M.Sc. Maths</b>	100%	-	100%	-	100%	-	100%	-
<b>M.Sc. Zoology</b>	100%	-	100%	-	100%	-	100%	-
<b>M.Sc. Biotech</b>	100%	-	100%	-	100%	-	100%	-
<b>M.Sc. Chemistry</b>	90.9%	71%	100%	89%	100%	71%	100%	71%
<b>M.Sc.</b>	100%	100%	100%	88%	100%	95%	100%	NA

<b>Comp. Sc.</b>								
<b>M.Com.</b>	100%	85%	100%	92%	100%	88%	100%	NA
<b>M.A. English</b>	100%	-	100%	-	100%	-	100%	-
<b>M.A. Hindi</b>	75%	-	100%	-	100%	-	100%	-
<b>M.A. Pol.Sc.</b>	100%	97%	100%	86%	100%	36%	100%	NA
<b>M.A. History</b>	100%	-	100%	-	100%	-	100%	-

The results clearly show that result at UG and PG level is almost 100% every year.

### **2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?**

The institute aims to help students to reach their potential through the provision of a supportive, vibrant and challenging learning environment. All teachers are involved in the construction of this learning environment. The whole process of teaching and evaluation system is structured to achieve the well-balanced personality of the students through curricular and extra-curricular activities. The advance learner and weak students are taught with different techniques for effective learning. The college has formulated academic council that aims at enhancing the quality of learning, teaching and assessment across the Institute by providing academic leadership for the continued development of excellence in academic practice.

This strategy recognizes the need to develop progressively self- directed and confident learners with the knowledge, skills, attitudes and values, which enhance their employability and progression opportunities. It acknowledges that students learn most effectively if they are supported as individuals to achieve personal development. Due emphasis is given to co-curricular activities and enrichment programmes.

### **2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?**

The courses run by college have both social and economic relevance. The college has made dedicated efforts to impart quality education and generate new knowledge through education in basic traditional courses and research activities. It has been contributing significantly in transforming socio-economic conditions of the people of this region. The students are sensitized on the social responsibilities through guest lectures. Students are encouraged to participate in activities for social and community service. Through the special lectures and activities of NSS, NCC and Environment cell, the students are made aware of their social responsibility. The alumni association of college is active in discharging its social responsibility. The members of the alumni association visited Old-age home "Aasra" and distributed fruits and blankets to the inmates.

After completion of UG/PG courses students go to various other institutes of higher education to pursue high studies or they get employed to contribute to nation building. Special lectures, workshop are organized to encourage the students towards self employment and to learn the skill of a successful entrepreneur.

### **2.6.5 How does the institution collect and analyze data on student learning outcomes and use it for planning and overcoming barriers of learning?**

Institution has specified procedure to collect and analyze data on student learning outcome; the following points are adopted by the institute in this context: continuous evaluation

comprising of internal tests, assignments and seminar presentations. Introduction of unit wise internal choice and objective and analytical type questions. This ensures comprehensive study and understanding of the entire course contents by the student. The results of each semester are analyzed by the advisor teacher to evaluate the overall performance of the student. This data is used to plan different strategies for weak and advanced learners. Apart from this the following steps were taken to overcome barriers:-

- Providing question bank of various subjects to the students.
- Timely redressal of students' grievances.
- By showing answer books of class test and internal exam to students to make them understand their relative strengths and weaknesses.
- Minimum attendance limits for students to minimize absenteeism.
- Extra classes for weak students to solve their problem.

#### **2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?**

The institution has a clearly defined, set mechanism to monitor the learning outcomes. Attendance is compulsorily taken for every lecture. Tutorials and laboratory hours are fixed. The tutorials and assignment is corrected within a short duration and the marks are entered in register, which acts as a ready reckoner for the academic progress of the students. Based on the participation in the class and the marks scored in the tutorials and assignments, the student level is judged by the staff and appropriate action is taken. Counseling is given to slow learners. Parents of such students are called to meet their respective faculty member, if required. As the entire laboratory courses are continuously assessed, students who lag in these courses are given additional help and guidance. They are also given additional laboratory practice. The faculty members are encouraged to conduct surprise tests, quiz, etc. to monitor the academic progress of each student. The learning outcomes are assessed by carefully structured class-tests for assessment of students' assimilation of subjects and power to comprehend.

#### **2.6.7 Does the institution and individual teachers use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.**

The grades secured by a student in university examinations are indicator of their academic performance which assesses their capacity of assimilation and comprehension of the subject/course matter. There is a system of continuous comprehensive evaluation. The overall personality of a student is assessed by their participation in extra-curricular activities like sports, NSS/NCC, cultural/literary programs. The Students are closely monitored and are nurtured to instill values of discipline, punctuality and equipoised behavior. The mix of these three efforts helps to achieve the learning objective and creation of a well balanced personality. Every year a healthy competition starts among the students of each faculty to win the coveted Gold medal of "All Round Best Student" of the faculty. Every student strives hard to excel in academics, extra-curricular activities and presents disciplined pleasing personality to win the award. In B.Ed. Students are divided into small groups for projects, microplans, macroplans, demonstration and assessment is done by the teachers and peer group and feedback is also given to them.

#### **Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.**

Nil

## CRITERION III : RESEARCH, CONSULTANCY AND EXTENSION

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### **3.1 PROMOTION OF RESEARCH**

#### **3.1.1 Does the institution have recognized research Centres of the affiliating University or any other agency/organization.**

Yes, the institute has a recognized research center of the Barkatullah University in Department of Hindi. It is under process with the affiliating university for Departments of Chemistry, Biotechnology, Zoology, Botany and Microbiology. Department of Hindi is also research center of Atal Bihari Vajpayee Hindi Vishwavidyalaya, Bhopal. Ph.D. in Microbiology and Botany is being guided in collaboration with department of Microbiology of Barkatullah University, and other institutes of Bhopal like Pinnacle Biomedical Research Institute, Grow Tips Biotech and Genesis Institute of Biomedical Research.

#### **3.1.2 Does the institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.**

Yes, the institution has a research committee to monitor and address the issue of research. The composition of research committee is as follows:-

1. Dr.(Smt.) Sudha Pathak(Principal) – Chairperson
2. Dr.(Smt.) Renu Mishra - Secretary
3. Dr.(Smt.) Binay Rajaram - Member
4. Dr.(Smt.) Archana Srivastava - Member
5. Dr.(Smt.) Neena Arora - Member
6. Dr.(Smt.) Rupa Guha Nandi - Member
7. Dr.(Smt.) Renu Shrivastava - Member
8. Smt. Nishi Yadav(Research Scholar) - Member
9. Kshama Ashware (Research Scholar) – Member

The committee motivates the Non Ph.D. faculty member to enroll for Ph.D. course in their field of interest. The doctoral faculty members are encouraged to apply for research projects with different funding agencies like UGC, MPCST, DST, and DBT. Besides this the research committee also provides details of different funding agency to obtain financial assistance to faculty members and students in the college for doing research projects. At present eighteen teachers are actively engaged in research.

Committee also encourage teachers and student for presentation of research papers at national and international conferences and publications of research papers in research journals of national and international repute.

To promote research culture in the institute the committee recommended the publication of interdisciplinary research journal. Research journal Highbrow has been published with ISSN

No. 2350-1154. More than 50% of the teachers contributed their research papers for the journal.

### **3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?**

The institution hosts research projects of faculty members funded by UGC and other funding agencies like MPCST, DBT, DST etc. The institution has taken various measures to facilitate smooth progress and implementation of the projects. The details are given below.

**Autonomy to the Principal Investigator** -The institution provides full autonomy to the principal investigator to facilitate smooth progress and implementation of research projects.

**Timely availability or release of resources for the smooth funding of project** – Due consideration is given to prompt availability of funds and release of resources.

**Adequate infrastructure and human resources** - The institution has adequate infrastructure like workspace, electricity, internet, well equipped laboratory, library, computing facilities and help from administrative and accounts staff for accounting and release of funds.

**Time-off, reduced teaching load, special leave etc. to teachers-**

- Duty leave to teachers to attend conferences, seminars and to present the papers.
- Special leave under the scheme of Faculty Improvement Programme(FIP) of UGC is provided to the eligible staff to complete M.Phil. and Ph.D. Four Teachers completed their Ph.D. and four teachers completed their M.Phil. under the scheme of FIP.

**Support in terms of technology and information needs** - Faculty members are encouraged to update their knowledge with latest research related software, equipment etc.

**Facilitate timely auditing and submission of utilization certificate to the funding authorities** - Yes, institute facilitates timely auditing and submission of utilization certificate.

**Any other** – Special study leave is granted by Chairman, Governing Body for completion of Ph.D. to management staff. Dr. Meena Parashar, Department of Commerce and Mrs. Pooja Kaur Chaggar, Department of Chemistry are the recipients of this facility.

### **3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?**

To develop scientific temper and aptitude among students the teacher motivate and guide them to undertake research oriented project under the JOP (Job Oriented Project) scheme of Higher Education ( Government of M.P.). The students are encouraged to contribute their research paper for departmental newsletters and institutional research journal. To inculcate the spirit of research among teacher and student the college is publishing its own research journal, “Highbrow”. Efforts are made to conduct seminars, workshops and training programmes. Experts from different fields, eminent scholars are invited to interact with teachers and students.

**3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading research projects, engaged in individual / collaborative research activity, etc.**

Details of the faculty involvement in active research:

S.No.	Name of Faculty	Department	No. of candidates Ph. D. awarded/ pursuing
1.	Dr. Binay Rajaram	Hindi	07 –Candidates Awarded Ph.D. 06- Candidates registered and pursuing 07- Candidates did Dissertation in M.A Applied for major UGC project
2.	Dr. Shampa Malhotra	English	01-Minor Research Project Completed 01-Minor Research Project ongoing
3.	Dr. Saroj Gupta	Education	06- Candidates registered and pursuing Ph.D.
4.	Dr. Shreeji Seth	Political Science	01 - Minor Research Project ongoing
5.	Dr. Charanjeet Kaur	Chemistry	01-Minor Research Project Completed
6.	Dr. Neena Arora	Chemistry	01-Minor Research Project Completed Registered as Supervisor in BU Bhopal
7.	Dr. Archana Srivastava	Physics	01-Minor Research Project ongoing
8.	Dr. Renu Mishra	Botany	08- Candidate registered- 01 candidate awarded Ph.D. 02-Minor Research Project Completed Applied for minor UGC research project and major MPCST project.
9.	Mrs. Rajashree Srinivasa	Botany	Submitted Ph.D. thesis
10.	Mrs. Shikha Mandloi	Microbiology	01-Minor Research Project Completed Worked as Co-investigator in UGC Minor Project and submitted Ph.D.Thesis
11.	Mrs. Nishi Yadav	Microbiology	Pursing Ph.D.
12.	Dr. Rupa Guha Nandi	Biotechnology	01-Minor Research Project Completed
13.	Dr. Renu Shrivastava	Zoology	01- Minor Research Project ongoing Guides 03 Candidates for M.Phil. Dissertation in UTD, BU.
14.	Mrs. Arpana Sinhal	Computer	Pursing Ph.D.
15.	Mrs. Pooja Kaur Chaggar	Chemistry	Pursuing Ph.D.
16.	Mrs. Rajmani Badnerkar	Education	Pursuing Ph.D.
17.	Mrs. Anita Awasthi	Education	Pursuing Ph.D.
18.	Dr. Sadhana Anant	Education	Individual Research



**3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/ organised by the institution with focus on capacity building in terms of research and imbuing research culture among the staff and the students.**

Details of workshop/training programmes /sensitization programmes :

<b>Seminars/Workshops/Training / sensitization Programmes/</b>	<b>Date</b>	<b>Organized By</b>
Lecture series on Spectroscopy and Stereochemistry	10 -13 Feb. 2009	Chemistry Department
Lecture on Swine Flu- Symptoms, Prevention and Management	20 Aug. 2009	Zoology and Biotechnology Department
Workshop on Science -A tool in criminal investigation	13 Feb.2009	Zoology and Biotechnology Department
Workshop on Cytogenetics and animal cell culture	27-28 April 2010	Zoology and Biotechnology Department
Communicative Skills and Personality development	Aug.2012	English Department
Women Entrepreneurship Development Program Under NSDC programme	12Dec. 2012-12 Jan.2013	Chemistry Department
National Seminar on Value oriented education: Status and directions	24-25 Oct.2013	B.Ed., Psychology and Sociology Department
Application development for Android Technology	31 Jan. 2014	Computer Department
Communication Skills and resume writing techniques	7 Feb. 2014	Computer Department
Seminar on Tally & VB. Net	10 Feb. 2014	Computer Department
Entrepreneurship Development under (Retail Trading) NSDC program	11 Feb. 2014 to 11 Mar.2014	Commerce Faculty
Seminar and training workshop for Interview and recruitment Skills	11 Feb. 2014	Computer Department
Training program in IT under NSDC program	25 Feb. - 24 Mar. 2014	Computer Department
Workshop on plant taxonomy Workshop on plant vermicomposting	July 2014	Botany Department
Group Discussion	14 Aug.2014 21 Aug.2014 4 Sept. 2014	English Department in association with Rotary Club
Workshop on "Capacity Building" for Teachers	6 Sept. 14	IQAC
Spoken tutorial workshop on Java, C++, Latex	24 -29 Sept. 2014	Computer Department
Science Exhibition	9 Oct.2014	Zoology and Biotechnology Department
Poster exhibition and workshop on instrumentation at UG level	17-18 Oct. 2014	Chemistry Department
Workshop on "Capacity Building"	19 Dec. 14	IQAC

### 3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

Details of prioritized research areas and the expertise available in the college are as follows

Department	Name	Prioritized research areas
Chemistry	Dr. Charanjeet Kaur	Environment and Nano technology
	Dr. Neena Arora	Environment–Soil Chemistry and Biological N-fixation and natural products
	Dr. Varsha Saxena	Organic Synthesis
Physics	Dr. Jyotsana Galgale	Theoretical modeling, Solid State Physics, Crystal structure
	Dr. Archana Srivastava	Theoretical modeling, CMR materials, SOFC materials, High Density Memory devices
Botany and Microbiology	Dr. Renu Mishra	Aerobiology Mycology, Bacteriology, Medical Microbiology, Antimicrobial activity of plants, molecular biology, Plant tissue culture, Phytochemical analysis of plant
	Mrs. Rajashree Srinivasa	Antimicrobial activities of plant, Plant tissue culture, Phytochemical analysis of plant
	Mrs. Shikha Mandloi	Biofertilizer production, Aerobiology, mycology, anti microbial activities of medicinal plants, Phytochemical analysis of plant
	Mrs. Nishi Yadav	Bacteriology, Antimicrobial activities of plant, Phytochemical analysis of plant
Zoology and Biotechnology	Dr. Asha Agarwal	Biodiversity of Diatoms, Ichthyology
	Dr. Sunita Yadav	Toxicology, Haematology, Enzymology and Ichthyology
	Dr. Renu Shrivastava	Toxicology, Enzymology, cytology, Haematology and Endocrinology
	Dr. Rupa Guha Nandi	Molecular Biology, Agricultural Biotechnology and Microbiology
	Dr. Parul Saxena	Molecular Biology, Plant Tissue culture and Molecular Genetics
Mathematics	Mrs. Snigdha Dutta	Summability
	Dr. Smita Nair	Fixed Point Theory
	Dr. Shalu Saxena	Fixed Point Theory
Home Science	Dr. Shubha Kapdev	Nutrition
	Dr. Malti Joshi	Clinical Nutrition
Hindi	Dr. Binay Rajaram	Tulnatmak Sahitya
	Dr. Anupama Chouhan	Adhunik Gadhya
	Dr. Manisha Tripathi	Naree Lekhan
	Dr. Anuradha Singh	Adhunik Vyangya
English	Dr. Shampa Malhotra	Indian writings in English & Women's Studies
	Dr. Megha Singh	Indian writings in English

Political Science	Dr. Sudha Pathak	International Relations
	Dr. Shreeji Seth	International relations
	Dr. Harsha Chaturvedi	Human Rights & Women Rights
Sociology	Dr. Shakuntala Jain	Political Sociology
Psychology	Mrs. Meera Rani Saxina	Social Psychology
History	Dr. Deepa Singh	Modern History
Economics	Dr. Neena Chatterjee	Urban Economics
Computer Science	Dr. Romsha Sharma	Data Mining
	Ms. Arpana Singhal	Software Engineering
Education	Dr. Saroj Gupta	Human rights education
	Dr. Sadhna Anant	Effective teaching and environment
	Dr. Shobhna Shrivastva	Children with special needs
	Dr. Rekha bhatt	Women empowerment
	Dr. C. Shobha Rao	Value education
	Dr. Geeta Gupta	Environmental Study Curriculum
	Smt. Rajmani	School Administration
	Smt. Anita Awasthi	Environmental Study Curriculum

**3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students.**

College regularly conducts lectures by experts of various fields in two categories :

- General topics for all students and faculties every Thursday.
- Specialized lecture on particular subject are organized by the departments occasionally.

The list of visitors to the campus is as follows:

- Dr. Dwarika Rani Rao : Director, Institute of Higher Learning, Ananthpur (Andhra Pradesh)
- Dr. P.S.Kalsi : Former Dean Colleges, Punjab Technical University Jalandhar.
- Prof. H.S Patel : Sardar Patel University, Gujarat.
- Prof. P.B. Sharma : Ex-Vice Chancellor, Rajiv Gandhi Proudgi Vishwavidyalaya, Bhopal
- Dr. GyanVardhan Pathak : Ex-Prof. of political Sc.& Public Administration IEHE, Bhopal.
- Dr. Pramila Maini : Ex-Director, Institute for Excellence in Higher Education Bhopal.
- Prof. C.S Chadha : Ex-Vice Chancellor, Devi Ahilya Vishwavidyalaya (DAVV), Indore.
- Prof. (Mrs.)Shashi Rai : Ex-Principal, Ex Member UGC, New Delhi – Director, Saheed Hemu Kalani Education Society Bairagargh Bhopal.
- Dr. Kusum Sharma : HOD Chemistry Motilal Vigyan Mahavidhyalaya (MVM),Bhopal.
- Dr.Sarita Shrivastava : Prof. of Chemistry Motilal Vigyan Mahavidhyalaya ( MVM), Bhopal.
- Dr. Santosh Kumar Shrivastava : Prof & Head, Department of Biosciences,BU, Bhopal.
- Dr. S.K.Kulshreshta : Convenor, Indian Science Congress Association Bhopal Chapter .

- Prof S.Qureshi : HOD-Chemistry, Geetanjali College, Bhopal.
- Prof. V.P.Gupta : Department of Chemistry, Regional Institute of Education(R.I.E.) Bhopal.
- Dr. Aarti Kaul Patel : Jawahar Nehru Cancer Hospital,Bhopal.
- Ms. Shalini Jain : Asst.Prof., Anand Vihar School (AVS), Bhopal.
- Dr. S.D. Kulkarni : Director, Central Institute of Agriculture Engineer (CIAE), Bhopal.
- Dr. Rekha Bhadauria : Professor School of Studies in Botany Jiwaji University. Gwalior.
- Dr. A.A. Hashmi : Department of Chemistry, Jamia Milia Islamia University, New Delhi.
- Prof. Shivakar Thakur : Parvatibai Gokhale Vigyan(P.G.V.)College, Gwalior.
- Dr. S.A. Shaffi : Dean, Regional Institute of Education ( R.I.E.), Bhopal.
- Prof. S.A. Iqbal : Department of Chemistry, Safia Science College, Bhopal.
- Mr. G.K. Mehram : Deputy Manager Indian Oil Corporation (IOC), Bhopal.
- Dr. Sharique A. Ali : HOD Department of Biotechnology Saifia P.G. College of Science, Bhopal.
- Dr. Suman Malik : HOD Chemistry, Sadhu Vaswani College, Bairagarh, Bhopal.
- Dr. Shovit Bhattacharya : Scientist, Bhabha Atomic Research Centre Trombay, Mumbai.
- Dr. Alok Rastogi : HOD (Physics) Institute for Excellence in Higher Education ( IEHE), Bhopal.
- Dr. Vilas Shelke : Scientific Officer, Department of Physics, Barkatullah University Bhopal.
- Dr. N. K. Gaur : Associate Professor, Department of Physics, Barkatullah University Bhopal.
- Dr. Alpana Tiwari : Maharani Laxmi Bai Govt. Girls Autonomous P.G. College, Bhopal.
- Dr. Sharda Gangwar : Department of Commerce, Institute for Excellence in Higher Education ( IEHE), Bhopal.
- Prof. Prakash Nautiyal : Department of Zoology, Hemwati Nandan Bahuguna Garhwal University, Srinagar.
- Dr. P.K. Rai : Prof of Botany, Motilal Vigyan Mahavidhyalaya, Bhopal.
- Prof. Vinod Singh : HOD, Microbiology, Barkatullah University, Bhopal.
- Prof. Ragini Gothwal : HOD, Biotechnology, Barkatullah University, Bhopal.
- Prof. N.C. Sharma : HOD, Genetics and Biochemistry, Barkatullah University, Bhopal.
- Dr. N. Siddiqui : HOD, Botany, Govt Geetanjali Girls College, Bhopal.
- Prof. S.S. Khan : Retd. Professor of Botany, Saffia Science College, Bhopal.
- Dr. Madhuri Modak : Professor of Botany, Motilal Vigyan Mahavidyalaya(MVM), Bhopal.
- Dr. Ranjana Verma : Professor of Botany, Sarojini Naidu Govt. Girls P.G. Autonomous College, Bhopal.

**3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities ? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?**

15.2 % teachers have utilized sabbatical leave for research activity (like M.Phil/ Ph.D.). Members of faculty are sanctioned duty leave for chairing the session/ presenting papers/ attending national, international conference/ seminar/ workshops. The details are:

S.No.	Year	Name of faculty	Name of Research activity
1	2014	Dr. Archana Srivastava, Department of Physics	Paper presented in 32 <sup>nd</sup> "International Conference on Physics of Semiconductors" held at Austin, Texas, USA
2	2013	Dr. Renu Mishra, Department of Botany	Paper presented in 5 <sup>th</sup> International Conference on Monocotyledons held at Fordham University New York, USA
3	2013	Mrs. Rajashree Srinivasa, Department of Botany	Paper presented in 5 <sup>th</sup> International Conference on Monocotyledons held at Fordham University New York, USA
4	2010	Dr. Jyotsana Galgale, Department of Physics	Paper presented in International Asian Thermophysical Properties Conference (ATPC) in Beijing, China
5	2009	Dr. Archana Srivastava, Department of Physics	Paper presented in International Conference AIRAPT-22 and HPCJ-50 held at Tokyo, Japan
6	2008	Dr. Charanjeet Kaur, Department of Chemistry	Paper presented in International conference in Singapore
7	2007	Dr. Neena Arora, Department of Chemistry	Paper presented in International conference in Washington(U.S.A)
8	2006	Dr. Manju Tembhre, Department of Zoology	Paper presented in International conference in France
9	2005	Dr. Neena Arora, Department of Chemistry	Paper presented in International conference in Washington(U.S.A)
10	2014	Mrs. Pooja Kaur Chaggar, Department of Chemistry	Completion of Ph.D.
11	2008-10	Dr. Archana Srivastava, Department of Physics	Completion of Ph.D.
12	2006-08	Dr. Asha Agarwal, Department of Zoology	Completion of Ph.D.
13	2005-07	Dr. S. D. Kapdeo, Department of Home Science	Completion of Ph.D.
14	2005-06	Dr. Archana Srivastava, Department of Physics	Completion of M.Phil.
15	2004-05	Mrs. Snigdha Dutta, Department of Mathematics	Completion of M.Phil.
16	2004	Dr. Manju Tembhre, Department of Zoology	Post-doctoral research work in Central Food Technological Research Institute(CFTRI), Mysore under INSA fellowship

**3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating/ transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)**

The institution conduct various awareness programs based on latest research which are helpful for the community. The institute always motivates the faculty to organize state and national level seminars, delivering expert lectures, publication and presenting papers in seminar/conferences. The two main activities which take the institutional research to society are:

- Regular publication by faculty in research journals of high impact factor
- Awareness about latest research to students and society through bulletin board, newsletter and college research journal.

### **3.2 RESOURCE MOBILIZATION FOR RESEARCH**

**3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.**

Although college has no separate budget for research activity, faculty members get support from different funding agencies, UGC, Madhya Pradesh Council of Science & Technology (MPCST), Department of Biotechnology (DBT), Department of Science and Technology (DST) etc. Besides this, the institution provides partial assistance for conducting seminars and workshop etc.

**3.2.2 Is there a provision in the institution to provide seed money to the faculty for research ? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in last four years?**

No.

**3.2.3 What are the financial provisions made available to support student research projects by students?**

As a part of curriculum final year students of all faculties under take a job oriented research project. They are all self-funded. However, the college provides facilities like library, consultancy, laboratory, resources from INFILBNET, and internet facilities for project work.

**3.2.4 How does various departments / units/ staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.**

Interdisciplinary research is initiated by faculty members of Botany, Microbiology, Zoology, Biotechnology and Chemistry Department.

**3.2.5 How does the institution ensure optimal use of various equipments and research facilities of the institution by its staff and students?**

- We have basic research facilities available in Chemistry, Biotechnology, Microbiology, Zoology, Botany, Physics and Computer Laboratories which are used by all faculties as required. Training workshops on instrumentation are conducted for students, teachers and laboratory technicians for effective handling of laboratory equipments.
- Research students as well as P.G., U.G. students use these facilities for their research oriented project and research work.

- Other resources generated from minor/major research projects are available to all students and staff.
- Student and staff can use internet facility through U.G.C. resource center in the central library.
- All teachers, P.G. and research students have their login id and passwords to access e-resources under the N-list programme of INFLIBNET.

**3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If, yes, give details.**

No, however the funds received from minor research project are utilized partially for improving research facilities such as purchase of equipments, glasswares, chemicals, books, journals and laptop.

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organisations. Provide details of ongoing and completed projects and grants received during the last four years.**

College supports and encourages the faculty members to apply for research projects with various funding agencies. 12 teachers have applied for Major/Minor Research projects with UGC, New Delhi & UGC-CRO and MPCST which are still waiting approval. While, the details of Minor Research Projects undertaken since 2010 are as follows:

S.No.	Name of the teacher	Duration Year From-To	Title of the project	Name of the funding Agency	Total Grant		Total Grant received till date
					Sanctioned	Received	
1	Dr. Renu Mishra	2008-10	“Study of mycodiversity of soil and air in Bhopal and preparation of gene bank”	UGC	1,00,000	1,00,000	1,00,000
2	Dr. Shampa Malhotra	2009-10	“Tradition and modernity in Indian writing in English”	UGC	70,800	55000	55000
3	Dr. Charanjeet Kaur	2012-13	“Studies on decontamination of some aqueous metal ions by nano particles of zero valent iron”	UGC	1,25,000	70,000	70,000
4	Dr. Renu Mishra (Principal Investigator) Mrs. Shikha Mandloi (Co-investigator)	2012-13	“Investigation on extraction and anti-microbial activity of certain medicinal plants indigenous to M.P.”	UGC	1,30,000	1,30,000	1,30,000

5	Dr.Rupa Guha Nandi	2012-13	“Suitability of gum liquids inoculums for the commercial production of biofertilizer for <i>Glycin Max</i> by temperature tolerant strains”	UGC	95,000	55,000	55,000
6	Dr. Shampa Malhotra, Dr. Megha Singh	2013-14	“Changing faces of women in Indian Cinema, Transformation or deformation”	UGC	1,50,000	1,25,000	1,25,000
7	Dr. Shriji Seth	2013-14	“Bhartiye Prajatantra mei rajya vidhanmandal,(madhya Pradesh ke vishesh sandharbh mei)”	UGC	1,10,000	80,000	80,000
8	Dr. Archana Srivastava	2013-14	“Specific heat and thermal expansion of multiferroic CMR manganites”	UGC	1,80,000	1,50,000	1,50,000
9	Dr. Renu Shrivastava	2013-14	“Toxicological impact of bis-phenol A on reproductive and endocrine physiology of male mice <i>Mus Musculus</i> ”	UGC	1,50,000	1,02,500	1,02,500

### **3.3 INFRASTRUCTURE FOR RESEARCH**

#### **3.3.1 What are the research facilities available to the students and research scholars within the campus**

The institution has following research facilities:

- Well established and updated central library with 48 important and useful journals and 32,407 books
- Computer facility center
- UGC Network Resource Centre
- BSNL leased line internet connectivity
- Printing, copying and scanning facilities
- Seminar Hall
- E-Resources from INFLIBNET
- Well-equipped laboratories with these instruments



- |                                      |                             |  |
|--------------------------------------|-----------------------------|--|
| ▪ BOD Incubator                      | ▪ CO <sub>2</sub> incubator | ▪ Trinocular microscope with image projection system |
| ▪ Conductivity meter                 | ▪ Spectrophotometer         | ▪ Digital Microphotography system                    |
| ▪ Cooling Centrifuge                 | ▪ UV Transilluminator       | ▪ Centrifuge electrical 4X15 ml. tube                |
| ▪ Gel Electrophoresis                | ▪ Vortex Mixer              | ▪ pH meter digital with electronic model 335         |
| ▪ Gel-Filteration Chromatography Kit | ▪ Water Bath                | ▪ Soxhlet apparatus with heating unit                |
| ▪ Incubator                          | ▪ Centrifuge                | ▪ Carbon Dioxide incubator                           |
| ▪ Laminar Air Flow                   | ▪ Hot air Oven              |  |
| ▪ PAGE Electrophoresis               | ▪ Electronic Balance        |  |
| ▪ PCR                                | ▪ Humidifier                |  |
| ▪ Rotatory Flask Shaker              | ▪ Deep freezer              |  |
| ▪ Gel rocker                         | ▪ Autoclave                 |  |
|                                      | ▪ Gel Documentation         |  |

**3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs for researchers especially in the new and emerging areas of research.**

The institution plans to upgrade its existing laboratories and develop a separate laboratory for research scholars with advance research facilities.

**3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities. If 'yes', what are the instruments/facilities created during the last four years**

The college has received assistance for improving research facilities from UGC, MPCST, DST etc. During the last four years institute has received financial assistance in the form of Minor Research Project and developmental grant. Following resources have been procured during the last four years:

2 Laptops, one printer, Autoclave, Centrifuge, PCR, Gel Documentation, Gel rocker, deep freezer, humidifier, trinocular microscope with camera, Refrigerator, microwave, OTG etc. Plenty of relevant books were purchased for the central and departmental libraries. Network resource center was established.

**3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories.**

Students/research scholars are also provided research facilities outside the campus by the following research laboratories : University Teaching Department(UTD) of Microbiology, UTD of Bioscience, Environmental Planning & Coordination Organisation (EPCO), Pinnacle Biomedical Research Institute(PBRI), Genesis Institute of Biomedical Research, Growtips Biotech, University Teaching Department, Physics of Barkatullah University, Bhopal, Pt. Kunjilal Dubey Sansdiya Vidya Peeth, ELT centre Bhopal, Hindi Bhawan, Manav Sangrahalay, Madhav Rao Sapre Sangrahalay, Bhopal M.P. Archeological Survey of India Madhya Pradesh.

**3.3.5 Provide details on the library/ information resource centre or any other facilities available specifically for the researchers.**

The college has central library with 32,407 books, 48 national/ International journals, 50 magazines to cater to the need of research scholars. Besides this each department has its own departmental library with good reference books. College has access to more than 97,000 e-

books and 6,000 e-journals through N-List programme of INFLIBNET. Library has a UGC Network Resource Center dedicated to research scholars.

**3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.**

Department of Botany and Microbiology has collaborative research facilities with Department of Microbiology, Barkatullah University, Bhopal. Department of Hindi is also a resource center for Scholars of Atal Bihari Vajpayee Vishwavidyalaya, Department of Political science has collaboration with Pt. Kunjilal Dubey Sansdiya Vidyapeeth Bhopal.

### **3.4 RESEARCH PUBLICATIONS AND AWARDS**

**3.4.1 Highlight the major research achievements of the staff and students in terms of**

- **Patents obtained and filed (process and product)**
- **Original research contributing to product improvement**
- **Research studies or surveys benefiting the community or improving the services**
- **Research inputs contributing to new initiatives and social development**

**Patents obtained and filed (process and product) : Nil**

**Original research contributing to product improvement :**

- Dr. Archana Srivastava is working for better memory devices and SOFC cathode materials

**Research studies or surveys benefiting the community or improving the services :**

- Dr. Renu Mishra provides flowering and fungal calendar of Bhopal to pulmonary & Respiratory physicians to correlate pollen and fungal allergies of patient. She is also contributing her efforts for treatment of pathogens through herbal remedy to ensure that health care facilities are within the reach of common man.
- Dr. Rupa Guha Nandi's research work contributes an alternative to Bio fertilizers that are supplied to the farmers as carrier based inoculants. Her work contributes in liquid formulation technology which has more advantages than the carrier inoculants in high temperature. As in India temperature exceeds 40deg Celsius in which nitrogen fixing bacteria do not survive.
- Dr. Archana Srivastava works on physical properties of colossal magneto resistance material and contributes to the identification of better material for memory devices and Solid Oxide Fuel Cell(SOFC). Thus, putting her efforts to solve the energy crisis of the world.
- Dr. Romsha Sharma's research is contributing to help people analyze the enormous set of data and get hidden and useful knowledge by applying data mining effectively not only in business environment but also in other fields such as weather forecast, medicine, transportation, healthcare, insurance, government etc.
- Dr. Renu Shrivastava work on toxic effects of plasticizer Bisphenol-A on various organs of the body of mammals. The main objective of research is to make people

aware of the adverse effect of this polymer; so that they can minimize the use of it in daily life.

- Dr. Sudha Pathak's research has contributed to increase the political awareness about international political issues.
- Dr. Shampa Malhotra's area of research is "Indian writings in English", she emphasized that literature reflects the society and its culture. India has a rich literary tradition. Her Ph.D. Research is on the words of Amitab Ghosh. The novels of Ghosh are typically Indian in spirit. Reading and understanding of his novels not only helps us to understand our people and culture better but also enables us to narrate it to the wider world.
- Dr. Shubha Kapdeo's research helped in development of an understanding of effects of interpersonal relationship and life style habits on nutritional status of the elderly people.
- Dr. Sudha Tripathi's research work draws attention to "quality services" being provided with regularity. She highlights the measure that should be taken to improve the working conditions to facilitate good performance.
- Dr. Megha Singh's research is on "R.K.Narayan" which dealt with Indian social set-up and human relationships. Well-Knit Human relationships can contribute in making strong structure of the society and thereby helps in the development of the society.
- Dr. Parul Saxena's research work contributes in improving quality and yield of food crops.
- Dr. Jyotsna Galgale contributed to the enhancement of theoretical physics.
- डॉ. अनुपमा चौहान द्वारा गोबर गणेश उपन्यास के विश्लेषणात्मक अध्ययन के माध्यम से प्रोफेसर रमेश चन्द्र शाह के उपन्यास एवं गद्य साहित्य में निहित मनोविश्लेषण के शोधपरक विस्तृत परिचय को समाज हेतु सुलभ प्रयास किया गया है |
- डॉ. अनुराधा सिंह के शोध से समाज में व्यंग्य के माध्यम से बोझिल माहोल को खुशनुमा बनाकर जीवन को सरल बनाने का प्रयास किया गया है |
- Dr. Seema Soni's research on Newspaper Industry is helpful to the society in form of views of the readers, it is helpful for small newspaper industry to make them able to survive among large newspaper industries.
- Dr. Rekha Bhatt's works on empowerment of women of slum area. She motivates parents of girl child to give them education, promoting self-employment, and to make them independent.
- Students of B.Ed. have undertaken a socio-economic survey of 200 families in the nearby slum areas of Bhopal. This helped them to assess the prioritized area for development, and the strategies to face the problems of the slum dwellers.

#### **Research inputs contributing to new initiatives and social development –**

Dr. Archana Srivastava's research has initiated theoretical investigations on some important advance materials for their thermodynamic applications. It will Help in solving the energy crisis.

#### **3.4.2 Does the Institute publish or partner in publication of research journals. If yes, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database**

Yes, the institute publishes biannual interdisciplinary journal of research entitled **Highbrow**-ISSN No. 2350-1154 but not yet listed in international database. The members of editorial board are as follows:

- Dr. Sudha Pathak (Patron)
- Dr. Shampa Malhotra (Editor in chief)
- Dr. Archana Srivastava (Associate Editor)
- Dr. Megha Singh (Associate Editor)
- Dr. Rekha Bhatt ( Member)
- Dr. Manisha Tripathi ( Member)
- Dr. Sunita Yadav ( Member)
- Dr. Asha Agarwal ( Advisor)
- Dr. Binay Rajaram ( Advisor)

The research journal is an open access multi-disciplinary journal. It offers annual/life membership to access and publish the research findings. The members can publish their findings free of charge. Non-members can publish at the cost of Rs.200 per page. All the papers are put to blind peer review by atleast three reviewers.

### 3.4.3 Give details of publications by the faculty and students.

**Publications per faculty-** Number of papers published by faculty in peer reviewed journals (national/ international) are as follows:

Department	Publication (National)		Publication (International)		Publication in international Data base	Impact factor range
	Total	Peer Reviewed	Total	Peer Reviewed		
Physics	14	13	28	28	41	0-7.17
Chemistry	5	5	18	18	6	0-3.45
Maths	27	26	02	02	02	0-0.46
Computer Science	5	3	-	-	-	-
Botany & Microbiology	32	11	13	13	13	0-4.7
Zoology & Biotech	22	11	14	14	14	0.64-9
Commerce	7	4	7	5	1	0-0.47
Hindi	31	31	-	-	-	-
English	6	5	-	-	-	-
Political science	6	6	3	3	-	-
Economics	1	1	-	-	-	-
History	1	1	-	-	-	-
Sociology	4	1	-	-	-	-
Psychology	1	1	-	-	-	-
Home Science	2	2	-	-	-	-
Education	47	8	-	-	-	-

## Chapters in Books/ Books Edited

## 1) Dr. Binay Raja Ram

## प्रकाशित पुस्तकें

## निबंध-संकलन -

2007	'तथैव च' (म.प्र. साहित्य अकादमी द्वारा राष्ट्रीय माखन लाल चतुर्वेदी पुरस्कार तथा रा. भा.प्र.स.भोपाल का श्री हरिहरनिवास द्विवेदी पुरस्कार, प्राप्त)	साहित्य संगम प्रकाशन, इलाहाबाद - उ.प्र.	ISBN 978-81-8097-110-5
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## समूहिक निबंध संकलन —

वर्ष	प्रकाशित पुस्तक	प्रकाशित निबंध	संपादन	प्रकाशन संस्था	पृष्ठ	ISBN
2014	'वर्तमान भारतीय साहित्य - अस्मिता और चुनौतियाँ	'राष्ट्रीय अस्मिता और साहित्य'	संपा. क्रांति कनाटे	अखिल भारतीय साहित्य परिषद न्यास प्रकाशन, झंडेवाला दिल्ली जनवरी	पृ.68-70	978-81-928577-0-1
2014	'सत चित और आनंद के कवि अज्ञेय'	'नई कविता - विविध पक्ष' शोध-निबंध संग्रह	संपा. डॉ. अदिति सैकिया-डिब्रू गढ़, असम	उद्योग नगर प्रकाशन, गाजिया बाद, उ.प्र.	पृ. 96-114	978-93-80455-76-1
2014	'संत परंपरा के अद्भुत कवि संत सुंदरदास'	'संतों का साहित्यिक अवदान'	संपा. क्रांति कनाटे	अखिल भारतीय साहित्य परिषद न्यास प्रकाशन, झंडेवाला दिल्ली जनवरी	पृ. 157-162	978-81-928577-0-2
2012	'संपूर्ण निसर्ग की समरसता की प्रतीकात्मक अभिव्यक्ति है रामायण'	शोध आलेख 'साहित्य परिक्रमा' विशेषांक (पुस्तकाकार) 'भाव रूप राम'	संपा. श्री मुरारी लाल गुप्त गीतेश	अखिल भारतीय साहित्य परिषद न्यास प्रकाशन, झंडेवाला दिल्ली जनवरी	पृ.76-79	RNI-DELHIN - 2000/3061
2010	'लोक नाट्य का आधुनिक रूप है महानाटक जाणता राजा'	'भारतीय नाट्यरंग - नाट्य संबंधी शोध आलेख-संकलन ग्रन्थ	संपा. डॉ. कृष्ण मुरारी शर्मा	अखिल भारतीय साहित्य परिषद न्यास प्रकाशन, झंडेवाला दिल्ली	पृ.76-79	
2010	'निष्पक्ष आलोचना के प्रतीक पुरुष डॉ. धनंजय वर्मा'	आलेख -संकलन ग्रंथ	संपा. डॉ. आरती दुबे	साहित्य भंडार प्रकाशन, इलाहाबाद	पृ. 157-166	978-81-7779-233-1
2010	भारतीय स्वतंत्रता आन्दोलन में छायावादी काव्य का अवदान	छायावादी काव्य और उसके कवियों का अवदान	संपा. डॉ. अवधेश शुक्ल	सत्यम पब्लिशिंग हाउस, एन-3,25 मोहन गार्डन, नई दिल्ली	पृ. -20-26	978-93-80190-42-6
2004	'पचास दशकों का कविता	मूल्यांकन "AGNI HOTRA- Studies	Editor- K. K.	Published - Sharda	पृ.62-67	81-85616-

	नामा- बनाम डॉ. प्रभुदयालु अग्निहोत्री	in Indic Tradition (Prof. Prabhu Dayalu Agnihotri felicitation vol. bi-lingual )	Chaturvedi, R. K. Sharma & Gautam Bhai Patel	Publication, New Delhi		96-5
2004	'नाटक के विकास में लोक-नाटक की भूमिका'	संकलन ग्रन्थ 'हिन्दी नाट्य परिदृश्य'	(संपा. धीरेन्द्र शुक्ल)	शोध आलेख - प्रकाशन संस्थान, नई दिल्ली	पृ. 170-173	81-7714-175-9

**संपादन —**

वर्ष	संपादित पुस्तक	प्रकाशन संस्था	अंक /	ISBN
2015	'उदार चरितानां तु वसुधैकुटुंबकम्' - भारतीय साहित्य और कुटुंब	अखिल भारतीय साहित्य परिषद, झंडेवाला नई दिल्ली	2014, पृ. 3-7	978-81-928577-3-2
2014	'उजास'-भाग एक से आठ तक- हिंदी विषय की पाठ्य पुस्तकों का संपादन,	हिंदी विषय पिनेकल प्रकाशन-1865, दूसरी मंजिल, चीराखाना, नई सड़क दिल्ली	Vol. I/II/ III/IV /V also VI-VIII	978-81-928914-0-8 / 1-5 / 2-2 / 3-9 / 4-6
2014	'यादों का सफर'-कवि डॉ. अरुण चंद्र पाण्डेय द्वारा रचित गजल संग्रह	सप्तवर्णी कला साहित्य सृजन पीठ, भोपाल	पुस्तक	
2010	'साहित्य परिक्रमा' साहित्य-त्रैमासिकी के 'नारी विशेषांक'	प्रमुख संपादक, अखिल भारतीय साहित्य परिषद न्यास प्रकाशन, झंडेवाला दिल्ली -	नवम्बर	RNI, DELHIN-2000/3061
2006-2008	'रचना' साहित्यिक त्रैमासिकी	- म.प्र. हिन्दी ग्रन्थ अकादमी/उच्च शिक्षा विभाग (सह संपादन)	पत्रिका	
2006-2008	'पूर्वग्रह', आलोचना त्रैमासिकी,	भारत भवन प्रकाशन, सह संपादन-	पत्रिका	
1995-2007	'दिव्या' महाविद्यालय पत्रिका की 12 वार्षिकांकों का संपादन	'स्वतंत्रता स्वर्ण जयन्ती विशेषांक' एवं 'महाविद्यालय रजत जयन्ती विशेषांक' सहित,	पत्रिका	
1998-2004	कक्षा पाँचवी, छठवीं, सातवीं की हिन्दी पाठ्यपुस्तकों का संपादन	राज्य शिक्षा केन्द्र भोपाल द्वारा प्रकाशित	पुस्तक	
2004	मधुचक्र सामूहिक बहुभाषी कविता संकलन,	अखिल भारतीय साहित्य परिषद् भोपाल का प्रकाशन	पुस्तक	

**कविता संग्रह —**

वर्ष	प्रकाशित पुस्तक	प्रकाशन संस्था	ISBN
2014	'स्वर्ग का द्वार'	सृजन भारती प्रकाशन, इलाहाबाद	978-93-82959 00&7
2012	'उत्तर दो सप्तवर्णी', का गुजराती अनुवाद 'आपो उत्तर ओ सप्तवर्णी'	मध्यप्रदेश तुलसी साहित्य अकादमी प्रकाशन, भोपाल	978-93-81028-11&7
2011	'अठखेलियों'- शिशु गीत संकलन	उमेश प्रकाशन, इलाहाबाद, उ.प्र.	978-81-88494-69-9
2007	'किसी को तो शिव बनना होगा'	अरविन्द प्रकाशन, आगरा	978-81-88492-51-0

## कहानी संग्रह —

वर्ष	प्रकाशित पुस्तक	प्रकाशन संस्था	ISBN
2012	‘चुगली की सजा’	(बाल कथा संग्रह) – पार्वती प्रकाशन, गोविन्दपुर, इलाहाबाद	81-89056-07-7
2011	‘जंगल का राजा’ (बाल कथा संग्रह)	–शिवम् प्रकाशन, इलाहाबाद	978-81-904166-4-2
2007	‘जंगल का वह नन्हा शहीद’	(बाल कथा संग्रह), राष्ट्रीय प्रकाशन, भोपाल	81-89350-579
2007	‘परिवर्तन’ (बाल कथा संग्रह),	राष्ट्रीय प्रकाशन, भोपाल	81-89347-34-9
2004	‘बौना बरगद’	(बाल कथा) आलोक प्रकाशन, इलाहाबाद (उ.प्र.)	81-902597-7-6

2) **Dr. Sriji Seth**

- a) Book: Indian Society: Issues and problems

Chapter: “Dilemma of tradition and modernity- the Indian society”

ISBN 978-81-87364-49-8

- b) Book: Urban Society in India

Chapter: “ Political Socialisation”

ISBN 978-81-87364-64-1

3) **Dr. Neena Arora**

- a) Book: Pollution: The ugly face of Environment. Published by Discovery Publishing House Pvt. Ltd.(2011)

Chapter: “ Biofertilizer: An ecofriendly input for sustainable agriculture”

ISBN 978-81-8356-810-4

- b) Written self instructional material for M.Sc. chemistry, for MP Bhoj open university

4) **Dr. Charanjeet Kaur : 2 Chapters**

- a) Book: Pollution: The ugly face of Environment. Published by Discovery Publishing House Pvt. Ltd.(2011)

Chapter1: “ Soil composition, pollution and management”

Chapter2: “Soil reaction and fertility with reference to N,P,K”

ISBN 978-81-8356-810-4

- b) Edited self instructional material for. M.Sc. Chemistry(prev. and Final) 6papers - MP bhoj open university.

5) **Ms. Snigdha Dutta**

Chapters of mathematics for XI of Pathya Pustak Nigam, M.P. Board

6) **Dr. Archana Srivastava**

First Chapter in Text book of physics for class XI of M.P. board of secondary education,Bhopal,

7) **Dr. Renu Mishra**

- a) Book: Prayogik Vanaspati Vigyan- B.Sc. I Year Published by Hindi Granth Academy
- b) Chapter in book ( Padap Jagat Ek Vihangam Drishti ) for B.Sc. III year Published by Hindi Granth Academy.
- c) Edited self instructional material for. M.Sc. Botany(prev. and Final) 12 papers and one paper for biology for chemist M.Sc. chemistry(prev.) MP bhoj open university.

8) **Mrs. Abhilasha Kumar**

Edited study material for Operating System & Computer Networking of M Sc. (Computer Science) - MP Bhoj Open University

9) **Dr. Smita Nair**

Written one paper on self instructional material for M.Sc. (prev.), maths, for MP Bhoj open university

10) **Dr. Shalu Saxena**

Written one paper on self instructional material for M.Sc. (prev.), maths, for MP Bhoj open university

11) **Ms Pooja Kaur**

Written self instructional material for M.Sc. (prev.) chemistry for MP Bhoj open university

12) **Ms Supriya Raman**

Written self instructional material for M.Sc. (prev.) chemistry for MP Bhoj open university

13) **Mrs. Shikha Mandloi**

Written self instructional material for M.Sc. Botany(prev.) and one paper for M.Sc. chemistry(prev.) MP bhoj open university

14) **Dr. Rupa Guha Nandi**

Written self instructional material for M.Sc. Botany, MP bhoj open university

**3.4.4 Provide details (if any) of**

- **Research awards received by the faculty**
- **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**
- **Incentives given to faculty for receiving state, national and international recognitions for research contributions.**

The College has the privilege of having on its roles outstanding scholars as teachers, whose work has been recognized at national or international level.

**Research awards received by the faculty**

- Best research paper award to Dr. Archana Srivastava in Solid State Physics Symposium 2010 (SSPS 2010) organized by BARC and Sponsered by



Department of Atomic Energy (DAE), Govt of India and Board of Research in Nuclear Sciences(BRNS).

- Dr. Poornima Joshi received Best Presentation Award on a paper presented in a National Seminar, in a technical session, 2011, sponsored by UGC, organised by Career College, Bhopal.
- Dr. Neena Arora was nominated for Young Scientist Award Programme by Indian Science Congress Association, Kolkata, for the Year 1995 in Agriculture Science Section.
- Dr. Malti Joshi, Asstt . Prof. of Home Science was awarded junior research fellowship from ICAR, 1981.
- Dr. Renu Mishra was nominated for young scientist award program by Indian Science Congress Association, Kolkata for the year 1990 in medicinal microbiology section.
- P.H. Gregory Award was awarded to Dr. Renu Mishra in the field of Aerobiology in October 1987 in National Aerobiological Conference at Bodh Gaya.

### **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**

#### **Department of Physics**

- Dr. Jyotsna Galgale
  - Resource person for teacher training institute of M.P. Board of Secondary Education.
  - Member board of studies in physics in Barkatullah University from 2009-13.
  - Life member of Indian Physics Association and Indian Science Congress.
- Dr. Archana Srivastava
  - Biography listed in 23<sup>rd</sup> Edition of Marquis Who's Who of the world in 2009.
  - Life member of Indian Physics Association and Thermophysical Society of India, Magnetic society of India, Indian Academy of Sciences.
  - Resource person for teacher training institute of M.P. Board of Secondary Education.
  - Shikshak Samman in 2013 by Rotary International club of Bhopal.

#### **Department of Chemistry**

- Dr. Charanjeet Kaur
  - Invited as Chief Guest to deliver Key Note Address at National workshop on Women Water and Environment Org. by Zakaria PG College Aurangabad in 2010
  - Invited as panelist in "Meet the Scientist" program organized by Regional Science Centre on National Science Day on 28.02.2011
  - Treasurer, ISCA, Bhopal Chapter from 2009 to 2012.
  - Invited as Resource person to deliver talk on Computation Chemistry in Oct. 2011 at National Conference on Condensed Matter & Material Physics org. by Govt. MLB PG (Autonomous) College, Bhopal.

- Recognized research guide of Two Universities(BU and Bhoj)
- Associate Editor of Research Journals:
  - Current World Environment
  - Journal of Environmental Research and Development
- Dr. Neena Arora
  - Supervisor for Ph.D. degree of Chemistry in BU.
  - Empanelled as faculty /guide for PGDEM course in EPCO institute of environmental studies
  - Resource person/ subject expert for Ph.D. course work in chemistry for Atal Bihari Bajpai Hindi Vishwavidyalaya, Bhopal.
  - Invited member in M.P.P.S.C. Workshop for Syllabi of State Service Main Examination.
  - Resource person for teachers training workshop of M.P Board of secondary education Bhopal.
  - Chairperson for I technical session of International conference Land Water Resources, Biodiversity and Climate Change from 16th to 18th Feb 2010 at BSSS Bhopal.
  - Invited speaker in various workshops
  - Fellow of Indian Chemical Society
  - Life Member Indian Science Congress association( ISCA) Kolkata
  - Life member Indian Society of Analytical Scientists

#### **Department of Zoology and Biotechnology**

- Dr. Asha Agarwal
  - Member of board of studies: zoology, barkatullah university (2006-2008). Biotechnology (2010-2013 and 2013-15)
  - Life member of Indian Science Congress association (ISCA) Kolkata.
- Dr. Rupa Guha Nandi
  - Member of Indian Science Congress association (ISCA) Kolkata
- Dr. Sunita Yadav
  - Member of Indian Science Congress association (ISCA) Kolkata
- Dr. Renu Srivastava
  - Registered Guide under BU.
  - Member of Indian Science Congress association (ISCA) Kolkata
  - Life member of Experimental Zoology, India
  - Life member of National Journal of Life Sciences, India
  - Member board of studies in Zoology in Barkatullah University, 2013-16.
  - Supervisor for Ph.D. degree of BU in Zoology.
- Dr. Parul Saksena
  - Member of Indian Science Congress association (ISCA) Kolkata
  - Member of association of Microbiologists of India
- Ms. Khyati Shrivastava
  - Member of Indian Science Congress association (ISCA) Kolkata
- Mrs. Mamta Joshi
  - Member of Indian Science Congress association (ISCA) Kolkata

### **Department of Botany and Microbiology**

- Dr. Renu Mishra
  - Supervisor of Ph.D. in Botany and Microbiology, BU Bhopal
  - Member board of studies in Microbiology in B.U. Bhopal 2009-till date
  - Member board of studies in Botany in B.U. Bhopal 2009-2014
  - Member for examination committee in Botany and Microbiology 2012-13
  - Member- Ph.D. examination in Botany & Microbiology 2012, 2013, 2014
  - Resource Persons in different workshops
  - Life Member of Indian Science Congress Association (ISCA), Kolkata

### **Department of Maths**

- Ms. Snigdha Dutta
  - Member board of studies in Mathematics in Institute for Excellence in Higher Education (IEHE), Bhopal
  - Life member of Indian Science Congress association (ISCA) Kolkata
  - Resource person in different workshops
  - Resource person of TTP of M.P Board of Secondary Education
- Dr. Smita Nair
  - Member board of studies in Mathematics in Institute for Excellence in Higher Education (IEHE), Bhopal
  - Member of Indian Science Congress association (ISCA) Kolkata
  - Member of Vijnana Parishad of India
- Dr. Shalu Saxena
  - Member of Indian Science Congress association (ISCA) Kolkata
  - Member of Vijnana Parishad of India

### **Department of Computer Science**

- Mrs. Abhilasha Kumar
  - Member board of studies in Computers in Barkatullah University, Bhopal, 2009-12, April 2014-17

### **Department of Home Science**

- Dr. Shubha D. Kapdev
  - Member board of studies in Home Science in Barkatullah University, Bhopal, 2009-14
  - Member board of studies in Home Science in Govt. MLB girls college, Bhopal.
  - Life Member of :
    - Indian Dietetic Association.
    - Association of Food Scientist and Technologist.
    - Indian Home Science Association of India
- Dr. Malti Joshi
  - Member board of studies in food science and technology in :
    - IEHE, Bhopal
    - Govt. MLB girls college, Bhopal

- SNGGPG (Autonomous), Bhopal
- Life Member of :
  - National Institute of India,
  - Association of Food Scientist and Technologist, India,
  - Home Science Association of India

#### **Department of Commerce**

- Dr. Sudha Tripathi
  - Life Member of All India Association for educational research.
  - Life Member of Indian science congress association
- Dr. Poornima Joshi
  - Life Member of All India Association for educational research.
  - Life Member of Indian science congress association
  - Life Member of Indian Accounting Standard, Bhopal Chapter.
- Dr. Meena Parashar
  - Life Member of All India Association for educational research.
  - Life Member of Indian science congress association
- Dr. Seema Soni
  - Life Member of Indian Accounting Standard, Bhopal Chapter.

#### **Department of Political Science**

- Dr. Sudha Pathak
  - Member board of studies in Political Science in BSSS College, Bhopal 2013-till date,  
IEHE, 2014 till date, Bhopal
  - Life member of All Indian Political Science Association
- Dr. Shriji Seth
  - Member board of studies in political science in :
    - SNGGPG Bhopal, 2011-12
    - Makhanlal University, 2010-11
    - Pt. Kunjilal sansadiye vidyapeeth, 2000-till date
  - Member
    - AIDS control board, 2006- till date
    - NSS university unit, 2011-12
    - NSS State award Committee, 2011-till date
  - Recognized as member of advisor committee of NSS in Anand Vihar college, Bhopal
- Dr. Harsha Chaturvedi
  - Life member of All Indian Political Science Association

#### **Department of Economics**

- Dr. Neena Chatterjee
  - Member of Central Board of Studies for Economics, 2010-11, (nominated by higher education)
  - Member Board of studies in BU, 2009-13

- Member of examination committee for economics, 2011

### Department of Sociology

- Dr. Shakuntla Jain
  - Life member of Rajasthan sociological association, MP sociological asso., Mahaveer international Society.

### Department of Music

- Ms. Sangeeta Goswami
  - Awarded “ kal ke kalakar”, 2009, by Abhinav kala parishad, Bhopal
  - “Savitri Bai Phule Rajya Seva Samman”, 2010
  - “Nayika Award”, 2011
  - Approved artist with B High Grade (classical vocal) by Prasar Bharti (All India Radio and Doordarshan)
  - Awarded silver medal in 14th National Youth Festival, 2009.

### Department of English

- Dr. Shampa Malhotra
  - Member of Central Board of Studies for English, 2004-14
  - Member, Board of Studies for English for BU, 2009-14

### Department of Hindi

- Dr. Binay Rajaram
  - Registered Guide under BU
  - 2014 “श्री राजेंद्र अनुरागी स्मृति बाल साहित्य सममान 2013”- बाल कल्याण एवं बाल साहित्य शोध केंद्र , भोपाल
  - 2013 “राष्ट्रीय तुलसी राम साहित्य सम्मान”- “टी.आर. नेमा फाउंडेशन , नरसिंह पुर, मध्यप्रदेश
  - 2011 “सक्री बा स्मृति पुरस्कार”, नई कविता हेतु ‘किसी को तो शिव बनना होगा’, हिन्दी लेखिका संघ म.प्र., भोपाल।
  - 2009 “तथैव च” निबंध संकलन पर साहित्य अकादमी म.प्र. संस्कृति परिषद का राष्ट्रीय माखनलाल चतुर्वेदी पुरस्कार।
  - 2009 “स्व. शकुन्तला दुबे सम्मान” (नई कविता) – कादंबरी साहित्यिक /सांस्कृतिक संस्थान, जबलपुर (म.प्र.)
  - 2009 “केशरबाई सोनी स्मृतिराष्ट्रीय साहित्यांचल शिखर सम्मान”-साहित्यांचल, भीलवाड़ा (राजस्थान)
  - 2008 “तथैव च” निबंध संकलन पर श्री हरिहरनिवास द्विवेदी पुरस्कार, राष्ट्रभाषा प्रचार समिति, भोपाल
  - 2007 “गंग देव, गुलाब राय सम्मान” अखिल भारतीय हिन्दी विकास परिषद, विधुना, ओरेया – तृतीय सम्मान समारोह
  - 2006 ‘भारती भूषण अलंकरण’, राष्ट्रीय राजभाषा पीठ, इलाहाबाद 14 सितम्बर
  - 2006 वीरांगना सम्मान’, मातृशौर्य दिवस, संस्कार भारती महानगर, ग्वालियर 19 नवम्बर
- Dr. Anupama Chauhan
  - Pavaiya Pandulipi Puraskar By Kala Mandir Bhopal-2006

- First Prize in prashanmanch & Chitrakakala Pritiyogita-2006 by Tulsi Manas Sansthan Bhopal

### **Department of Education**

- Dr. Saroj Gupta
  - Registered Guide under BU.
  - Recipient of Maa Sharda National Award for Women Empowerment in National Education & Extension Congress, 2014.
  - Certificate of appreciation award In National conference March,2009
  - Life member of All India Association for Educational Research
  - Life member of Council for Teacher Education
  - Life member of All India committee for Eradication of Illiteracy among Women

### **Incentives given to faculty for receiving state, national and international recognitions for research contributions.**

There is no such provision.

## **3.5 CONSULTANCY**

### **3.5.1 Give details of the systems and strategies for establishing institute-industry interface**

Our college runs a Career Guidance & Placement cell under the government scheme named Swami Vivekanand Career guidance cell which communicates and invites different companies from time to time for placements of eligible students to fulfill their requirements. The cell keeps in touch with the pass-out students of the college who are presently working in the Companies through alumni association. As per requirement, the eligible students are also advised to mail their biodata. Experts from various fields are invited to interact with the students and to appraise them of the different career opportunities.

### **3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?**

With the permission of the governing body faculty members can utilize their expertise for consultancy services.

### **3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?**

The institution encourages the staff to utilize their expertise for guiding the research oriented JOP for the final year of U.G. and P.G. classes. Some of the departments are guiding students for such projects. For example Department of Botany, Biotech, Microbiology, Computer Science & Application, Chemistry and Education. Dr. Renu Mishra provides Flowering and Fungal Calendar of Bhopal to Pulmonary and respiratory physicians to correlate pollen and fungal allergies of patients.

### **3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years?**

Revenue generated during the last four years by different departments:

Year	Department	Revenue Generated
2014-15	Botany & Microbiology	Rs.27,000/-
2013-14	Zoology & Biotechnology	Rs.12,800/-
2013-14	Botany & Microbiology	Rs.12,000/-
2013-14	Computer Science & Application	Rs.8,000/-
2012-13	Zoology & Biotechnology	Rs.6,000/-
2012-13	Botany & Microbiology	Rs.10,000/-
2012-13	Computer Science & Application	Rs.9,000/-
2011-12	Zoology & Biotechnology	Rs.10,000/-
2011-12	Botany & Microbiology	Rs.9,000/-

### **3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved; Institution) and its use for institutional development?**

The policy of the institution is to share a part of income thus generated with the staff (Teaching & Technical) of the respective department. The money generated is used for development of institutional infrastructure.

## **3.6 EXTENSION ACTIVITIES AND INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)**

### **3.6.1 How does the institution promote institution-neighbourhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students.**

NSS, Red Ribbon Club, Red Cross Society, Nature Is Calling You (NICY) club, units are actively functioning in the College and they have developed a well knit network with the neighbourhood through students' involvement in community development programmes and camps. They seek active participation of the community members also. Students gain knowledge related to various social issues and the techniques to address the problems. Their involvement in the community helps them not only for their overall development but also for the sustained community development. It gives wider space to the students to learn from the field. NSS, NCC & students of B.Ed. course are associated with various NGOs who work for differently abled children, under privileged women and society at large. They are involved in different extension activities like blood donation, AIDs awareness program, anti-dowry awareness drives, tree plantation, health & hygiene, medical camps etc.

### **3.6.2 What is the Institutional Mechanism to track students involvement in various social movements/ activities which promote citizenship roles?**

NSS Programme Officers, NCC Incharge and incharges of various activity societies keep track of student's involvement in various social movements/extension activities. The college strives to instill civic responsibility in the young minds of students through extension programmes and value based courses so that they develop into sensitised, socially responsible women. The college offers extension programmes in addition to those supported by the university. Students are encouraged to involve themselves in any one of these extension activities like National Service Scheme (NSS), National Cadet Corps (NCC), Youth Red Cross (YRC), World Wildlife Fund (WWF), Nature Club named "Nature Is Calling You (NICY)" in the college, and through various other NGOs like Matrachayya, Aasra, Digdarshika, and Parvarish.

### 3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The institution solicits student's perception through their feedback, parent's perception through interaction with them & alumni's perception through interaction with them at alumni meets. The parents can directly put forth suggestions and complaints to the Principal. There is provision where the parents, students and key citizens of civil society meet the Principal and members of Management to give valuable inputs regarding new courses, extra-curricular activities, innovative ideas and programmes. The suggestion boxes have been placed at convenient places to welcome all suggestions.

### 3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The institution organizes blood donation camp, medical check-up camp, health & hygiene, AIDS awareness camp, eye care camp, tree plantation, making the area in and around institute Polythene free etc. regularly under the banner of extension & outreach program. These activities positively impact student's emotional, intellectual, social & inter-personal development. By working together with other individual, students learn to initiate, communicate, negotiate and manage conflicts. Such programs sensitize students to the social issues and the problems of the society and equip them to face the challenges and real life situations. Through these outreach programmes, students also develop a practice of time-management, critical and logical analysis.

Budgetary details of the NSS and Red Ribbon club for the last four years is as follows:

S.No.	Year	N.S.S		Red Ribbon Club
		Regular Activities	Special Camp	
1.	2013-14	16,900/-	45,000/-	2,500/-
2.	2012-13	16,900/-	45,000/-	2,500/-
3.	2011-12	16,900/-	45,000/-	2,500/-
4.	2010-11	11,700/-	30,000/-	2,250/-

### 3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, YRC and other National / International agencies?

The College has NSS, NCC, Red Ribbon Club and Youth Red Cross and it works in close association with many NGOs. Students are motivated for being associated with any of the extension activities. Students are made aware of the benefits and incentives associated with extension activities. The teachers in charge for the extension activities arrange programmes in coordination with various NGOs working in the field. Two units of NSS and one unit of NCC(Army wing) is actively working in the college through which students participate in many social, cultural, and national activities. 106 students are enrolled in NCC army wing. The students actively participate in Republic Day Parade, New Delhi and in various socio-cultural activities. blood donation camp, eye-checkup camp, cyber security, traffic awareness programme, Tree plantation are some of the activities of NCC. The college organizes collegiate cultural activities every year like dance, drama, rangoli, poster, debate, creative writing etc. The winner of different competitions at the college level are sent for Inter-



Collegiate, Inter –University and National Level Competitions. Public speaking classes and communicative skills classes are conducted by the Department of English and Computer Science from time to time. Yoga Classes are conducted and awareness program regarding health and hygiene are also organized.

Around 110 Students are enrolled in NSS and they are working towards service to society under the guidance of two Program Officers. Seven days residential camp is held every year in adapted rural area. Various awareness programmes like Importance of hand washing, AIDS awareness programme, social awareness rallies, blood donation camp,, tree plantation, Polythene awareness programme, voting awareness programme, eye check up camp, breast self-examination programme are some of the popular activities of the NSS. Apart from this students and the programme officers participate in various national and international training camps and programmes.

Students of Education faculty are involved in nearby slums for upliftment of women of economically weaker section of the society. The literary and skill development are arranged for these women.

**3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable section of society?**

The institution has full empathy for under privileged students hence sincerely follows state social affirmative schemes introduced by the government for the empowerment and upliftment of under privileged community. The institution aims at the empowerment of women through value based education. Besides giving special consideration to the financially weak students of the college, the institution is involved with certain extension activities for the under-privileged women of the society. The institution also provides freeship & Books to these students. Teachers & students of Education Faculty are actively involved with literacy program along with NGO “Parvarish”. This literacy programme is associated with addressing the some of the socio-economic needs of the beneficiaries. In the adopted villages, medical camp is a regular feature during NSS camp involving free health checkup, distribution of medicines, awareness of AIDs, health & hygiene etc. We have adopted a slum near the college where the complete social survey was conducted to explore the socio-economic and literary status of women and children. The NSS volunteers and teachers of Home Science Faculty organized awareness programmes for general health, hygiene and nutrition.

**3.6.7 Reflecting on objectives and expected outcome of the extension activities organized by the institution, comment on how they complement students academic learning experience and specify the values and skills inculcated.**

Extension activities conducted by the institute always ensure holistic development of students to make them sensitive and responsible citizens. The students actively involved in these activities have been spreading awareness in the institution and motivating other students to stand for the social upliftment. Extension activities help students to imbibe national values, sympathetic attitude towards the under-privileged, spirit of co-operation and problem solving skills. Students participate in community programme which promote civic responsibilities and inculcate national values. Programmes like NSS help the students to learn to think beyond themselves. To develop an urge to do something productive for the society. By participating and organizing various programmes and projects, students develop leadership skills, good communication skills, effective decision making, time management, team work etc. Students gets a platform to interact with others & learn about their culture & traditions too.

**3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiative of the institution that encourages community participation in its activities?**

Keeping in mind the current social problems, the institution organizes various activities under NSS & NCC programmes. NSS volunteers and NCC cadets participate in various awareness programmes. They visit nearby slums & villages and organize camps. The institution has taken the initiative to create awareness through following activities:

- Environment conservation drive
- Lectures on health, hygiene & nutrition
- AIDS awareness
- Literacy awareness
- Poster competition on energy conservation
- Personality development programme
- Tree plantation
- Free medical camp
- Anti-tobacco awareness
- Anti - Female foeticide
- Anti -Dowry system
- Voting awareness
- Cultural programs with social message

The students work on one to one basis with the villages and slum-dwellers. They talk to them about their problems and suggest the importance of their participation in these programmes.

**3.6.9 Give details on the constructive relationships forged (if any)**

The institution has good relationship with NGO “Parvarish” for working on various outreach and extension activities. “Parvarish” is an NGO working for slum children. They run a museum school. They have adopted certain slums from where they take children to various museums of Bhopal every afternoon. They teach the students through the objects/displays/3-D models in the museums.

**3.6.10 Give details of awards received by the institution for extension activities and/ contributions to the social/ community development during the last four years.**

- Dr. Shriji Seth, NSS program officer of the college was selected as representative from M.P. for South – Asian Youth Peace Camp-2010, held in Bangladesh
- Dr. Saroj Gupta, Head- Department of Education is recipient of Maa Sharda National Award for Women Empowerment in National Education & Extension Congress, 2014.
- Pooja Singh, Student of M.A. Final, Political Science was awarded “State-Level Best NSS Volunteer Award 2013”

### **3.7 COLLABORATIONS**

**3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives – collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.**

There are a few official collaborations with research laboratories, institutes and industry for hands-on-training on use of equipments and other research activities. The institute regularly sends the UG and PG students for workshops, internship and job oriented research projects in some renowned research laboratory/ institutes/ industries like Pinnacle Biomedical Research Institute, Grow Tips Biotech, Genesis Institute of Biomedical Research, Environmental Planning & Coordination Organization(EPCO), Madhya Pradesh Council of

Science & Technology (MPCST), Barkatullah University, Central Institute of Plastic Engineering and Technology (CIPET), Hind Pharma, Vindhya Herbal etc.

**3.7.2 Provide details on MoUs/collaborative arrangements (if any) with institutions of national importance / other universities/ industries/ corporate (corporate entities) etc and how they have contributed to the development of the institution.**

College has signed MOUs with universities/organizations/research institute. They are as follows:

- College has signed MOU with Environmental Planning & Coordination Organization(EPCO)
- Department of Hindi signed MOU with Atal Bihari Vajpayee Hindi Vishwavidyalaya.
- Department of Political Science signed MOU with Pandit Kunjilal Dubey Sansadiya Vidya Peeth
- Department of Physics signed MOU with Department of Physics, Barkatullah University, Bhopal.
- Department of Botany & Microbiology signed MOU with Department of Microbiology, Barkatullah University, Bhopal, Pinnacle Biomedical Research Institute, Grow Tips Biotech and Genesis Institute of Biomedical Research.
- Department of Education is the study & examination center for B.Ed. students of Bhoj Open University, Madhya Pradesh.

All these collaborative arrangements results in generation of revenue and also compensate for the lack of sophisticated research facilities in the campus. On the other hand, we cater to the students of Atal Bihari Vajpayee Hindi Vishwavidyalaya and Bhoj Open University through our expertise and infrastructural resources.

**3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment /creation/ up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz laboratories/ library/new technology/ placement services etc.**

The institution interacts with research laboratories & institutes to facilitate and promote research activities. Interaction with various institutes helps the departments to organize seminars, training programmes, internship and various extension activities. Besides this, all the departments use their contacts with various organization for the internship of UG and PG students in their respective subjects.

Apart from this, different departments organize extension lectures to enhance the knowledge and awareness in the present scenario among the students and staff.

Interaction with eminent personalities from various reputed universities and industries is very useful for the creation of better academic environment for staff and students.

**3.7.4 Highlighting the names of eminent scientists/ participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.**

Department of Psychology, Sociology and Education organized UGC sponsored national seminar on “ Value Oriented Education: Status and Direction” on 24<sup>th</sup> and 25<sup>th</sup> October 2013. The details of eminent scientist / participants are as follows:

- Prof. Dwarika Rani Rao : Director, Shri Sathya Sai Institute for Higher Learning (SSSIHL), Anantpur
- Prof.T.R. Rajeshwari : SSSIHL,Anantpur
- Prof. A. K. Mittal : Prof. S.C.E.R.T.,M.P.
- Shri U.C. Jain : Additional Director, Higher education, Bhopal
- Prof. Udaya jain : Ex. V.C., APS University,Rewa
- Prof. Manju Chandra : Ex. Additional Director Academy of Administration & Management, Lucknow U.P.
- Prof. Dinesh Nagar : Barkatullah Unversity (BU), Bhopal
- Dr. Hemant Khandai : HOD- Education, BU, Bhopal
- Prof. K.N. Tripathi : HOD- Psychology, BU, Bhopal
- Prof. Neerja Sharma : Dean (Education) BU, Bhopal
- Dr. Rajani Pandey : Ex. Vice Princial, SSSCW, Bhopal

**3.7.5 How many of the linkages/ collaborations have actually resulted in formal MoUs and agreements. List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated**

- a) **Curriculum development/enrichment**
- b) **Internship/ on the job training**
- c) **summer placement**
- d) **faculty exchange and professional development**
- e) **research**
- f) **Consultancy**
- g) **Extension**
- h) **Publication**
- i) **Student placement**
- j) **Twinning programmes**
- k) **Introduction of new courses**
- l) **Student exchange**
- m) **Any other**

Examples of the established linkages that enhanced/facilitated:

**Curriculum development/enrichment** - Linkage with various agencies helped to organize some skill development programs-

- One month certificate course on “ Women Enterprenership Development Program” was organized by Chemistry Department in collaboration with Enterprenurship Development Institute (EDI) Ahemdabad sponsored by DST, Government of India.
- One month certificate course in retail trading conducted by Commerce Department in collaboration with National Skill Development Corporation (NSDC), Central Government.
- One month certificate course in training IT skill was conducted by Computer Department in collaboration with AISECT and NETLINK Bhopal

**Internship/ on the job training** - various departments use their contacts with various organizations for the internship of their students in respective subjects.

**Summer placement** - Nil

**Faculty exchange and professional development** - Nil

**Research** – Linkage of Department of Hindi with Atal Bihari Vajpayee Hindi Vishwavidyala  
**Consultancy** - Nil

**Extension** - Nil

**Publication** - Nil

**Student placement** - The staff in charge of placement have a regular contact with the multinational companies and various industries for the placement of students. As a result, WIPRO, IBM, GENPACT, ICICI Bank, Tech Mahindra, Satyam, NETLINK, Cognizant Technology Solutions etc. came forward and provided jobs for our students.

**Twinning programmes** - Nil

**Introduction of new courses** - Nil

**Student exchange** - Nil

**Any other** – Collaboration with Pandit Kunjilal Dubey Sansadiya Vidyapeeth, Bhopal for use of Library resources and training of our students for parliamentary affairs.

**3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations. Any other relevant information regarding research, consultancy and extension which the college would like to include.**

Quality sustenance and enhancement are the two major objectives of the Institution. The college makes systematic and concerted efforts to establish linkages with renowned institute, industry and research institutes. Workshops and Seminars are conducted to provide a platform for healthy exchange of ideas.

# CRITERION IV : INFRASTRUCTURE AND LEARNING RESOURCES

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## **4.1 PHYSICAL FACILITIES**

### **4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?**

The institution has internal resources and UGC development grant through which the college enhances its infrastructure. To facilitate effective teaching and learning and to make optimum use of infrastructure, the faculties/courses of the college are run in overlapping shifts.

### **4.1.2 Detail the facilities available for**

- a) **Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**
- b) **Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.**

#### **(a)Curricular and Co-Curricular actives-**

- **Classrooms** – The college has three different blocks, one for Commerce and Science, other for Arts and Education, and the third for Home Science and Music department. We have more than 30 spacious and airy classrooms for effective teaching-learning and these classrooms are available to staff and students after regular working hours for various co-curricular activities. A calm and peaceful environment is maintained around these classrooms to maintain the sanctity of the institution.
- **Technology enabled learning spaces** – 4. The department of Computer, Zoology, Chemistry and Education have technology enabled Smart-classrooms to make teaching and learning effective. Moreover, the other departments of the college also make use of those classroom as and when required.
- **Seminar Halls/Tutorial Spaces** - The college has Assembly Hall, Rajat Mandap(Girls Common Room/ Activity center of the students), Multipurpose Hall of the Hostel, which are used for various activities.
- **Laboratories** – College has 15 well equipped laboratories to facilitate practical teaching and learning. They are as follows:
  - Botany and Microbiology Laboratory
  - Chemistry Laboratory
  - Instrumentation Laboratory For Chemistry
  - Computer Laboratory for UG
  - Computer Laboratory for PG
  - Four Labs for education faculty namely, Education Methodology Laboratory, Psychology Laboratory, Educational Technology Laboratory and Work Experience Laboratory.

- Home Science Laboratory
- Language Laboratory
- Physics Laboratory
- Psychology Laboratory
- Zoology and Biotechnology Laboratory
- Instrumentation Laboratory for Biotechnology and Microbiology
- **Gardens** – The Botany Department maintains Rose Garden and a mini medicinal garden “Dhanvantri” in the campus. College campus has vast area that covers rich vegetation. Adjacent to the hostel, there is mini forest area. The campus around 2000 trees and most of them are identified and labeled. The flora of the campus attracts many local and migratory birds in our garden making it rich in biodiversity. Many seasonal flowering plants are also grown in our garden. The potted indoor plants give green touch to the whole campus.
- **Specialized facilities and equipment for teaching, learning and research etc.** – Interactive Boards, Visualizer are used for teaching purposes, Student touch panels are there to facilitate interactive learning and there are many modern equipment for research in Bio Sciences Laboratories such as autoclave, deep freezer, laminar, incubator, hot air oven, Spectrophotometer, Gel doc system, P.C.R, Soxlets etc. Latest computers with internet facility in each department to access online teaching learning resources.

**(b)Extra Curricular Activities :**

**Sports, Outdoor and indoor games** - The college has basket ball ground and a huge playground for out-door games and a hall for indoor games.

**Gymnasium** – The college has a well equipped gymnasium with multigym, joggers, trade mill, ab-crunch, twister and other modern gym equipments.

**NSS, NCC & Cultural Activities, Public speaking, communication skills development, yoga, health and hygiene etc.** –

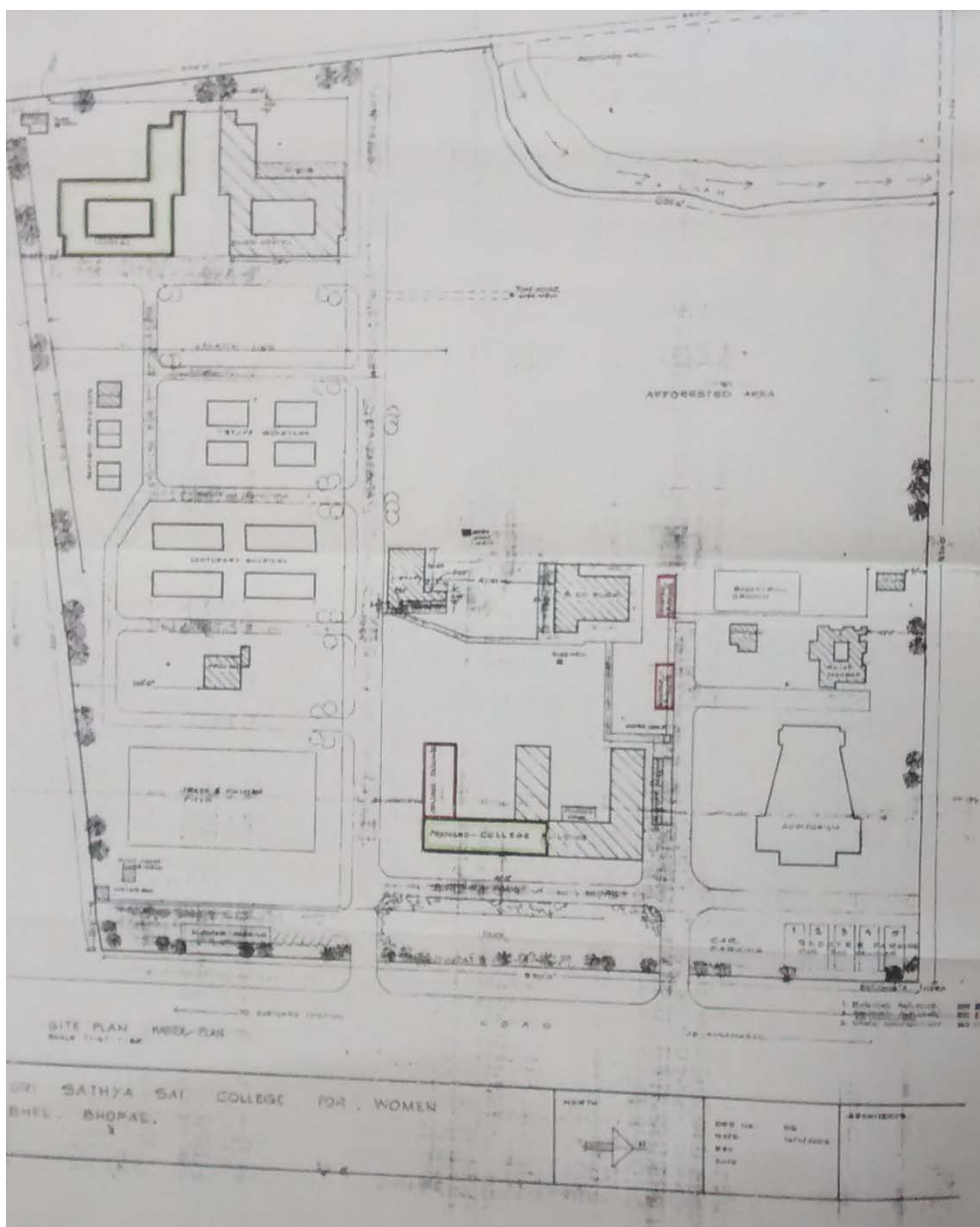
- Indoor activities of NSS and NCC are conducted in the assembly hall and Rajat Mandap and outdoor activities are conducted in the ground and actual work field.
- A Multipurpose Hall in college hostel and an open-air stage for cultural activities, public speaking and communication skills.
- 3 Public address systems are available to cater to all needs of public-speaking/announcements during cultural/literary/other regular activities of the college.
- College also has a health and wellness center where the classes on aerobics, yoga, food and nutrition, “music for soul” are held regularly. A doctor visits this center every Saturday and is available for free consultation for staff and students.

**4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).**

The infrastructure of the college has developed over the years as per the requirements of the courses/programs run by the institution. The new infrastructures/facilities are added as and when required. And obsolete resources are written-off regularly. This ensures that available infrastructure is in line with its academic growth and is optimally utilized. The college runs in

overlapping shifts to make the optimum use of resources and infrastructure. The computer laboratory is used for various purposes and by all the faculties.

### College Plan



### Facilities developed/augmented since the last visit of NAAC Peer team:

- College Central Library Building
- Biotechnology and Microbiology Laboratories
- P.G. Laboratory for Computer Science
- Renovation of Language Laboratory
- Well furnished 3 classrooms
- Sports complex and gymnasium
- Student Stationery shop
- Vehicle for transportation of students and staff.
- E-resources of N-List programme through INFLIBNET
- Solar Heater
- Water Harvesting Unit
- Vermicomposting pit
- Leased Line(BSNL)
- Interactive Boards in Computer,



- Online Kiosk
  - Intercom facility
  - Extension of vehicle stand
  - Network Resource Center
- Zoology, Chemistry and Education  
Department
- Visualizer

**Statement showing expenditure incurred on infrastructure development of college :**

Block (Assets) Head	2013-2014	2012-2013	2011-2012	2010-2011
Furniture & fixture	Nil	605489/-	425435/-	67821/-
Laboratory Equipment	Nil	1212331/-	1497626/-	Nil
Books & periodical	600/-	273221/-	668466-	6920/-
Equipments	69937/-	714221/-	395923/-	206674/-
Electrical Equipments	Nil	Nil	Nil	199080/-
Building	Nil	Nil	Nil	Nil
Others	639508/- (CAR)	1051368/- (Comp. )	59800/- (Comp. )	172400/- (Comp. )
<b>Total</b>	710344/-	3856631/-	3047250/-	652895/-

Assets procured under the scheme of Minor Research Project of UGC has not been included but those assets forms part of college infrastructure after the completion of project/research work.

**4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?**

There is a provision of wheel chair for the physically disabled students. Moreover, to cater to any such student, there classes are arranged on the ground floor and the college staff helps the student to feel comfortable. Pathways with gradual ramps are developed for easy movement of such persons.

For visually handicapped student, help is provided in converting study material and books etc. in audio cassettes and braille books, “writer” is provided in class to take notes of class-room teaching. Braille books are being procured in the library for the visually challenged students. Remedial classes are facilitated to these physical disabled students.

**4.1.5 Give details on the residential facility and various provisions available within them:**

- There is a well furnished hostel with mess facilities in the campus, which provides clean, secure and homely atmosphere to the incumbents. The hostel can accommodate 104 students. It is spacious and provided with an assembly hall, dining hall, mess, kitchen, 2 sick rooms, 2 offices and 26 rooms.
- The hostel has provision for indoor and outdoor games –carrom, chess, badminton etc. One tread –mill and jogger is provided in the hostel. As there is a well equipped gymnasium within the campus therefore, the need of keeping a separate gym in the hostel is not felt.
- There is a sick room in the hostel with basic first-aid facility. A doctor visits weekly and are available on call. Apart from this, Kasturba Hospital is nearby in case of emergency.

- There is a small library and reading room with approximately 200 books in the hostel.
- Keeping in view, the security of the girls and increasing cyber-crimes, free wi-fi facility is not given to the girls in the hostel but computer systems with dogle facility is there in the hostel which can be accessed for academic purposes with the permission of hostel warden.
- There is common room with Television for the students in the hostel.
- The hostel is looked after by two Asst. wardens and they reside within the hostel, so as to facilitate the incumbents in a better way. Safe drinking water is made available to the students and hostel staff through water cooler with Aquaguard. Solar Heater has been installed for hot water during winter days.
- 24 hour water and electricity supply is ensured through overhead tank and generator respectively.
- There is 24 hours security at the hostel gate and in the entire campus. The security guards work in shifts.

#### **4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?**

- First-aid facility is provided in the campus. Kasturba Hospital and Career Hospital are within 100m if required in emergency.
- Dr. Meera Nair visits the college every Saturday and is available for free consultation to students and staff.
- Regular health camps on eye checkup, blood group identification and Haemoglobin test, Blood donation, Bone density test, Body Mass Index (BMI) test are organized in the institute.
- Lectures on AIDS awareness, Diabetes management, food nutrition, stress management, Reiki, Yoga classes are also conducted in the college through health and wellness center.

#### **4.1.7 Give details of the Common Facilities available on the campus**

**– spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.**

The common facilities available in the campus are:

- Space for IQAC
- Space for Grievance Redressal Unit
- Space for women cell
- Space for counseling and career guidance
- Space for placement Unit
- College also has a health and wellness center where the classes on aerobics, yoga, food and nutrition, “music for soul” are held regularly.
- The College has a neat and clean canteen for the students and the staff which staff provides hygienic edible food that satisfies the taste buds of the students and the staff.
- Space for recreation and common room for girls. (Rajat Mandap). The college has a green campus for outdoor activities, a well-equipped gymnasium, basketball ground and badminton court for recreation.

- For safe drinking water Aqua-Guard water purifier and water cooler.
- The college has open/ to/ air stage with open space for in-house activities. For major activities like Annual Function, BHEL Cultural Hall and Gyan Vigyan Bhawan can be conveniently used.

## **4.2 LIBRARIES AS A LEARNING RESOURCE**

### **4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?**

College central library – “Open to all that is good and new, this Library is sure to acquire more laurels in the time to come.”

#### **Library Advisory Committee And Its Effective Functioning:-**

Library Advisory Committee formulates policies and guidelines for smooth functioning of the library. They convey the requirements of the student and staff within the purview of the Librarian and make changes in policies if required. The constitution of the advisory committee is as follows:

- Chairperson  
Sudha Pathak - Principal
- Secretary
  - a) Miss Khushboo Vishwakarma - Librarian
- Members of the committee:
 

▪ Dr. Shakuntala Jain	HOD of Sociology
▪ Dr. Asha Agrawal	HOD of Zoology and Biotechnology
▪ Mrs. Snigdha Dutta	HOD of Mathematics
▪ Dr. Jyotsna Galgale	HOD of Physics
▪ Dr. Binay Rajaram	HOD of Hindi
▪ Dr. Shampa Malhotra	HOD of English
▪ Dr. Renu Mishra	HOD of Botany and Microbiology
▪ Dr. Neena Arora	HOD of Chemistry
▪ Dr. Sudha Tripathi	HOD of Commerce
▪ Smt. Abhilasha Kumar	HOD of Computer
▪ Smt. Neena Chaterjee	HOD of Economics
▪ Miss Poornima Malviya	Asst. Librarian
- Student Members of the committee:
 

▪ Mahima Tiwari	M.Com III Sem
▪ Priyanka Sachan	M.Com I Sem
▪ Urmila Kaithal	M.A. II Sem Political Science
▪ Rajkumari	M.Sc.III Sem Mathematics

The committee takes decisions on the following:

- Long term policy for augmenting the library resources.
- The policy of lending books.
- Emergency procurement of books.

**4.2.2 Provide details of the following:**

\*Total area of the library (in Sq. Mts. )

\*Total seating capacity

\*Working hours (on working days, on holidays, before examination days, during examination days, during vacation)

\*Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

Details of the College Library :

- The Library has a huge self- sufficient complex spread over **10, 000 sq m.**
- It consists of a huge **reading–cum-reference** hall with the seating capacity of 80 students at a time on ground floor. The first floor is reserved for P.G. and research students.
- Library is open from **8. 00 A.M. to 5. 30 P.M.** on all working days and on **Sundays from 12 P.M. to 4 P.M.**
- There is a Network Resource Centre which was initiated in June 2012. Students make extensive use of computer for making presentations, project work and internet surfing. Maximum of 15-20 users can access internet in a day. Both student and staff are allowed to access internet, OERs, e-books and e-journals through INFLIBNET

**4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.**

Library makes all purchases with two types of grants: -

- Annual College Grant to cater to annual subscription of magazines, journals, newspapers, e-resources and other emergency purchase of books due to change in syllabus or induction of new courses.
- UGC grant available under Five Year Plans for purchase of text books, new prints, latest volumes of existing books and reference books for all departments.

Total number of books purchased in the library in the last four years:

Library Holding	2010-11		2011-12		2012-13		2013-14	
	No.	Total Cost	No.	Total Cost	No.	Total Cost	No.	Total Cost
Text Books	227	71009. 00	716	180968. 03	440	87215. 58	162	64162. 93
Reference Book	22	20881. 71	101	131599. 03	91	168934. 12	48	81379. 71
Journals	26	16165. 00	30	27005. 00	49	74250. 00	48	65685. 00
Magazines	56	25674. 00	57	25110. 00	57	21014. 00	50	26694. 00

**4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?****Access to the Library Collection:-**

- **OPAC:** The library has **Online Public Access Catalogue**, which is available on computer terminals in library; users can search documents by author, title and related topics.
- **Federated Searching tools to search articles in Multiple Database: Federated search** is an information retrieval technology that allows the simultaneous search of

multiple searchable resources. This allows a user to search multiple databases at once in real time.

- **Library Website:** The library doesn't have a separate website. The profile of the library with available books, journals and facilities is available in the college website.
- **Inhouse/remote access to e-publication:** INFLIBNET is available through N-List programme,
- **Library Automation Activities:-**
  - Library is completely automated.
  - All the Library housekeeping operations have been computerized.
  - Library database has all the books and journals etc.
  - All the books are being Bar-coded.
  - Library users are issued a bar-coded ID card.
  - Library is also using the Bar-code technology at the circulation desk for issue and return transactions.
  - All computers are connected through Local area Network (LAN).
- **Total number of computers for public Access:** Two Computers for public access.
- **Total number of printers for public Access:** One printer for public access.
- **Internet Band width/ Speed :**Internet connectivity with 2mbps bandwidth capacity is available in the library.
- **Participation in Resource Sharing network/Consortia:** Participation in Resource Sharing network/Consortia like INFLIBNET is in available through N-list programme. Under this programme, the students and staff of the college can access more than 97,000 e-books and 6,000 e-journals worldwide.

#### 4.2.5 Provide details on the following items:

- **Average number of walk-ins** - 60-80 Persons per day.
- **Average number of books issued/returned** - 40-50 Books Per day.
- **Ratio of library books to students enrolled is** – 26:1
- **Average number of books added during last three years** - 1558 Books.
- **Average number of log in to OPAC** - 20-25 per day.
- **Average number of login to e-resources** – 5-10 per day.
- **Average number of e-resources downloaded/printed** - 3-5 per day
- **Number of information literacy trainings organized** - 01
- **Details of weeding out:-**
  - 1185 books have been written off.
  - Books not used, beyond repair and superseded books whose new editions have appeared are weeded out from the collection.
  - Subject wise computerized lists of the weeded out books is prepared and sent to the various departments. After the approval of the departmental heads, the list is sent for the approval to the library committee, and then the books are discarded from the library.

#### 4.2.6 Give details of the specialized services provided by the library

**Manuscript:** Nil

#### Reference

Library houses all important reference sources like Encyclopedias, Dictionaries, handbooks and Manuals, Statistics, Yearbooks. The collection ranges from general to subject specific sources. All the reference sources are housed in the ground floor Reference section. Users can also contact staff on duty for any assistance.

### **Reprography**

The library facilitates the photocopying requirements of the students by offering Reprographic facilities in the Library itself.

**ILL (Inter Library Loan Service):** The college has an MOU with Pandit Kunjilal Sansidya Vidyapeth

**Information deployment and notification:** All important information regarding closing and opening time of library, issue-return schedule of books, list of newly inducted books are notified through notices on the notice board of the college and library

**Download:** Library gives download facility through internet.

**Printing:** Printing facility is also available.

**Reading List/ Bibliography Compilation:**

**Inhouse/remote access to e-publication:** Remote access to e-publication through N-List programme of INFLIBNET

**User Orientation and awareness:** In the beginning of each new session, the students are given an orientation and awareness regarding the rules and regulations of the library, the library collections, the various facilities offered by the Library and a detailed sketch of all the housekeeping operations.

**Assistance in searching Databases:** Library provides information to assist in searching database facilities through:

- Title Search
- Author Search
- Search by Accession number

**INFLIBNET/ IUC facilities:** E-resources through INFLIBNET are available.

#### **4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.**

The Library has a competent and professionally qualified staff, always eager to cater the needs of the students and the teaching staff. The library believes in the principle of working with mutual co-operation and co-ordination. Therefore, there is calm and peaceful environment in the library that facilitates reading and learning. Apart from this, the library staff is cordial and supportive enough to help users in browsing the e-resources and also in locating books, journals, newspaper etc. of their need and thereby saving user's time.

#### **4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.**

Library offers a wheel chair and personalized attention to physically challenged persons. Some books are available in CDs and audio-cassettes, books in braille are being procured for the visually challenged students.

#### **4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)**

Library keeps and maintains register for user's feedback. The feedback on the facilities and services of library are collected from students through the feedback form. The suggestions and feedback is monitored by the library advisory committee. Library services are constantly updated and evaluated to best serve library users. Library also attempts to harness the library user in the design and implementation of library services by encouraging their participation.

Feedback for the improvement in library facilities and functioning is also provided by the feedback committee.

**Highlights:-**

- Library follows Dewey decimal classification scheme for classification.
- It has vast collections of books to be referred for Competitive examinations.
- Lending facilities to all faculties on all working days.
- CCTV Camera to monitor activities in the Library.
- Has a special collection of Religious Literature.
- Yearly updating of stock through regular purchases.
- Have a selective collection of over **32,407** books, reference books, back volumes of periodicals and a few Thesis.
- Subscribes to around **98** Magazines and Periodicals.
- Safe drinking water.

**4.3 IT INFRASTRUCTURE**

**4.3.1 Give details on the computing facility available (hardware and software) at the institution.**

**Hardware Facilities:** 113 Computers, 8 Laptops, 29 Printers, 4 smart boards, 2 LCD Projectors, 1 visualizer, Online UPS for computer laboratory, 1 Router, 1 modem, 1 wi-fi device, 3 switches.

**Software Facilities:** All necessary Softwares like Windows, Linux, M.S.Office, Open Office, Adobe photoshop, pagemaker, dreamweaver, Microsoft Visual Basic, Visual Studio, ASP framework, latest versions of Java, netbeans, Oracle 10g, Turbo C & C++, etc. and Quickheal installed on 32systems which are connected to internet.

**Computer-Student Ratio:**

**B.C.A., P.G.D.C.A., B.Sc.(Biotechnology), M.Sc.(Biotechnology) and M.Sc.(Computer Science)– 1:1**

**B.Sc.(Computer Science) – 2:1**

**B.Com with Computer Application – 3:1**

**Stand Alone Facility :** Power backups in Computer Laboratory.

**LAN Facility :** Independent Leased line(BSNL).

**Wi-fi Facility :** Available in Computer Science Department.

**Licensed Software :** Yes

**Number of Nodes/Computers with Internet Facility:** 32

**4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?**

Every department in the college has computer with internet facility which is available to the students and the staff as well. Since we are living in the era of technology, everyone has mobile, tab, or laptop at their respective places with internet facility, so the necessity of providing internet by the institution, off campus is not felt. Moreover, teachers and students are well connected with each other through email and other social networking sites, which facilitate communication. The inmates of the hostel also have access to the internet.

**4.3.3. What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

The institution has plans to increase the number of latest computers, smart class rooms in the College. Institution is also planning for stand-alone facility in the form of server for file sharing among different departments, and availing library resources within the college.

**4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Yearwise for last four years)**

Details of Provisions Made in Annual Budget for procurement, up gradation deployment and maintenance of computers:

	Year							
	2010-11		2011-12		2012-13		2013-14	
	Budget estimate in Lacs	Actual budget in Lacs	Budget estimate in Lacs	Actual budget in Lacs	Budget estimate in Lacs	Actual budget in Lacs	Budget estimate in Lacs	Actual budget in Lacs
A) Provisions	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
B) Actual Expenditures								
B.1) Procurement Purchases	Nil	1.74	Nil	Nil	Nil	10.51	Nil	Nil
B.2) Upgradation & Maintenance	0.75	0.69	0.69	0.55	0.75	0.29	0.75	1.98

**4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?**

The institution has audio-visual aids, LED, CRT television, OHP, Smart classroom, computer with internet LCD projector, which is used by staff to facilitate teaching and learning process. The ICT resources are used by all the faculties as and when required. Moreover, the staff communicates with the students and provides information about their respective subjects through e-mails and networking groups and through the college website. The institution has well-equipped laboratories for Physics, Chemistry, Botany, Zoology, Biotechnology, Computer Science, Home Science, Psychology and Education. The staff also motivates the students to prepare power point presentations on their respective subjects so as to make them familiar with ICT tools. To upgrade the computer aided teaching/learning skills and for extensive use of ICT facilities, the college deputed its staff to attend MHRD sponsored



workshops through National Mission on Education through ICT and organized by IIT Mumbai.

**4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching- learning resources, independent learning, ICT enabled classrooms/learning spaces etc. ) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.**

There is a paradigm shift in teaching learning. The student has now become central to the learning experience and the teacher only acts as a facilitator. Keeping in mind student centric learning the college reorients its teacher as and when required and encourages them to undergo training on computer aided teaching skills. The college has been conducting workshops for the teachers on the use of computer/ internet/ smart class/ LCD facilities etc. The computer faculty is always available for any need based assistance in the use of ICT. The students are encouraged to access online learning resources that promote independent learning. They are encouraged to prepare assignment on popular and current topics of their respective subjects and to access information through internet. The teacher exposes them to e-learning and orients them to the requisites to access e-resources.

**4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?**

The institution plans to avail National Knowledge Network connectivity either direct or through the affiliating University.

#### **4.4 MAINTENANCE OF CAMPUS FACILITIES**

**4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?**

The institution ensures optimal allocation and utilization of the available financial resources for maintenance and upkeep of the building, furniture, equipment, computer, vehicles, etc.

Details are as follows --

	<b>Budget allocation in last 4 years</b>							
	<b>2010-11</b>		<b>2011-12</b>		<b>2012-13</b>		<b>2013-14</b>	
	Budget Allocated	Actual Expenditure	Budget Allocated	Actual Expenditure	Budget Allocated	Actual Expenditure	Budget Allocated	Actual Expenditure
Building	8.00	16.82	10.00	11.93	6.00	10.18	6.00	6.5
Furniture	1.00	0.05	0.06	0.44	0.06	0.11	0.50	0.02
Equipment	0.75	0.69	0.69	0.38	0.69	0.71	0.50	0.68
Computers	0.75	0.69	0.69	0.55	0.69	0.29	0.75	1.98
Vehicle	-	1.44	-	2.16	1.64	2.16	3.00	0.85
Electrical /Any other	0.75	0.63	0.63	0.99	0.63	0.45	1.00	1.98

**4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?**

The college has a Maintenance Committee for upgradation and maintenance of infrastructure facility and equipments. On the basis of the development plan and the suggested department requirements the Principal proposes the infrastructural augmentation needs to the concerned authorities. The UGC sanctions funds based on the nature of academic programs offered and the student strength. The college development fund is utilized for maintenance and repair of furniture and equipments. The building committee prepares the proposal and estimates the cost of the construction project and submits it to the head of institution. The management approves and allocates the funds. An effective monitoring system through various committees ensures optimal utilization of the allocated budget. The college has full time administrative officer, electrician, mechanic, and lab technicians etc. who take care of the maintenance needs. The administrative officer takes care of the regular purchase needs.

**4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?**

It is done every year for sophisticated equipments.

**4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc. )? Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.**

For the constant supply of water the institution has tube well and open well. Voltage stabilizers and generator are provided in the hostel. Voltage stabilizers are also provided in the college. They are maintained through the AMC's of respective company from different agencies. For pure drinking water, water coolers with Aquaguard are installed in a number of places in the campus. For conservation and re-use of rain water there is a provision of water harvesting. It has raised the level of water table of the area. In the hostel solar heater are used as alternative source of energy.

# CRITERION V: STUDENT SUPPORT AND PROGRESSION

## 5.1 STUDENT MENTORING AND SUPPORT

**5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?**

- The institution publishes its updated prospectus annually. The college prospectus provides a complete profile of the college and all other necessary information
- The prospectus has detailed information of admission process, college working days, and the fee structure for various courses/programmes. The rules and regulations which the students need to observe during their stay in the college are also mentioned in it.
- The handbook contains the list of the facilities being provided to the students. Besides this the college handbook also contains the information of the teaching faculty along with the non-teaching staff. This helps the students to know about the college staff.
- A brief introduction of the college, its aims and objectives, facilities available, which is published in the college prospectus, is updated on the college website [www.srisatyaiaedubpl.org](http://www.srisatyaiaedubpl.org) from time to time.
- A separate prospectus for hostel containing hostel detail is also available.

**5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?**

College provides scholarships to economically weak students in the form of free ship and sister concession. There are some sponsored scholarship for the poor students of Arts faculty. The financial aid is given to the student every year in the month of March. Following Table illustrates the details of financial assistance received from the institution:

Year	S.No.	Name of the scholarship	No. of beneficiaries	Amount	Total
2010-11	1.	Free Ship	41	236710/-	417227/-
	2.	Sister Concession	29	170782/-	
	3.	Other Scholarships*	8	9735/-	
2011-12	1.	Free Ship	42	196909/-	389793/-
	2.	Sister Concession	26	181022/-	
	3.	Other Scholarships*	5	11862/-	
2012-13	1.	Free Ship	72	163464/-	360774/-
	2.	Sister Concession	29	183580/-	
	3.	Other Scholarships*	8	13730/-	
2013-14	1.	Free Ship	49	177640/-	387420/-
	2.	Sister Concession	29	196800/-	
	3.	Other Scholarships*	11	12980/-	

\* Scholarship given in the memories of late. Smt Pratibha Shukla, late. Shri K.P. Shukla, Late. Shri S.C. Mehta and late. Shri T.C. Chajed.

### 5.1.3 What percentages of students receive financial assistance from state government, central government and other national agencies?

The state government has various scholarships to assist the students of SC, ST, OBC, Minority category, meritorious girls from villages under “Gaon ki Beti” scheme, Meritorious students of general category and economically weaker students under “Merit-cum-Means”. The students who belong to the economically weaker sections of the society is provided financial assistance. Scholarship is received from the State Govt. and other private agencies. Nearly 10-20% students of the college get benefit from these scholarships. Apart from this, the college management felicitates meritorious students by rewarding them with cash prize and a sponsored gold medal is given to the best student of the faculty. Following table illustrates the details of financial assistance received from the Central/State government/Private autonomous bodies like Sitaram Jindal Trust, Delhi:

#### 2010-11

S.NO.	Name of the scholarship	No. of beneficiaries	Amount(Rs.)
1	ST	07	21,370/-
2	SC	39	2,75,910/-
3	OBC	101	4,32,395/-
4	Gaon Ki Beti	22	1,10,000/-
5	Vikramaditya	08	25,410/-
6	Minority	-	-
7	Pratibha Kiran	-	-
8	Merit cum Means	-	-
9	Jindal	27	80,000/-
TOTAL		(204) 14.59%	9,45,085/-

#### 2011-12

S.NO	Name of the scholarship	No. of beneficiaries	Amount(Rs.)
1	ST	08	35800/-
2	SC	27	208860-
3	OBC	45	214800/-
4	Gaon Ki Beti	24	120000/-
6	Vikramaditya	06	22170/-
7	Minority	-	-
8	Pratibha Kiran	-	-
9	Merit cum Means	-	-
9	Sitaram Jindal Trust	16	61500/-
TOTAL		(126) 9.07%	6,63,130/-

#### 2012-13

S.NO	Name of the scholarship	No. of beneficiaries	Amount(Rs.)
1	ST	09	25,100/-
2	SC	32	1,74,310/-
3	OBC	86	3,07,337/-
4	Gaon Ki Beti	17	85,000/-
5	Vikramaditya	-	-

6	Minority	05	30,000/-
7	Pratibha Kiran	-	-
8	Merit cum Means	-	-
9	Sitaram Jindal Trust	17	1,00,500/-
TOTAL		(166) 12.01%	7,22,247/-

**2013-14**

S.NO	Name of the scholarship	No. of beneficiaries	Amount
1	ST	06	(Scholarship Awaited)
2	SC	28	(Scholarship Awaited)
3	OBC	161	(Scholarship Awaited)
4	Gaon Ki Beti	26	1,30,000/-
5	Vikramaditya	-	-
6	Minority	08	48,000/-
7	Pratibha Kiran	12	60,000/-
8	Merit cum Means	02	6,000/-
9	Sitaram Jindal Trust	07	22,200/-
TOTAL		(250) 19.65%	2,66,200/-

S.NO	SCHOLARSHIP	PERCENTAGE			
		2010-11	2011-12	2012-13	2013-14
1	STATE GOVERNMENT	12.66%	7.91%	10.78%	19.10%
2	CENTRAL GOVERNMENT	-	-	-	-
3	NATIONAL AGENCIES	1.93%	1.16%	1.23%	0.55%

**5.1.4 What are the specific support services/facilities available for**

- Students from SC/ST, OBC and economically weaker sections
- Students with physical disabilities
- Overseas students
- Students to participate in various competitions/National and International
- Medical assistance to students: health centre, health insurance etc.
- Organizing coaching classes for competitive exams
- Skill development (spoken English, computer literacy, etc.,)
- Support for “slow learners”
- Exposures of students to other institution of higher learning/ corporate/business house etc.
- Publication of student magazines

The institution is committed to provide the students every possible help and support so they can acquire excellence in academics and behaviour. The college, as stated earlier, was set up with a mission of imparting holistic education. The institution for this purpose provides the following support facilities to its students:

**Students from SC/ST, OBC and economically weaker sections:**

The students who belong to SC/ST, OBC and the economic weaker sections are identified during the process of the admission. The college maintains a detailed record of the same. These students are provided every possible help during their stay in the college. The college offers liberal concessions to such students. Besides this, scholarships and concessions are also

given to such students by the State Govt., and other private agencies. The college management too is very thoughtful regarding such students. College provides freeship to the needy students. Special UGC sponsored remedial classes are held after regular college classes and their progress is assessed with in-house test for slow learners. Teaching is in both the English and Hindi medium.

**Students with physical disabilities:**

There is reservation for physically challenged students as per Higher Education notifications. Our institute has a very small number of physically challenged students. Their requirements and needs are given a special care and attention. The college ensures that infrastructure facilities meet the requirement of the students with physical disabilities. For such students, it is ensured that they don't have any physical obstruction. The institution is committed to accommodate them on the ground-floor for their classes. Wheel chair is provided and ramp are built in the college for easy movement. For visually handicapped student, help is provided in converting study material and books etc. in audio cassettes and braille books. "Writer" is provided in class to take notes of class-room teaching. Braille books are being procured in library for the visually challenged students. Remedial classes are facilitated to these physical disabled students.

**Overseas students:** No such students in the institution till date.

**Students who participate in various competitions/National and International:**

The affiliating university takes care of these students by providing them sports uniform, T.A. and D.A. for attending various competitions and there is a provision for special diet also. The college provides certificate and memento to these students as incentive. Concession by way of attendance is given. Guidance is given and study material is provided to make up for their lost classes. The students who miss their final examinations on account of participation in republic day camp, any national/international level sports/NCC/NSS event; there is a provision of special exams for them.

**Organizing coaching classes for competitive exams:**

The coaching for communication skills, resume preparation, group discussion, interview skills, short term computer courses is provided to needy students. Special classes are also organized for student as per their requirement after they clear any preliminary competitive exam or test.

**Medical assistance to students: health centre, health insurance etc.:**

Our College has a very special concern for the health and hygiene of the college students, staff and other members. For this the college organizes lectures by inviting doctors of Kasturba Hospital, BHEL, Bhopal. Lectures are also organized on nutrition and balanced diet according to age and Basal Metabolic Rate (BMR). Proper arrangement of drinking water is assured in the college campus at different locations (Aquaguard purified drinking water). Arrangement for first aid is available in office, physical education dept., Zoology and Biotechnology department. Health checkup camps are organized at regular intervals.

**Skill development (Spoken English, Personality Development Program, Technical Certifications etc.)**

The college regularly conducts personality development programs which enhances the IQ level and communication skills of the participants. The college also invites guest speakers from the industry who apprise the students of regional and global employment opportunities.

**Support for "slow learners"**

Slow learners are identified in the beginning of the session. The institution conducts extra classes in different subjects to enhance their understanding of curriculum. Examinations are also held to test their knowledge received during the classes. Books from departmental book

bank are provided. Congenial atmosphere is created in the department where the slow learners feel comfortable and get support in Lab sessions and academics from advanced learners.

#### **Publication of student magazines**

The college publishes its annual college magazine “**Divya**”. The students of the college very enthusiastically contribute with their articles in the magazine. The college magazine is printed in the supervision of the college editorial board. Students of some departments are publishing their own departmental newsletter :

- “Bio Illuminati” was released by B.Sc. Biology students.
- “Spandan” was released by B.Sc. Maths students.

#### **5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.**

Entrepreneurship development is a compulsory paper in all UG classes. Besides this the college encourages and develops entrepreneur skills among the students in following ways-

<b>Category</b>	<b>Department</b>	<b>Service Provided</b>
Entrepreneur skill	Zoology Department	Hands-on training to students to work on entrepreneur skill for production of bio-fertilizer and inoculants to biodegrade Polythene, plant tissue culture training, water analysis etc.
	Zoology Department	Hands-on training to students on recycling of paper vermi-composting, water analysis, pest control, palaeontology, animal diseases their identification and treatment and preservation of animals
	Botany & Microbiology Department	Hands-on training on Bonsai, study of medicinal plants, phytochemical analysis, antimicrobial activity of herbal extract, study of phyllosphere mycoflora, biofertilizer production, dairy industry, vermicomposting, vegetative propagation.
	Chemistry Department	1 month workshop “Women Entrepreneurship Development Programme” by National Science & Technology Entrepreneurship Development Board, DST.
Skill Development	Additional Skill Development Program (ASDP)	Foundation course in Communicative English and IT, Skill Development Course in Selected job areas.
	IT Club, Computer Department	Total literacy program, a campaign and training program for a total IT literacy campus.

#### **5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.**

- \* additional academic support, flexibility in examinations
- \* special dietary requirements, sports uniform and materials
- \* any other

The institution is committed to attract students for participating in various extracurricular activities by ensuring consistent encouragement and motivation. The necessary facilities are

provided and adequate funds are allotted. The sports and cultural committees supervise the extracurricular activities. The students who participate in the sports activities or other extracurricular activities, teacher give them extra coaching. Special examinations are conducted by the university for the students who participate in any national/ international event or sports. Following are the support mechanism of the institution to promote student participation in extra-curricular and co-curricular activities:

- Students are especially guided individually by subject teachers, so that they perform to win in various co-curricular activities like debate, group discussion, elocution etc.
- For cultural activities like dance, drama, music students perform under the guidance of Music teacher.
- For quiz competition students are being practised by organizing such events at intra-college level.

**5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT /GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.**

The Institute has a separate support system for the students appearing and qualifying in various competitive examinations. Students who are interested and willing to appear in various competitive examinations are helped by the teachers. They are provided with study materials and notes. They are also given extra coaching. Students are allowed to have access to library and to refer the books related to entrance test. UGC sponsored free competitive classes for SC/ST/OBC are held in the campus.

**Performance in Competitive Examinations:**

S.No	Examination	Students Qualified
1.	UGC-CSIR- NET,	
2.	UGC-NET	2
3.	JRF	
4.	GATE	4
5.	SET	
6.	CA	30
7.	ICWA	2
8.	ICMR	
9.	MAT	50+
10.	State services	3
11.	Defense	1
12.	Civil Services	1
13.	Others	1

**5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)**

We follow advisor-advisee system. The teacher advisor guides the students and extends academic, personal, career and psychosocial counseling as and when required. During the course of their study students face certain problem which disturbs them and affects their performance. The advisor teacher gains the trust of her advisees so that they confide in her and seek her advice in encountering their problems. Teachers help the students to sort out their academic and career issues. Guidance for choosing the right career options is provided by Career and Placement Cell. The Psychology Department helps the youth to understand their mind and behavior and help in tackling social/psychological problems faced by them in this era.



**5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programs).**

Placement and career counseling center renders efficacious service to the students. The placement cell extends its service to the students in career guidance, organizing lectures concerning career planning and inviting companies for campus recruitment. The following services are provided in the career guidance and placement service:

**INFORMATION OF JOB OPPURTUNITIES:**

The students are informed about the vacancies offered by govt. and other agencies. The notice of the advertisement is put up on the notice board available at placement cell, hostel, library and main building on which dates, and other information regarding the placement schedule is highlighted.

**Follow up:**

The placement cell conducts campus interviews, keeps track of the results and informs the candidate accordingly.

**G.Ds/Interviews:**

The college organizes sessions of Group Discussions and mock interviews for the candidates who have succeeded in the written test. The drilling exercise takes place till the candidate is fully confident regarding his performance for the final interview.

**Campus Placement:**

The placement cell of the college invites many reputed companies for campus recruitment. The students of the institute are sent to off campus interviews also. The students selected in the last four years through campus placement drive are:

S.No	Campus	2010-11	2011-12	2012-13	2013-14	Total
1	BCA	18	13	4	3	38
2	B.Sc			2	2	4
3	B.Com	-	-	2	-	2
4	B.A	-	-	-	-	-
5	M.Sc	1	-	-	-	-

**5.1.10 Does the institution have a student grievance redress cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

Grievance Redress Cell actively interacts with the students and helps them sort out their grievances. It attends to both registered and unregistered grievances of the students. Students are also free to share their grievances with the Advisor teachers and the Principal.

**Grievances addressed:**

- Internet facility was provided in the library.
- Suggestion boxes were set up on the major locations on the campus.
- Better and improved Canteen facility is provided.
- Water purifiers were installed at major points in the college.
- Trash bins were placed in convenient places on campus.
- Provision of the gymnasium has been fulfilled.
- Photocopy and printout facility is provided.
- E-library facility in central library of the institute.
- Parking area capacity is doubled.

**5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?**

This is an all-women's college. So far no case of sexual harassment has been reported. Strict discipline and vigilance of the college authorities keeps all such problems at bay.

**5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

The college has established an anti-ragging committee as per the instructions of the Department of Higher Education, Government of M.P. The University has made it mandatory for the institutions to incorporate in their prospectus, the anti-ragging directions of the Central Government. Till date no incident of ragging has been reported.

**5.1.13 Enumerate the welfare schemes made available to students by the institution.**

The institution ensures social justice through the various students' welfare schemes. The induction program clearly presents the welfare schemes available to the students. The following welfare schemes are made available to the students:

- Library facilities- in the central as well as in the departmental libraries.
- Health and wellness Center: Classes of Yoga & Aerobics are organized free of cost.
- Well equipped gymnasium
- One month special martial art training is imparted to students at minimal charges.
- Advisor advisee system for counseling of students to address their personal as well as other problem within the college
- Scholarships - Details about the various scholarships are displayed on the notice board of the institution.
- Counseling & Placement Service: The counselors reach out to the students formally and informally by advisor advisee system. The placement cell extends its service to the students in career guidance, organizes lectures concerning career planning and invites companies for campus recruitment.
- Canteen: The college canteen provides wholesome food to the students. The college has a canteen committee which keeps an eye on the working of the canteen. As and when any change or reform is required, the committee immediately comes into action.
- Grievance Redressal Cell: Grievance Redress Cell actively interacts with the students to help them to sort out their grievances. It attends both registered and unregistered grievances of the students.
- Personality development and social outreach through NSS/NCC and other extra-curricular activities.
- Special voter ID card drives to include all eligible students in the voter list.

**Academics**

- Remedial classes for slow learners
- Book Bank for meritorious and needy students.
- Personality development programs
- Classes for communicative skills in English.

**Sports and Cultural**

- Special diet/ refreshments are given to students participating in interuniversity and intercollege sports and cultural activities.
- NCC and NSS volunteers are provided refreshment and commuting charges.

**Social and Financial**

- Scholarships and freeships given to meritorious and needy students.
- Free 3-day residential camp based on Indian Culture and Spirituality is organized in the college every year to inculcate values and positive thinking among students.

**Other Facilities****Computer facility center**

- MP online KIOSK to help the students for admission, filling of examinations forms, enrollment etc.
- Photocopying facility

- Stationery store

**5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?**

The Alumni Association was established in the year 2003. The association organizes programs like tree plantation, blood donation camp, visit to old age home and orphanage to distribute food, medicine, clothes and give them company and listen to their experience. Members of the association also participate in the annual camp based on Indian Culture and Spirituality, the association organizes its annual meet in December for its members and staff of the college. The aluminis present vivacious cultural programs, which is followed by dinner.

**5.2 STUDENT PROGRESSION**

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlights the trends observed.

Student progression in %	2010-11	2011-12	2012-13	2013-14
UG to PG in College	18%	12.5%	12%	14%
UG to PG to other institutes	50%	60%	62%	63%
PG to M. Phil.	-	-	-	-
PG to Ph. D	1%	1%	1%	1%
Employed	2%	1%	1%	1%
Other than campus recruitment	18%	16%	15%	19%

More students now opt for higher studies after completion of their UG/PG programme than going for employment.

5.2.2 Provide details of the program wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish program-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

For comparative analysis of college results with other college of Bhopal, kindly refer table of Criterion II (2.6.2).

Pass Percentage and Completion Rate of U.G.

Year		B.A.	B.Com.	B.C.A.	B.H.Sc.	B.Ed.	B.Sc.	
							Maths	Bio.
2010-11	Pass Percentage	100 %	99.5%	100%	100%	100%	100%	100%
	Completion Rate	91%	92.07%	96.4%	100%	100%	83.3%	95.5%
2011-12	Pass Percentage	100%	98.3%	100%	Zero Year	100%	100%	100%
	Completion Rate	86%	96.3%	86.6%		100%	87.8%	100%
2012-13	Pass Percentage	100%	99.5%	100%	100%	97%	100%	100%
	Completion Rate	90%	84.3%	81.25%	100%	97%	88.3%	90%
2013-14	Pass Percentage	100%	98.9%	100%	100%	Zero	100%	95%
	Completion Rate	65.7%	90.52%	94.8%	100%	Year	94.1%	90.4%

Pass Percentage(PP) and Completion Rate(CR) of P.G.

Year		M.Sc.					M.Com.	M.A.			
		Maths	Zoology	Biotech.	Chemistry	Comp.Sc.		English	Hindi	Pol.Sc.	History
2010-	PP	100%	100%	100%	90.9%	100%	100%	100%	75%	100%	100%
11	CR	100%	66.6%	68%	83.3%	100%	100%	50%	75%	100%	100%
2011-	PP	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
12	CR	100%	80%	92%	100%	100%	94.1%	100%	100%	100%	80%
2012-	PP	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
13	CR	100%	100%	88.7%	100%	100%	100%	100%	100%	100%	50%
2013-	PP	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
14	CR	100%	100%	75%	75%	90.9%	100%	40%	100%	100%	100%

### 5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The institute organize lecture to facilitate all round student development and make them aware of higher level of education. The institution facilitates the modern teaching learning academic program according to the present competitive job employment market. They are motivated to participate in workshop which improves their job prospects in future.

Lectures on career opportunities in different fields are conducted. Eminent personalities from diverse fields are invited to interact with the students. To enhance the potential of student personality development programmes are organized.

Arrangements of hand-on training, dissertation, internship, visit to industries etc. have motivating effects on the personality of the students.

### 5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

Special support & guidance is being provided to students to reduce the risk of failure/dropout. The slow learners are identified on the basis of their performance in the internal assessment tests. Counseling is given to weak students who are prone to the risk of failure. Extra classes are arranged for them, financial support is provided, books and study material is also provided. Above all their morale is boosted and they are encouraged to think positive.

## 5.3 STUDENT PARTICIPATION AND ACTIVITIES

### 5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Besides academic achievements our students participate enthusiastically in sports, cultural and other extracurricular activities. Our students have been participating in various levels of tournaments and events. Our students have excelled in sports and have won laurels for the institution. To facilitate sport activities the college provides exquisite infrastructural facilities with all basic amenities. We have large playgrounds and provision for basketball, volley ball, table tennis, Kho Kho and indoor games like carom, chess, etc. We maintain a gym and health club. Our students participate in youth festival program and win prizes at different level.

**EVENT GUIDE****JULY**

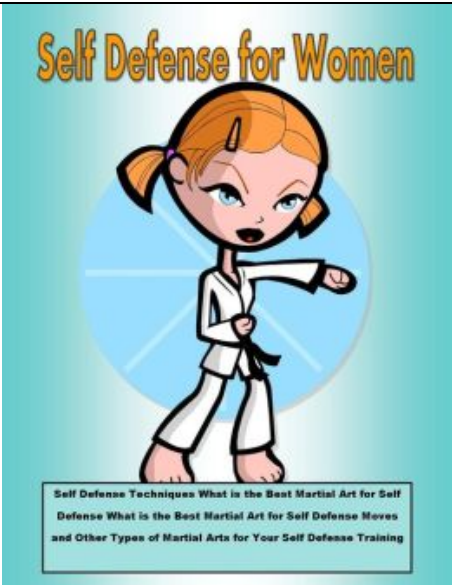


गुरुर्ब्रह्मा गुरुर्विष्णुः गुरुर्देवो महेश्वरः ।  
गुरुः साक्षात् परं ब्रह्म तस्मै श्री गुरुवे नमः ॥




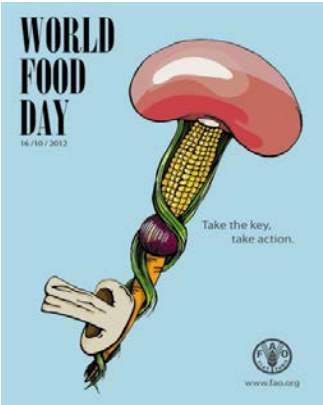
The Guru is Brahma, the Guru is Vishnu, the Guru is Shiva, the God of gods,  
the Guru is verily the Supreme Brahman. Salutations to the adorable Guru.



- Everyday Assembly
- Every thursday lecture and bhajan
- Induction programme for new incumbents.
- Introduction of all faculty members to freshers.
- Zero class from 1st to 15th july
- Advisor advisee meet
- NCC enrollment/orientation
- NSS enrollment camp
- Guru Purnima celebration
- Tree plantation by NCC/ NSS/ Environmental Cell and Botany Department.
  - NCC: CATC(Combined Annual Training Camp)
  - Yoga, Aerobics, Music and Nutrition classes

**AUGUST**




- Everyday Assembly
- Essay writing competition
- Every thursday lecture



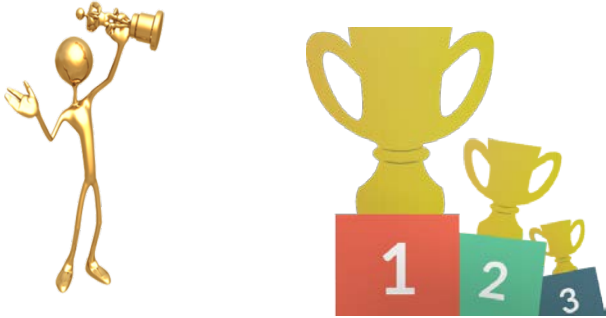

 	<p>and bhajan</p> <ul style="list-style-type: none"> <li>▪ 15th independence day celebration</li> <li>▪ Welcome party to freshers</li> <li>▪ Maithli Sharan Gupt jayanti</li> <li>▪ 1-Month Martial Art Training(1st to 30th August)</li> <li>▪ Health checkup camps</li> <li>▪ Awareness Programme</li> <li>▪ Yoga, Aerobics, Music and Nutrition classes.</li> <li>▪ Invited guest lectures.</li> <li>▪ Exhibitions.</li> <li>▪ Remedial Classes.</li> </ul>
<p><b>SEPTEMBER</b></p>	
	<ul style="list-style-type: none"> <li>▪ Everyday Assembly</li> <li>▪ Every thursday lecture and bhajan</li> <li>▪ Alumni meet on teachers day</li> <li>▪ Youth festival</li> <li>▪ Nutrition week</li> <li>▪ Hindi diwas celebration</li> <li>▪ Blood donation camp</li> <li>▪ Sports: Student participation in District level tournament(Cricket, cross country, kho-</li> </ul>


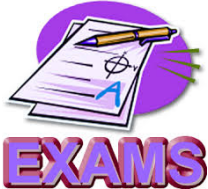


 <p>मर्ग ले खेलें हिन्दी</p> <p>हिन्दी दिवस कि हार्दिक शुभकामनाये</p>  <p>You're Invited...</p>  <p>Better Health through Better Nutrition</p>	<p>kho, chess, badminton, volley ball, basket ball)</p> <ul style="list-style-type: none"> <li>▪ NCC: CATC/IGC (Inter Group Competition) camp</li> <li>▪ Yoga, Aerobics, Music and Nutrition classes</li> <li>▪ Debate &amp; Elocution Competitions</li> <li>▪ Continuous Comprehensive Evaluation (C.C.E.)</li> <li>▪ Remedial Classes.</li> <li>▪ 7-Days workshop on dramatics</li> </ul>
<p><b>OCTOBER</b></p>	
 <p>WORLD FOOD DAY 14/10/2012</p> <p>Take the key, take action.</p> <p>www.fao.org</p>	<ul style="list-style-type: none"> <li>▪ Everyday Assembly</li> <li>▪ Every thursday lecture and bhajan</li> <li>▪ Wild life conservation week</li> <li>▪ Celebration of world food day</li> <li>▪ 3-Days Residential spiritual camp</li> <li>▪ Youth parliament training</li> <li>▪ Poster Competition</li> <li>▪ Best out of waste competition.</li> <li>▪ Youth Festival – State level</li> <li>▪ Sports: Student</li> </ul>

	<p>participation in District level tournament (Kabbadi, wall climbing and football)</p> <ul style="list-style-type: none"> <li>▪ Debate/Elocution/Quiz Competitions</li> <li>▪ 2-Day National Seminar on “Value Based Education: Status and Direction”</li> <li>▪ Remedial Classes</li> </ul>
<p><b>NOVEMBER</b></p>	
 <p style="text-align: center;"> <b>Please Do NOT Ask me to Raise Awareness for Diabetes.</b>  <b>Please DO ask me to raise awareness for a Diabetes Meal Plan ... we can live with.</b> </p>	<ul style="list-style-type: none"> <li>▪ Everyday Assembly</li> <li>▪ Every thursday lecture and bhajan</li> <li>▪ Old age home visit by alumni association.</li> <li>▪ Diabetes awareness camp</li> <li>▪ Global bhajan in ShantiVan, Bhopal</li> <li>▪ Education trip to Puttaparthi(A.P.)</li> <li>▪ Baba’s birthday celebration</li> <li>▪ NCC: CATC camp</li> <li>▪ Practical Exams</li> <li>▪ Microteachings by the students of B.Ed. in various schools of Bhopal.</li> <li>▪ Visit of school children of BHEL township to the campus under the drive “College Chalo”.</li> </ul>



		<ul style="list-style-type: none"> <li>▪ Computer Training Programme for Teachers</li> </ul>
<p><b>DECEMBER</b></p>		
	<ul style="list-style-type: none"> <li>▪ Everyday Assembly</li> <li>▪ Semester Exams</li> <li>▪ Socio-Economic Survey in adopted slums by Department of Education</li> <li>▪ Alumni meet (Milaap)</li> <li>▪ Athletics</li> <li>▪ NCC: CATC camp</li> </ul>	
<p><b>JANUARY</b></p>		
	<ul style="list-style-type: none"> <li>▪ Everyday Assembly</li> <li>▪ Every thursday lecture and bhajan</li> <li>▪ 150<sup>th</sup> Birth Centenary celebration of Swami Vivekananda</li> <li>▪ Collective Yoga (Surya Namaskar)</li> <li>▪ Lakhsharchan(Special Puja on Sankranti)</li> <li>▪ Skill Development programs sponsored by NSDC</li> <li>▪ Intercollegiate Quiz, Debate Competitions</li> <li>▪ 2-Day Annual sports</li> <li>▪ Republic day</li> <li>▪ NCC Cadet Parade</li> <li>▪ Youth parliament</li> <li>▪ Campus Placement Drives</li> </ul>	

	<ul style="list-style-type: none"> <li>▪ Remedial Classes</li> <li>▪ Celebration of Science Day</li> </ul>
<p><b>FEBRUARY</b></p>	
 	<ul style="list-style-type: none"> <li>▪ Everyday Assembly</li> <li>▪ Every thursday lecture and bhajan</li> <li>▪ Basant panchami celebration</li> <li>▪ 7 day special NSS camp in adopted village</li> <li>▪ Skill Development programs sponsored by NSDC</li> <li>▪ C.C.E.</li> <li>▪ Health Checkups</li> <li>▪ Visit to various research institutions, industries and historical places.</li> </ul>
<p><b>MARCH</b></p>	
 	<ul style="list-style-type: none"> <li>▪ Everyday Assembly</li> <li>▪ Every thursday lecture and bhajan</li> <li>▪ 3-Day Residential spritual camp</li> <li>▪ Annual function</li> <li>▪ Traditional Day(Women's Day Celebration)</li> <li>▪ Prize Distribution to meritorious students and winners of various competitions</li> </ul>

<b>APRIL</b>	
	<ul style="list-style-type: none"> <li>▪ Everyday Assembly</li> <li>▪ Every thursday lecture and bhajan</li> <li>▪ Practical Exams</li> </ul>
<b>MAY</b>	
 	<ul style="list-style-type: none"> <li>▪ Everyday Assembly</li> <li>▪ Every thursday lecture and bhajan</li> <li>▪ Semester Exams</li> </ul>
<b>JUNE</b>	
	<ul style="list-style-type: none"> <li>▪ Environmental day</li> <li>▪ Admissions/ Summer Break</li> </ul>

**5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State /Zonal / National /International, etc. for the previous four years.**

Various college teams participate in extracurricular sports and cultural activities and bring in laurels to the college. Details are as follows:

### **SPORTS:**

#### **2010-2011**

Level	S. No.	Name of the Event	No. of Students participated	Number and Name of the student selected for next level
University	1.	Kho Kho	4	2 Ku. S. Sudha, B.Com I Sem Ku. R. Shripriya, B.Sc I Sem
	2.	Athletics	5	1 Ku. S. Sudha, B.Com I Sem
	3.	Cross Country	3	2 Ku Rachna Kandpal, B.Com III Sem
				Ku. S. Sudha, B.Com I Sem
State	1.	Kho Kho	2	2 Ku. S. Sudha, B.Com I Sem Ku. R. Shripriya, B.Sc. I Sem
	2.	Athletics	1	1 Ku. S. Sudha, B.Com I Sem
Zonal	1.	Wall Climbing	3	1 Ku. Shalini Malviya, B.Com I Sem
National	1.	Kho Kho	2	2 Ku. S. Sudha, B.Com I Sem 2. Ku. R. Shripriya, B.Sc. I Sem
				1 Ku. S. Sudha, B.Com I Sem
	3.	Wall Climbing	1	1 Ku. Shalini Malviya, B.Com I Sem

#### **2011-2012**

Level	S. No.	Name of the Event	No. of Students participated	Number and Name of the student selected for next level	
University	1.	Kabaddi	1	1	Ku. Nidhi Patel, B.Com I Sem
	2.	Kho Kho	1	1	Ku. S. Sudha, B.Com III Sem
	3.	Athletics	2	Nil	
	4.	Cross Country	1		Ku. S. Sudha, B.Com III Sem
State	1.	Kabaddi	1	1	Ku. Nidhi Patel, B.Com I Sem
Zonal	1.	Wall Climbing	3		Ku. Mamta Paswan, B.A V Sem
National	1.	Kabaddi	1	1	Ku. Niddhi Patel, B.Com I Sem
	2.	Cross Country	2	1	Ku. S. Sudha, B.Com I Sem
	3.	Wall Climbing	1	1	Ku.Mamta Paswan, B.A V Sem

**2012-2013**

Level	S. No.	Name of the Event	No. of Students participated	Number and Name of the student selected for next level	
University	1.	Kabaddi	2	1	Ku. Sapna Bhadoriya, B.Com I Sem
	2.	Volley Ball	1	1	Ku.Nidhi Patel, B.Com III Sem
	3.	Athletics	8	1	Ku.Nidhi Patel, B.Com III Sem
	4.	Cricket	5	1	Ku.Gayatri Kushwah, B.Com I Sem
	5.	Kho Kho	2	1	Ku. Nidhi Patel, B.Com III Sem
State	1.	Cricket	1	1	Ku.Gayatri Kushwah, B.Com I Sem
	2.	Kho Kho	1	1	Ku.Nidhi Patel, B.Com III Sem
Zonal	1.	Wall Climbing	5	1	Ku. Mamta Paswan, M.A Pol.Sc. I Sem
	2.	Cricket	1	1	Ku.Gayatri Kushwah, B.Com I Sem
National	1.	Wall Climbing	1	1	Ku.Mamta Paswan, M.A Pol.Sc. I Sem

**2013-2014**

Level	S. No.	Name of the Event	No. of Students participated	Number and Name of the student selected for next level	
University	1.	Basket Ball	1	1	Ku.Nidhi Patel, B.Com V Sem
	2.	Kabaddi	2	-	-
	3.	Volley Ball	1	1	Ku.Elisiba Lakhara, B.A. V Sem
	4.	Athletics	5	-	-
	5.	Cross Country	6	1	Ku.Nidhi Patel, B.Com V Sem
	6.	Kho Kho	2	1	Ku. Swati Bhadoriya, B.A. V Sem
	7.	Football	1	1	Ku. Swati Bhadoriya, B.A. V Sem
State	1.	Basketball	1	1	Ku.Nidhi Patel, B.Com. V Sem
	2.	Kho Kho	1	1	Ku. Swati Bhadoriya, B.A. V Sem
	3.	Football	1	1	Ku. Swati Bhadoriya, B.A. V Sem
Zonal	1.	Wall Climbing	3	1	Ku. Mamta Paswan, M.A. Pol. Sc. III Sem
	2.	Football	1	1	Ku. Swati Bhadoriya, B.A. V Sem
National	1.	Wall Climbing	1	1	Ku.Mamta Paswan, M.A. Pol. Sc. III Sem
	2.	Basketball	1	1	Ku.Nidhi Patel, B.Com.V Sem
	3.	Volley ball	1	1	Ku.Elisiba Lakhara, B.A. V Sem
	4.	Kho Kho	1	1	Ku. Swati Bhadoriya, B.A. V Sem
	5.	Football	1	1	Ku. Swati Bhadoriya, B.A. V Sem

**NSS**

**Two units of NSS work in the college – 2 unit (unit-1 commerce students and unit-2 all other faculties except B.Ed.). Students enrolled per unit -110**

**EVENTS YEAR WISE****2010-11****District Level:**

- Sanitation Awareness Programme – World hand washing day was organized by UNICEF in which 200 students participated.

**University Level :**

- Students participated in AIDS awareness Rally organized by Madhya Pradesh State Aids Control Society(MPSACS)
- 6 students attended peer training organized by MPSACS.

**State Level :**

- Ku. Devashri, Ku. Santoshi participated in state leadership camp at Ujjain.

**Zonal Level :**

- Ku. Rakhi Bakey participated in pre R.D Camp at Ratibad, Bhopal.

**National Level :**

- Ku. Rakhi Bakey, Ku. Pooja and Ku. Laxmi participated in 2 days youth convention camp at Guna.

**2011-12**

**University Level :**

- 11 Volunteers participated in university level camp at Panchmarhi.

**State Level :**

- Ku Pooja Singh and Ku Ankita Tomar participated in state leadership camp at Indore.
- Voting awareness program attended by program officer at Collectorate office, Bhopal. Students were selected as Ambassador for this programme.

**Zonal Level :**

- Ku Devashri participated in pre Republic Day Camp(RDC) at Andhra Pradesh.

**National Level :**

- Ku Pooja Rathore participated in National Integration Camp(NIC)
- Ku Swati Bhadoriya participated in adventure camp in Shimla at Himachal Pradesh

**2012-13**

**District Level:**

- 50 students participated in yuva panchayat.

**University Level :**

- In Tree plantation program "My earth my duty", 25 volunteers participated.
- 7 volunteers participated in T.V. Talk show on HIV/AIDS Awareness programme on DoorDarshan, Bhopal.
- Poshan ahaar saptah - Ku. Shruti Mishra got II prize

**State Level :**

- 6 students participated in state leadership camp at Narsingh garh.

**National Level :**

- Ku Saroj Kaithal and program officer Dr.Shriji Seth participated in adventure camp in Arunachal Pradesh.

**2013-14**

**State Level :**

- Ku Pooja Singh got the best volunteer state level NSS Award.
- Ku Shubangi Ranadey participated in state leadership camp.

**Zonal Level :**

- Ku Swati Bhadoriya participated in pre R.D Camp.

**NCC  
2010-11**

- 44 Cadets Participated in 5 different Combined annual Training(CAT) Camps at different places.-District Level
- Milanpreet Kaur B.Com II Sem, Rachna Kandapal B.Com II Sem and Richa Tripathi B.Sc II Sem Participated in National Interrogation Camp at Kurnool (A.P.).-National Level
- Anusha Shivastav BCA I Sem, Jitu Raja Chouhan B.Sc Sem I, Madhu Mishra B.Com I Sem, Poonam Khasdeo BCA I Sem Participated in NIC at Bilai Chattisgarh.
- Shrieen Komfort, BA IV Sem of M.P. Girls Battalion NCC Bhopal. was Conferred 'Best Cadet Awards' and cash prize of RS 3500 by NCC Cadet Welfare Society, M.P. Chattisgarh.

**2011-2012**

- Army wing of our college with 106 cadets registered their presence in Combined Annual Training (CAT) Camp
- Under Officer, Ku. Kajal Mishra selected for Republic Day Parade Delhi and she also took part in P.M. Rally and brought laurets to our college.-National Level Activities.
- Neha Singh Verma B.Com II Sem, Nidhi Patel B.Com II Sem, Diksha Malviya B.Com II Sem, Shivanji Upadhaya B.Sc II Sem Participated in National Interrogation Camp at Maihar Madhya Pradesh.-National Level.

**2012-2013**

- 70 Cadets took part in Summer Camp at Panchmari, CAT(Combined Annual Training) Camp Hoshangabad,- Manubhavan Tekri, Bhopal,- District Level.
- Nidhi Patel of B.Com III Sem Participated in Thal Sena Camp(TSC).at Delhi-National Level.
- Sucheta Bardhan B.Com III Sem and Twinkle Gohe BA III Sem. Participated in National interrogation Camp at Bihar.-National Level.
- Neha Singh Verma B.Com IV Sem, Diksha, Malviya B.Com IV Sem, Tilotma Saxena B.Com IV Sem Participated in NIC at Kerala.-National Level.
- Vessha Dubey BCA V Sem, Anjali Kewat B.Com III Sem, Alice Yadav B.Com III Sem Participated in NIC at Maihar Madhya Pradesh.-National Level.

**2013-2014**

This year also cadets took part in activities –

- Ku. Yamini Tiwari B.Com II sem and Ku. Pinki Mishra B.Com II sem participated in Directed Annual Training Camp (D.A.T.C) at Sagar(Madhya Pradesh)- State Level Activities.
- 10 days N.C.C camp from 27-07-13 to 5-08-13 held at Kolar in which N.C.C Cadets took part in District Level.

## **CULTURAL ACTIVITIES**

### **2010-11**

- College organized Youth Festival on 21<sup>st</sup> Sep, 2010 to 23<sup>rd</sup> Sep, 2010. Different events organized were rangoli, mehendi, spot-painting, collage, clay-modeling, cartooning, solo-dance, skit, mimickry etc. Students participated in the events with enthusiasm and won various prizes.
- At inter-college level, Ku. Anshul Arora of BCA SEM-I, Ku. Milanpreet Kaur of B.Com. SEM-V, Ku. Megha suman of B.Sc. SEM-III Biotech, participated in quiz competition at Extol College, Bhopal and won III prize on 27<sup>th</sup> Sep, 2010.
- Govt. Geetanjali Girls P.G. College, Bhopal conducted spot-painting, poster making, clay-modeling, collage, rangoli and cartooning on 28<sup>th</sup> Sep, 2010. Our students participated in the events.
- Other than youth festival, Ku. Megha Suman of B.Sc. SEM-III Biotech, won first prize in debate competition organized at Govt. Sarojini Naidu College, Bhopal and third prize in essay competition organized by Van Vihar National Park under “Vanya Prani Saptah”.

### **2011-12**

- College level youth festival was organized on 4-5 Nov, 2011. Students participated in different events with enthusiasm.
- Ku. Sapna Dadhore won first prize in elocution competition and represented college at inter-college level at Chitransh A.D.P.G. College and got second prize.
- At inter-college level Ku. Manju Kumawat participated in cartooning and spot painting at Hamidia College.
- Ku. Anshul Shukla participated in college competition held at Hamidia College Bhopal on 15<sup>th</sup> Nov, 2011.
- Under SPIC-MACAY Society for promotion of Indian Classical Music and Culture among youth, Odyssey dancer Ms. Kavita Dwivedi conducted a workshop for students and performed in college.

### **2012-13**

- Youth Festival at college level was organized in college on 27<sup>th</sup>-29<sup>th</sup> Sep, 2012. Students participated in various events.
- On 06<sup>th</sup> Oct, 2012, Ku. Neha Goswami of M.Sc. SEM-I Zoology participated in inter-college level solo song competition and won second prize for the college.
- On 08<sup>th</sup> Oct, 2012, students of B.Com. SEM-I and SEM-V performed group dance at Anand Vihar College and won third prize.
- Our college hosted inter-college debate competition, in which 40 students from 20 colleges participated.

### **2013-14**

- In the year 2013-14, college organized youth festival on 23<sup>rd</sup>-25<sup>th</sup> Sep, 2013, in 22 different events. Students selected at college level participated at University level in various colleges for different events.



- On 28<sup>th</sup> Sep, 2013, our college bagged first prize in group dance. Following students participated: Ku. Namrata Suryawanshi, Ku. Amrita Malviya, Ku. Arushi Gaur, Ku. Shivangi Dixit, Ku. Kajal Raghuvanshi, Ku. Palak Chouksay, Ku. Aditi Shrivastava and Nagma Mansoori.
- The same group of students participated in inter-college district level youth festival and again won first prize.
- The same group of students then performed in inter-university State level youth festival and won second prize.
- At inter-college level our student secured second position in group song in Indian classical form.
- At inter-college level our student secured third position in solo dance in Indian classical form.
- At inter-college level our student secured third position in solo classical dance.

**Students selected in other events:**

- Ku. Shruti Mishra and Ku. Sapna Dadhore won Ist prize with a cash award of Rs. 5,000/- in Debate Competition organized at Maulana Azad Nation Institute of Technology(MANIT), Bhopal
- Ku. Shruti Mishra won first prize for college in debate competition organized at Chitransh College, Bhopal.
- Students represented our college in other inter-college events like group song, solo song and solo dance competition.
- College hosted inter-college allocation competition.

**5.3.3 How does the college seek and use data and feedback form from its graduates and employers, to improve the performance and quality of the institutional provisions?**

The college has well defined mechanism of obtaining the feedback from students to improve the performance and quality of the institutional provisions. The IQAC collects the exit level feedback from UG and PG students. The PG departments have developed a link on facebook to obtain online feedback of its alumni who are employed in various organizations. The inputs from students are used to improve the quality of institutional provisions.

**5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/materials brought out by the students during the previous four academic sessions.**

The College encourages its students to publish articles in the college magazine, wall magazines. The students are motivated to express their talent through articles, paintings, and graffiti. Their creativity is given a free flight. The college magazine provides them with a platform to express their ideas. The students are also encouraged to participate in conferences seminar workshop for poster presentation. Departmental newsletters are published which involves students participation. Two newsletters have been published by the budding student editorial teams of the college, one is “Bio Illuminati” and the other one is “Spandan”.

**5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

Yes, students union is constituted in the college as per the guidelines of the Department of Higher Education, Govt. of M.P. In 2010-11 and 2011-12, Students Union was constituted by election as per the directives received from M.P. Higher Education department. The student

union includes: President, Vice President, Secretary, Joint secretary and Class Representatives. They helped in organizing all co-curricular and extra-curricular activities. For the last two years elections could not be held because of the stay order of the Supreme Court.

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

The institute believes in giving the equal opportunity to the students in supporting the authorities and the college faculty in running the affairs of the college. For this the college endeavors to provide them with opportunities to participate in the various academic and administrative bodies.

Academic and administrative bodies which have student representatives are as follows:

Administrative Bodies:

- IQAC
- Library Committee
- Discipline Committee
- Canteen Committee

Academic Bodies:

- Research Committee
- Literary Societies
- Editorial Board of College Magazine
- Clubs and Subject Societies
- Study Tour and Spiritual Trip

**5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.**

The college alumni Association meets twice a year. The association participates in the social activities of the college. The retired faculty is also invited in the meetings. This adds to the experience of the committee. Their advice is followed very promptly. They organize many events like tree plantation, blood donation camp, visit to old age home and orphanage.

# Criteria VI: Governance, leadership and Management

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## **6.1 INSTITUTIONAL VISION AND LEADERSHIP**

**6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?**

**Vision** – We envision the emancipation and empowerment of women through value based education enabling them to participate actively in the work of nation-building and social reconstruction.

**Mission** – “In this college the medium is discipline, the first, second and third languages are Love, Service and Sadhana”

A considerable number of students in this college belong to weaker section of society and to backward category. We offer education to all without fixing any cut-off list.

It is clear from the mission statement, that the emphases is on inculcating discipline with love among the students and make them aware of the importance of moral values in life. Besides imparting quality education our objective is all round development of personality and good character. The education is not just a degree to obtain but it's a lifelong endeavor (sadhana) for living a value based, meaningful life with a purpose. We encourage the students to serve the society with love. The emphasis is on disciplined and courteous behavior of students which paves the way to success in life. These values are reflected from the personality of our staff also. The high levels of dedication and discipline is the distinctive feature of our college. This value oriented tradition of the institute makes a solid foundation of the character building among citizens of tomorrow.

**6.1.2. What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?**

Sri Sathya Sai College for Women is governed by Sri Sathya Sai Education Society, a registered body. The management, Principal and faculty work in conjugation to formulate and implement its quality policy and plans for assurance and sustenance of quality in higher education. The management has some of the ardent devotees of Sri Sathya Sai Baba and emphasis is on value based education as per the Sai ideals. The dedication of the staff and high standards of education set by the educational institutions of Sri Sathya Sai trust like the one at Anantpur, Puttaparthi and White Fields, Bangalore are our role models. The Principal, the academic and administrative head of the institution, is an ex-officio member of the managing committee and evolves strategies for academic growth within the purview of university/ government regulations. The faculty participates actively in policy making and application through two representatives in the college Governing Body (GB). All committees like building committee, semester cell, IQAC, HR Cell, Academic council etc. have teacher representatives.

The Principal is the head of the institution and she bears the ultimate responsibility for the smooth running of the college. She is responsible for both academic and administrative functioning of the college. She prepares the agenda for GB meeting and is also responsible for executing its decisions. The management encourages the participation of the staff in the process of decision making for institutional functioning. Different committees with teacher representatives and members from non-teaching staff play a significant role in the planning and implementation of activities in different spheres of institutional functioning. Principal's

interactions with stakeholders, faculty, non-teaching staff, students and guardians also play an important role. Information available in student feedback and self-appraisal of teachers also help the authorities to plan strategies.

**6.1.3. What is the involvement of the leadership in ensuring :**

- **The policy statements and action plans for fulfillment of the stated mission**
- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**

**The policy statements and action plans for fulfillment of the stated mission:**

The Management follows participative procedure to insure that policies for all academic matters are in accordance with the mission of the intuition. The policy is "service with smile and discipline". These policies are conveyed through staff council meetings of the college. The college follows decentralize governance even at bottom level, which helps to accomplish the vision and the mission.

**Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan:**

The principal of the institution prepares the action plan in consultation with the respective heads of the departments, which are followed by all the faculties. The management also ensures flexibility in the action plans in order to accommodate new and latest ideas. Action plans are as follows:

1. Strict discipline is observed in terms of punctuality of students and staff to the campus and to class rooms.
2. Discipline inside the classrooms, labs and in the campus.
3. Student centric teaching and other facilities in the campus.
4. Fixed days for outings and mandatory healthy routine to be followed by the hostel inmates.
5. Love and care to all students through Advisor-Advisee system.

**Interaction with stakeholders**

The college makes conscious efforts to build a healthy relationship with its stakeholders namely –students, parent, alumni, and industry. The college interacts with the students; the faculties meet the parents through parents teachers meet. The NSS and the extension activities of the college connect the institution with the society. The management ensures the open door policies for interaction with the various stakeholders so that they can freely express their views, suggestions or grievances to the management.

**Students**

Interaction with the student is initiated with induction program held on the first day of the session. The students are oriented and familiarized with the institutional ethos. A common assembly prayer is held after which the principal delivers a welcome speech. They get a brief introduction of all the welfare schemes available in the college. This gesture make the student feel that they are a part of the institution. They are introduced to all faculty members and apprised of their portfolios. A time slot is fixed for the students to meet the principal. The principal meets the office bearers of the Student Union when required to discuss issues related to students.

### **Alumni**

The alumni meet and the network established on facebook enables the ex- student to remain connected with the institution. They continue to contribute to the overall development of the institution through the provision of becoming life members of the Alumni Association and giving their suggestions/ guidance to the new entrants of the institution.

### **Parents**

Parent teacher meetings are organized to apprise the parents of their ward's performance and to get a feedback on the various aspects of the college. Grievances from the parents are carefully noted and prompt action is taken to resolve them.

### **Industry**

Linkages have been developed with industries and their involvement in college activity is encouraged. MOUs have been signed with the industries regarding campus placement and industrial training.

### **Society**

The institution values the opinion of the society and its suggestions for the betterment. The Principal makes specific efforts to reach out to the public and interact with them whenever possible. The press is invited to all programmes of the institution to make public the achievement of the institution.

### **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**

Policy and plans of the institution get directives from the controlling authorities like University, M. P. Government, UGC and NCTE. The feedback received from stakeholders is shared with the management in order to ascertain a control on the quality of education. Student follow up programme, where all students' details like attendance percentage, monthly test marks, feedback etc. are recorded. This also facilitates to record the student progress for further action.

### **Reinforcing the culture of excellence**

The college started in the year 1974 with 21 students and 5 female teachers. The college has strived hard to inculcate the culture of excellence there by achieving, at present, the strength of about 1300 students. The management has created strong work ethics and support system for faculty and students. Participatory leadership is insured at every level to promote the culture of excellence. Transparency in governance and service with love and devotion is propagated by the top management that creates an atmosphere where everyone strives for excellence.

### **6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective Implementation and improvement from time to time?**

The college makes policies and plans for the all round development of students. All the policies are communicated to the staff in staff council meeting. Policies which are related to the students are communicated to them by the various departments in the common assembly. Besides the staff council meeting, departmental meetings are also conducted at regular intervals to insure that the policies are properly implemented.

The student representatives of various faculties meet the department Heads to give feedback regarding implementation of the policies and plans. Suggestion boxes have also been kept to get continuous feedback of students regarding teaching and other faculties.

IQAC also monitors the functioning of college as whole and individual departments of their weakness and challenges. The policies and plans are need based and put for consideration in the GB meeting by principal for implementation.

**6.1.5 Give details of the academic leadership provided to the faculty by the top management?**

The top management is in regular contact with the principal who in turn remains connected to the HOD's of the departments. Frequent staff council meetings are conducted where the staff members are allotted their duties both academic and non-academic. The teachers are made aware of the fact that they have full freedom to develop their own methods and resources to improve teaching and learning. The students are also motivated to participate in co-curricular, extra-curricular and extension activities so that they get wider exposure facilitating all round development. The staff members are also held accountable for the duties assigned to them.

**6.1.6 How does the college groom leadership at various levels?**

All the students of the college are compulsorily enrolled in one of the nine activity societies. They are motivated to take initiatives in all the co-curricular activities along with the academic activities. Seminars, workshop and presentations etc. are organized on a regular basis which gives them an opportunity to enhance their communication and leadership qualities. Entrepreneurial skills development programmes are organized to bring-out the leader in them. The college also conducts programs on personality development and value education. The faculty is encouraged to participate in various faculty development programs and motivated for doing individual and collaborative research. The management also assigns additional task which is communicated to the teacher in staff meetings. These tasks help the staff to enhance their leadership skills. Students are encouraged to publish their own newsletters and wall magazines, create awareness in the campus through posters. They organize welcome party for new comers and farewell parties for final year students. This helps to develop independent working and leadership skill.

**6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?**

The college has 6 faculties which are under the preview of faculty head. The roles, responsibilities and accountability are communicated to the staff at the time of their appointment. Thereafter frequent meetings are conducted in which performance analysis is done by taking feedback of the work done. The Heads of departments of all faculties have full authority to take decision related to their respective departments at their own level. The HOD's consult the staff of their own department for taking crucial decisions related to the department. Guidance from the principal is taken whenever required. Thus a total decentralized governance system is adopted in the institution. Administrative powers and responsibilities are delegated to teachers on the basis of their competence, commitment and aptitudes to meet the institutional objectivities. The principal with the support of HODs and various committees participate in decision making to enhance the quality of educational provisions.

**6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.**

Yes, the college does promote a culture of participative management. The college is a grant-in-aid private college which is governed by College Governing Body(GB). The GB in the policy making body. It has educationalist, professionals, philanthropist, donor members, government representatives, University nominees and Executive Director, BHEL as members. The constitution of the GB is as follows:

S.NO.	NAME & ADDRESS	DESIGNATION
1.	Dr.(Smt.) Meena Pimpalpure	Chairman
2.	Shri Jamboo Bhandari	Co-Chairman
3.	Shri Mahesh Vithaldas	Donor Member
4.	Executive Director, BHEL	Member
5.	Shri S.K.Sachveda	Member
6.	Shri Bharat Jhawar	Member
7.	Dr. U.C. Jain	M.P. Govt. Nominee
8.	Prof. KalikaYadav	University Nominee
9.	Prof. K.B. Panda	University Nominee
10.	Dr.(Smt.) Shobhana Shrivastava	Teacher's Representative
11.	Dr.(Smt.) Rekha Bhatt	Teacher's Representative
12.	Dr.(Smt.) Sudha Pathak	Ex-Officio Member Secretary

The college is governed by participative management for the administrative, academic and co-curricular activities. The Chairman GB communicates the decisions of the managements concerning academics, finances and other developmental activities through the principal who constitute different committees involving faculty members for effective implementation of the decisions taken. Teachers play a significant role in the planning and implementation of the development procedures. The student union is involved wherever necessary. Infrastructural developments are planned in consultation with the faculty keeping in mind their requirement. Planning and decision making in financial matters rest with the management and the principal.

## **6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT**

**6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?**

Yes, the institution has a formally stated quality policy which is based on the vision, mission and values on which the institution was established. Quality policies are student-centric. The policies are developed by the management and the Principal, driven by the mission and the vision of the college. Our quality policy can be stated in these words

We are committed to impart highest standards of education with moral, ethical and human values via the route of Love, Service and Sadhana. Innovative teaching-learning processes are the back bone of this institution to develop the employability, global competence, intellect and reasoning ability of our students. Excellence is our motto in all areas of curricular and co-curricular activities in the College.

The quality policy is defined and communicated to the students and teachers through student council meeting and staff council meeting.

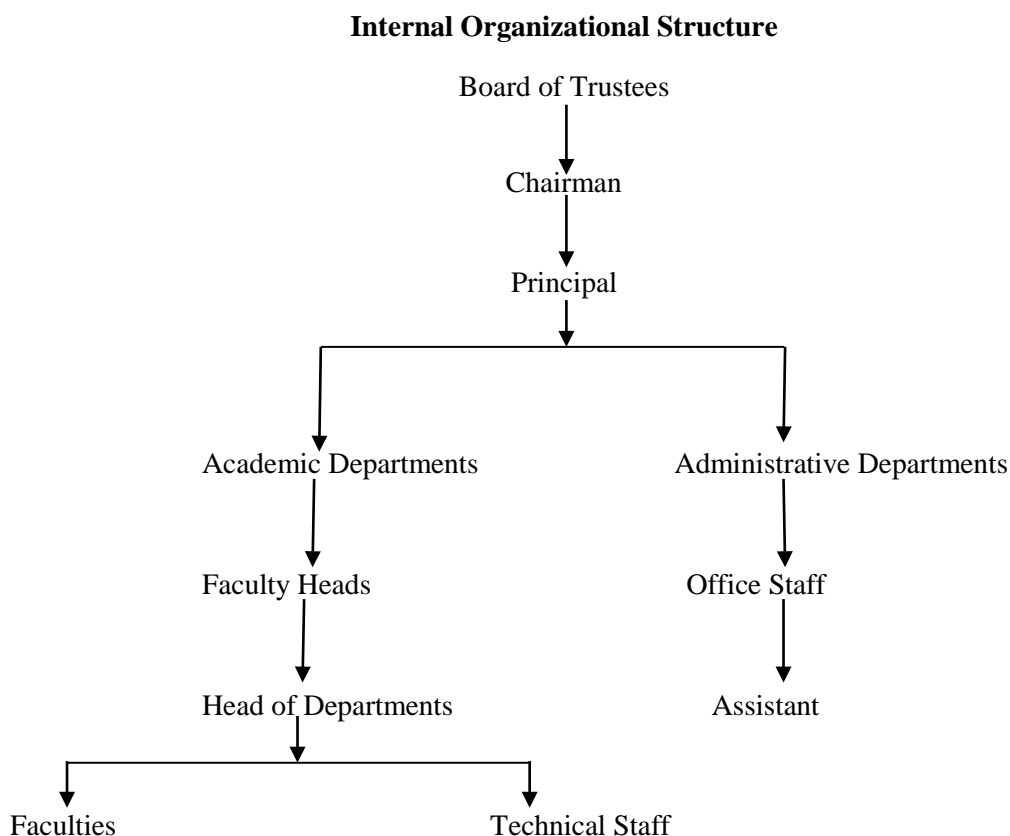
**6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

Yes the institution has a perspective plans for development in future. The perspective plan is prepared beforehand which is then continuously administered for implementation. All the departments are required to have a thought process for perspective plan. The following are the prospective plans for the future.

- To start B. Com (Honors).
- To start L. L. B. , B. A. - L. L. B. Courses
- To start M. Sc. - Microbiology
- To start M. B. A.
- To start some professional/diploma/certificate courses.
- Construction of auditorium and lecture hall
- To build additional toilets

**6.2.3 Describe the internal organizational structure and decision making processes.**

The top management along with principal formulates the policies which are implemented by the Faculty heads, through Head of the departments and office in charge. Internal organizational structure is as shown below:



**6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following**

- **Teaching & Learning**
- **Research & Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**



### **Teaching & Learning**

- 1) The management insures effective teaching learning process by recruiting well qualified teachers.
- 2) The faculty members are sent for faculty development programs, orientations and refresher courses, seminars, conferences, workshops etc. organized by universities and other institutions.
- 3) Provides infrastructure conducive to intellectual growth and all round development of personality.
- 4) As per the university guidelines, the Continuous Comprehensive Evaluation (CCE) program is followed which help to monitor the student's performance on a continuous basis. The institution has various student support programs like personality development classes, spiritual lectures, different eminent personalities are invited for lectures in different areas etc. to augment effective teaching learning process.

### **Research & Development**

The college has a Research Committee to promote research aptitude among faculty and students. All faculty members and students are encouraged to participate in various seminars, workshops, conferences. The college also has a rich library, a fully equipped UGC resource center with internet facilities for research and development. The institute has access to 97,000+ e-books and 6,000+ e-journals through N-List programme of INFLIBNET. The institution publishes biannual interdisciplinary Research journal "**Highbrow**" to inspire the teachers to undertake research and publish their findings. Minor/Major Research Projects are taken up by faculty. In UG, the students of V Semester are guided to perform research based Job Oriented Projects. All departments have computers with internet facility helping staff and students to update their knowledge. New Biosciences Research Laboratory has been established to channelize the research activities of this department.

### **Community engagement**

The institute encourages students to join NSS or NCC and participate in extension activities. The NCC, NSS, Environment cell, Red Cross Committee, Rotary Club organizes the following community related activities:-

- Health awareness and checkup camps.
- Cleanliness drives.
- Tree plantation in and outside the campus.
- Pledge to make Polythene free campus.
- Free remedial classes to weaker students.
- Extension activities in nearby slum area.

The college organizes various out-reach programs to enable the student to respond to larger issues of the society like illiteracy and poverty.

### **Human resource management**

The HR management committee has been constituted which looks after the most efficient utilization of human resources of college. It monitors the welfare activities for the staff and ensures its implementation too. The college has an effective mechanism for assessing adequate human resource requirement and subsequent staff recruitment. The performance of the faculty members is evaluated by effective performance appraisal methods every year. Faculty development programs are taken up to update the knowledge and pedagogical skills of teachers. Suitable incentives and increments are given to the staff members.

### **Industry interaction**

Industrial visits and linkages provide exposure to our students and help them to develop entrepreneurial skills. Industrial training program, entrepreneurship training workshop and

hands on training provide practical orientation to UG and PG students and prepare them for career in industry. The college creates a platform for the students to interact with industrial experts. It organizes seminars lectures and workshops. The students are taken for industrial visits as and when required.

**6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to view the activities of the institution?**

Regular interaction between management and principal is maintained. The principal takes feedback from the various stake holders- students, parent, alumni, industry and public with regards to teaching, curriculum, extracurricular activities, infrastructural facilities etc. through the feedback committee. The feedback and suggestion of the stake holders is discussed and reviewed and decisions are taken for their implementations.

**6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?**

The management supports and encourages the involvement of staff by creating a conducive environment, so that they can work towards achieving the institutional objectives and goals. The teachers are encouraged and motivated to give valuable suggestions regarding efficient and effective performance of various activities in the college. The efforts of the staff is recognized, honored and rewarded. The teachers are free to give their opinion about the various activities being undertaken in the college. For this, staff council meetings are held at regular intervals to discuss future activities of the college. Teachers representatives are included in the GB. Committees with teacher representatives play a significant role in planning and implementation of activities.

**6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.**

<b>Resolutions made by the management council in the year 2013 -14</b>	<b>Status of implementation of the resolutions made</b>
A seminar to be organized on value oriented education	Organized in the month of October 2013
Certain rules related to the payment of TA/DA for the invited guests of Seminar to be set up.	Completed
Construction of approach road (college gate to main road)	Work completed
Construction of new toilet block in college campus	Placed in the last meeting of Governing Body
Additional construction work in the South wing.	Placed in the last meeting of Governing Body
Construction of auditorium.	Placed in the last meeting of Governing Body
Water proofing of the terrace of old hostel.	Work completed
Renovation of Home Science block	Placed in the last meeting of Governing Body
To start B. A. L. L. B. degree course and Master in Business Management course.	Applied and case is pending before Department of Higher Education
To assess the possibility to start MSW course	Placed in the last meeting of Governing Body
The rate of DA of the Management staff to be increased from 16% to 24% from 1. 7. 2014 after grant of annual increment.	Implemented

**6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?**

Yes, the affiliating university (Barkatullah University) has a provision to accord the status of autonomy to its affiliated institutions. But the college has not applied for autonomy till now.

**6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?**

A Grievance Redressal Cell has been established to address the problems of the students, staff and to promote a healthy environment in the college. Suggestion boxes have been installed in front of hostel, library and main building, so that students can put their suggestions and complaints without any fear. The grievance redressal committee reviews all the complaints and suggestions and conveys them to the top management. There after steps are taken to resolve the grievance of the students, staff and stakeholders to promote and maintain a conducive and unprejudiced educational environment.

**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

No court cases have been filed against the institutions.

**6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?**

As stated earlier the college has a clearly set mechanism of obtaining feedback from the students to improve the performance and quality of institutional provisions. The feedback committee, consisting of teachers from all faculties collects the feedback from the final semester students of UG and PG regarding teaching learning and other aspects of the college. The whole process is monitored and organized by the IQAC in association with the academic audit committee through a questionnaire prepared for the purpose (as per NAAC recommendations). The questionnaire assesses aspects related to curriculum, teaching-learning, infrastructural facilities and student support services. In our last feedback analysis 56.9% students ranked the institute as "Excellent", 38.2% students ranked "Good" and 6.4% students ranked "Satisfactory" as per the result of 200 feedbacks from random data sampling.

### **6.3 FACULTY EMPOWERMENT STRATEGIES.**

**6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?**

Updating knowledge and professional skills of the faculty members is not only desirable but imperative in the constantly evolving world. The institution ensures professional growth of the staff by:-

- Encouraging them to participate in various orientation, refresher courses, workshops, seminars and conferences at regular intervals.
- Planning and executing programmes that address professional development, career development and personal development of faculty members.
- Encouraging faculty members to write research papers and devote time to active research by taking up UGC projects.
- Appreciating innovations and recognizing and awarding performances.
- Providing leave for participation in faculty development programmes.

- Organizing seminars and workshops in the college. A seminar on “Value Based Education: Status and Direction” was organized in the college in October 2013.
- Supporting membership and active involvement in local, state, national and international professional associations.
- Non-teaching staff is trained to work on customized accounts software and library software. They attend training programmes on the use and implementations of these soft skills.
- Some of our faculties are active members of national and international scientific, literary bodies, NGOs etc.

**6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

The needs of the faculty development program are assessed keeping in view the changes taking place in Higher Education and the institutional requirement. The IQAC conducts faculty development program in the college so that the staff can improve and enhance their professional skills. The NSS & NCC officers are appointed on a rotational basis from among the staff, who attend national level training programs & workshops conducted by University & other agencies like Red Cross society, UNICEF, Red ribbon club, Lions club etc. Perceiving the need of enabling its faculty to use ICT to create richer learning environment and better curriculum delivering the college organizes Computer literacy program for both teaching and non-teaching staff. Capacity Building workshops are organized for teachers at regular intervals.

**6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

The self-appraisal and yearly confidential report of the teachers are the major ways through which the evaluation of the performance of faculty members is done. The achievement of faculty members is monitored through performance appraisal system as per UGC guidelines. The appraisal is based on the effort of the staff in updating their subject knowledge, competency, inter-personal skills, attitude, student motivation, their work related to research and their role in extra-curricular activities etc. Besides this the staff is required to give a report of the activities assigned to them during the academic year. These reports are evaluated to appraise the performance of the staff. Feedback from students and stake holders is also taken into consideration to evaluate teachers.

**6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

Teacher's role in organizing extra/co-curricular activities and work toward social cause and in research activities is given due weightage along with the effective completion of the curriculum with innovative approaches. The outcome of this performance appraisal is reviewed by the management. Every possible effort is made to ensure that proper action is taken, if there is any disparity in predetermined standards and actual performance, it is then communicated to the concerned staff member. In the same spirit, achievements and outstanding work accomplished by the teachers are applauded and communicated to the chairman of the management through the monthly college report and to staff & students, parents, other stakeholders through college website and magazine.

### 6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

All management staff is enrolled in Employee State Insurance(ESI) Scheme. All the facilities like Provident Fund, Medical Leave, Earned Leave, Casual Leave etc. are given as per the govt. rules, duty leaves are provided to the staff member for attending refresher & orientation courses etc. The college also provides loan facility to teachers. For staff members suffering from life threatening diseases like cancer etc., special drives involving society, students & staff are conducted to help them in their struggle against the disease.

### 6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

Following measures are taken by the college to retain its eminent faculty:-

- Management accords fair treatment to both aided and self-financed faculty in terms of sharing administrative responsibilities and representation in committees.
- Periodic revision of pay is done for management faculty.
- Service rules are employee friendly and the management faculty feels comfortable with them.
- Re-employment is also given to retired staff so that the institution can avail their expertise longer.

## 6.4 FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

### 6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

Effective use of available resources is ensured through proper system. The budget is prepared on yearly basis by the Accounts Department. The institution has adequate budgetary provisions for academic and administrative activities. First of all demand in writing is submitted by respective HODs. The Principal scrutinizes the demands and grants permission to invite quotations. The administrative staff of the college submits the statement of expenditures incurred; on a monthly basis.

For proper utilization of the funds, we have monitoring committees for purchase & maintenance. For effective monitoring and efficient use of grants provided by the UGC for construction, the building committee scrutinizes and sanctions the proposed projects. There is a complete transparency in the policies of allocation and utilization of funds. Members of the committees are as follows:

<b>Purchase Committee</b>	<b>Maintenance Committee</b>	<b>Building Committee</b>
Dr. Asha Agarwal (Convenor) Dr. Shubha Kapdeo Dr. Archana Srivastava Dr. SudhaTripathi Smt .Abhilasha Kumar Dr. Purnima Joshi	Dr. Asha Agrawal (Convenor) Mrs. Singdha Dutta Dr. Shubha Kapdeo Dr. SudhaTripathi Mrs. Abhilasha Kumar Dr. Purnima Joshi	Dr. Sudha Pathak(Chairperson) Mr. S.K. Sachdeva (Member, GB) Mr. Manoj Bajpai (University Engineer) Mr. K.P.S. Rana(Suptt. Eng.-PWD) Mr. Manoj Choubey(Architect) Mr.G.P.Pamnani(Consulting Engg.) Mr. Y.A.Deshpandey(Accountant) Mrs. Radhamony(Accountant) Mrs. Snigdha Dutta(Member) Dr. Purnima Joshi(Member) Mrs. Abhilasha Kumar(Member)

**6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

The institution has a mechanism of internal as well as external audit. The internal audit is conducted by a CA appointed by the management who is responsible for the entire internal audit. Besides this M/s Mano & Co. Bhopal, conducts the internal audit every month. Financial consultant Shri Ashok Mathur, CA, monitors the financial working of the college. All the payments by cheque are being first checked by M/S Mano & Company before the signature of second signatory. Last Audit was done in December, 2014. The external audit i.e. the statutory audit is conducted by M/s Shivnandan Agrawal & company. The financial audit is carried out every year; the last audit was done for the assessment year 2013-14. Along with this the government audit i.e. local fund auditing, is conducted by government auditors, is complete up to 2012-13. This report is then submitted with Accountant General, Gwalior, M.P.

College is being run by Sri Sathya Sai Education Trust, Bhopal. All the payment to parties is made by cheques as per the rules and regulations. The cheques are signed by two signatories viz principal and one member of the governing body. There are no observation/ objection from the internal and statutory auditors. There are no major objections in the report of auditors of local self-government.

**6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.**

The major source of institution's fund is fees received from students and the UGC grants. In case of any deficit the institution meets the same through its reserved fund. Some money is received as interest from reserve fund of the college, and some donations are also received.

The college receives salary grant from UGC for disbursement of salary to grant in aid staff. Besides this a development grant is also being received for purchase of equipments, books and furniture's under the five year plan of the central government. The corpus fund available with the institution is Rs.5, 31, 52, 317.07 as on 31<sup>st</sup> March 2014. Account Details for the last four years are as follows:

<b>Sri Sathya Sai College For Women</b>			
<b>Income And Expenditure Account For The Year Ended 31<sup>th</sup> March 2014</b>			
<b>Income</b>	Schedule	Rs. As on 31.3.2014	Rs. As on 31.3.2013
Fees And Other Collection	10	2,01,90,614.00	2,18,09,736.00
Other Income	11	98,17,747.83	95,55,671.57
Hostel A/C	17	2,59,034.00	-147593.00
	<b>Total</b>	<b>3,02,67,395.83</b>	<b>3,12,17,814.57</b>
<b>Expenditure</b>			
Payment And Benefit To Employees	12	2,48,47,859.00	2,32,54,250.00
Computer Expenses	13	4,26,175.00	1,53,072.00
Laboratory Expenses		37936.00	19,473.00
Office, Administrative And Other Expenses	14	33,27,457.00	28,69,858.93
Repair & Maintainance	15	18,77,783.00	11,50,132.00
Depreciation	6	22,11,405.24	30,92,595.44
	<b>Total</b>	<b>3,27,28,615.74</b>	<b>3,05,39,381.37</b>
<b>Excess Of Income Over Expenditure</b>		<b>24,61,219.91</b>	<b>6,78,433.20</b>

Sri Sathya Sai College For Women			
Income And Expenditure Account For The Year Ended 31 <sup>th</sup> March 2013			
		Revised	
<u>Income</u>	Schedule	Rs. as on 31.3.2013	Rs. as on 31.3.2012
Fees And Other Collection	10	2,18,09,736.00	2,19,59,578.00
Other Income	11	95,55,671.57	72,66,762.19
Hostel A/C	17	-147593.00	-22059.00
	<b>Total</b>	<b>3,12,17,814.57</b>	<b>2,92,04,281.19</b>
<u>Expenditure</u>			
Payment And Benefit To Employees	12	2,32,54,250.00	1,94,10,836.00
Computer Expenses	13	1,53,072.00	1,41,865.00
Laboratory Expenses		19473.00	47589.00
Office,Administrative And Other Expenses	14	28,69,858.93	25,63,855.00
Repair & Maintainance	15	11,50,132.00	13,72,792.00
Depreciation	6	30,92,595.44	28,19,015.05
	<b>Total</b>	<b>3,05,39,381.37</b>	<b>2,63,55,952.05</b>
<b><u>Excess of Income Over Expenditure</u></b>		<b>6,78,433.20</b>	<b>28,48,329.14</b>

Sri Sathya Sai College For Women			
Income And Expenditure Account For The Year Ended 31 <sup>th</sup> March 2012			
		Rs. As on 31.3.2012	Rs. As on 31.3.2011
<u>Income</u>	Schedule		
Fees And Other Collection	10	2,19,59,578.00	1,96,78,358.00
Other Income	11	72,66,762.19	40,62,687.04
Hostel A/C	16	-22059.00	0.00
	<b>Total</b>	<b>2,92,04,281.19</b>	<b>2,37,41,045.04</b>
<u>Expenditure</u>			
Payment And Benefit To Employees	12	1,94,10,836.00	1,60,87,542.00
Computer Expenses	13	1,41,865.00	2,05,996.00
Laboratory Expenses		47589.00	44329.00
Office,Administrative And Other Expenses	14	25,63,855	22,96,106.00
Repair & Maintainance	15	13,72,792.00	18,19,230.00
Depreciation	6	28,19,015.05	20,87,343.86
	<b>Total</b>	<b>2,63,55,952.05</b>	<b>2,25,40,546.86</b>
<b><u>Excess Of Income Over Expenditure</u></b>		<b>28,48,329.14</b>	<b>12,00,498.18</b>

Sri Sathya Sai College For Women			
Income And Expenditure Account For The Year Ended 31 <sup>th</sup> March 2011			
<u>Income</u>	Schedule	Rs. As on 31.3.2011	Rs. As on 31.3.2010
Fees And Other Collection	9	19678358.00	15558097.00
Other Income	10	4062687.04	5471544.50
	<b><u>Total</u></b>	<b>23741045.04</b>	<b>21029641.50</b>
<u>Expenditure</u>			
Payment And Benefit To Employees	11	16087542.00	15832486.00
Computer Expenses	12	205996.00	120481.00
Laboratory Expenses		44329.00	73392.00
Office,Administrative And Other Expenses	13	2296106.00	1996743.00
Repair & Maintainance	14	1819230.00	371033.00
Depreciation	6	2087343.86	2099666.70
	<b><u>Total</u></b>	<b>22540546.86</b>	<b>20493801.70</b>
<b><u>Excess Of Income Over Expenditure</u></b>		<b>1200498.18</b>	<b>535839.80</b>

**6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

The college is run on self-financing basis and it gets grant from UGC for certain developmental projects. The institution encourages teachers to take-up research projects thereby generating resources for the institution. College also applies with different funding agencies like Department of Biotechnology (DBT), Department of Science & Technology(DST), Madhya Pradesh Council of Science &Technology(MPCST), and UGC, State/Central Government etc. to receive grants under their special schemes like DST-FIST, Star Scheme and RUSA etc.

## **6.5 INTERNAL QUALITY ASSURANCE SYSTEM (IQAS)**

### **6.5.1 Internal Quality Assurance Cell (IQAC)**

**a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

**b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?**

**c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

**d. How do students and alumni contribute to the effective functioning of the IQAC?**

**e. How does the IQAC communicate and engage staff from different constituents of the institution?**



- a. Yes, the IQAC has been functioning in the college since 2004 with the thrust on academic and administrative excellence. The IQAC comprises of the following members.

**Co-ordinator:**

- Dr. Shampa Malhotra

**List of Administrative/ Technical Staff: Management Representatives**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>▪ Dr. Asha Agarwal</li> <li>▪ Dr. Jyotsna Galgale</li> <li>▪ Dr. Saroj Gupta</li> <li>▪ Mrs. Abhilasha Kumar</li> <li>▪ Dr. Purnima Joshi</li> </ul> | <ul style="list-style-type: none"> <li>▪ Mrs. Snigdha Dutta</li> <li>▪ Dr. Archana Srivastava</li> <li>▪ Dr. Renu Mishra</li> <li>▪ Dr. Neena Arora</li> <li>▪ Dr. Meena Parashar</li> </ul> |
|---|--|

**List of Students:**

- Ms. Anjana Khatik (B.Sc.)
- Ms. Rajkumari Malaiya (M.Sc.)
- Ms. Mahima Tiwari (B.Com.)

**Alumni**

- Dr. Rupa G. Nandi
- Dr. Megha Singh

**Employers/ Industrialist:**

- Mr. Umesh Daang

**List of stake holders and community representatives:**

- Mr. S.K. Sachdeva
- Dr. G.V. Pathak

**Other External Experts:**

- Dr. Pooja Kushwah (Dean IT, Jaipuria Institute of Management, Bhopal.)
- Dr. Radha Ballabh Sharma

The institution aims at the all-round development of the students therefore besides effective curriculum transaction and academic accomplishments, we emphasize the inculcation of moral values, civic sense, health and hygiene awareness, good citizenship, environmental awareness and the feeling of national pride.

- b. The cell has suggested various development plans in terms of academic quality and infrastructural growth. Some of them which have been approved by the authorities for implementation are as follows:

- To develop a practice of regular annual SWOT analysis.
- Membership with All India Association for Educational Research.
- Membership with Indian Accounting Association, Bhopal.
- To start honours courses.
- Construction of additional toilets.
- To start new degree/diploma/certificate courses.
- Construction of auditorium and lecture theatres.
- Teachers should attend seminars and workshops regularly.
- Maximum teachers should apply for Minor/Major Research Project.
- To apply for additional grant from Government under Rashtriya Uchchar Shiksha Abhiyan(RUSA) and from DST-FIST and DBT.
- To publish a research journal/departmental newsletters in the college.
- To establish a Human Resource Management System in the college.
- To initiate better welfare schemes for support staff of the college.
- Construction of new College Library building.
- Separate Biotechnology and Microbiology Laboratories.
- P.G. Laboratory for Computer Science.
- Renovation of Language Laboratory.

- Construction of more classrooms.
- Enhancement of facilities in Sports.
- Starting student everyday-needs store.
- Intercom facility and Wi-Fi facility in the campus.
- Extension of vehicle stand.
- Vehicle for transportation of students and staff.
- Membership of INFLIBNET or access to OER.
- Installation of Solar Heater and Water Harvesting Unit.
- Develop facility for solid waste management of college.
- Commissioning a Network Resource Center.
- Procure uninterrupted data connectivity through Leased Line.
- Procure facility of ICT enabled smart class rooms.

**Suggestion actually implemented:**

- Teachers attend seminars and workshops regularly.
- Maximum teachers have applied for Minor/Major Research Project.
- College has its Central Library Building spread over 10,000 sq m.
- Biotechnology and Microbiology Laboratories constructed.
- P.G. Laboratory for Computer Science is functional.
- Renovation of Language Laboratory under process.
- Well furnished 3 classrooms are available now.
- Large Sports Complex and well equipped gymnasium.
- Student Stationery store is functional.
- Online Kiosk is working for online work related to admissions, enrollment and examination.
- Intercom facility is available.
- Second vehicle stand constructed.
- Small vehicle available for transportation of students and staff.
- E-resources available through INFLIBNET.
- Solar heater installed in Hostel.
- Water harvesting unit working.
- Vermicomposting pit is making organic compost for the garden.
- Network Resource Center started.
- Internet connectivity available through leased line (BSNL) at 32 nodes through LAN.
- Interactive Boards in Computer, Zoology, Chemistry and Education Department are functional.
- Visualizer available.
- Human Resource Cell is functional.

**c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

Yes, IQAC have the external members: Dr. Pooja Kushwah, Dr. Umesh Daang and Prof. Radha Ballabh Sharma. They coordinate with the experts in different fields and help us to organize quality related workshops.

**d. How do students and alumni contribute to the effective functioning of the IQAC?**

The suggestion and experiences of alumni and students are given due respect and consideration by the IQAC for betterment of student and the institution. Feedback from the students and alumni on the various aspects of institution help us to initiate improvements in the institutional systems. On the basis of Questionnaire prepared by Political Science Department, all the students and staff continuously assess their learning and growth and enrich the IQAC with valuable feedback.

**e. How does the IQAC communicate and engage staff from different constituents of the institution?**

The IQAC members communicate plans and policies of IQAC to the staff of all the departments of the college. The plans and policies are then implemented through proper cooperation and coordination. The IQAC engages staff with administrative, management and technical skills for its functioning. The students and alumni representatives are also engaged for obtaining feedback and suggestions. .

**6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.**

Yes, the mission of the institution clearly brings out the intended quality of education. The academic policies are communicated to both academic and administrative staff. The academic quality is ensured by focused teaching learning process and research.

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.**

The institution ensures that the decisions based on the findings of IQAC are adhered to. Teachers are encouraged to conduct and participate in quality related seminar and workshops. We also organize workshops, seminars and lectures on quality associated issues. IQAC holds meetings with the staff council regularly to obtain feedback from them and also apprise them of latest issues. This year two training workshops on "Capacity-Building among Teachers" were organized in the institution.

**6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?**

There is no formal mechanism for academic audit. The students, alumni, parents and stakeholders are asked to give their feedback about the quality of teaching and its methodologies adopted by the faculty members. The performance appraisal system helps to evaluate the performance of the faculty. The progress of syllabus and attendance register are being checked and signed by respective head of the departments/faculty heads and the principal in the beginning of subsequent month. IQAC endeavors to implement suggestions received from students, alumni, parents and stakeholders.

**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

The IQAC of the college is as per the provision of the National Assessment and Accreditation Council (NAAC). The quality assurance mechanism and its objectives are in conformity with the standards set by the regulatory bodies like Barkatullah university and NCTE.

**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

Meetings are conducted at regular intervals between the Principal and HODs of all the departments. The principal is informed about the various academic as well as non-academic activities undertaken by the staff and the students. The HODs of various departments also conduct departmental meetings which are either weekly or monthly to monitor proper implementation of the syllabi and the teaching learning process. The HODs also apprise the Principal of the various problems and issues of the staff and the students. The process begins before the commencement of new session by planning the requirements for teaching learning process like number of faculties and other resources and setting certain academic goals. The process ends with the review after the completion of term and analysis of academic goals met.

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

The institution have evolved to strategy to network with the stake holders on different platforms like parent-teacher meetings, alumni meets and interaction with different committees with a fair representation of students. The head of the institution is in continuous contact with the faculty members through its online system. The institution provides orientation to the faculty members in staff meetings in addition quality assurance policy is communicated to the faculty member through circulars and notices. The vision and mission statement of the institution is displayed on boards at various places in the campus. The merit list is also being displayed on the board at the entrance of the college. Information related to NCC, NSS Sports are all displayed on the notice board so that the various internal and external stakeholders can have a view. There are placement notice boards which provide the details of companies which have visited the campus for recruitment along with the list of the students selected both within and outside the campus. More over the college websites and college magazine "Divya" give detailed information about all the activities and achievements of the college.

# CRITERIA VII: INNOVATIONS AND BEST PRACTICES

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Healthy Practices are defined as “institutionalization of innovative self-regulated responsibilities which aim to promote academic growth of national quality in the college system”.

## **7.1 ENVIRONMENT CONSCIOUSNESS**

Sri Sathya Sai College for women, Bhopal has a large eco-friendly campus with 3 acre of forest area, a Rose garden, a medicinal plant garden and lush green manicured lawns with multicolored flowerbeds that gives a surreal view of all those who enter the campus.

### **7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?**

The college has an environmental cell which conducts an internal Green Audit to monitor the efforts for a Green Campus. Awareness is created by giving lecture, organizing different competition by environmental cell .e.g. poster, slogan, essay writing, best out of waste etc. Department of Botany has supervised the flora of the campus and have named and numbered the trees. Students are not allowed to bring polybags to the campus, thus making the campus a polythene free zone. Instead they are motivated to use jute/cotton bags and paper meshes items etc. They are encouraged to buy jute bags from the exhibition-cum-sale of jute bags held in campus by some self-help women group.

### **7.1.2 What are the initiatives taken by the college to make the campus ecofriendly?**

Tree plantation by NSS, NCC Students, environmental cell and Botany department every year. At least 100 plants are planted every year in and outside the campus and then they are taken care of by gardeners of the college.

#### **1. Energy conservation:**

- The college has the provision of solar heaters in the hostel to conserve energy and minimize electricity consumption.
- students are encouraged to celebrate Tilak Holi, thus saving water on the festival.
- Florescent tube lights are being replaced by CFL bulbs /LED lights (in process).
- All class rooms are well lit during the day so that the electricity consumption is reduced. The students are instructed to switch off fans and lights while going out of the class.
- All efforts are made to save electricity and paper; lesser documentation in hard copy. We are trying for paperless office and administration through automation.
- Staff members pool car for transportation.
- The College enthusiastically celebrates - Earth Hour with WWF during which no electric appliances are used in the campus and homes of all the students and staff.

**2. Use of renewable energy:** To use solar water heater in hostel campus, solar energy panel to reduce power consumption as alternative sources of power which would help in overcoming the power crisis are being installed in the college.

**3. Water harvesting:** Rain water harvesting project has also been implemented in the college. Water is being collected with the help of roof top rain water harvesting technique. The water thus harvested is being used for watering the plants and gardens.

**4. Efforts for Carbon neutrality:**

- Implementation of e-governance by the University is one among the novel means to promote carbon neutrality in its affiliating colleges.
- Reducing consumption of fossil fuel to check CO<sub>2</sub> emission by car pooling.
- Use of e-documents is preferred for reducing use of papers.
- “Say No to Crackers” for pollution free Diwali, “Say No to Polythene” are some such initiatives.
- Carbon footprint off-setting campaign by planting trees.

**5. Plantation:** Alumni association, environment cell, NSS, NCC, Botany department of the college regularly organize tree plantation drive to create green campus. All special days like Independence/Republic Day and World Environment day are celebrated by planting saplings in and around the college campus.

**6. Hazard Waste Management:** Vermicomposting has been adopted to manage the organic waste generated in the campus. Leaf litter from the campus is used for vermicomposting and the organic manure/compost obtained is used for growing organic vegetables and Roses, medicinal plants etc. The disposal of hazardous waste generated in Biosciences department and research lab is regularly monitored by the Bio-safety committee for its safe disposal.

**7. E-Waste Management:**

After their lifetime, Computers and their accessories which are not in working condition are sold as scrap to local vendors. Rallies and awareness drives are organized to make the campus eco-friendly. Separate bins for Biodegradable waste / recyclable/ e- waste/ other solid waste are kept at prominent places in the campus.

## 7.2 INNOVATIONS

**7.1.2 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college**

The college has introduced several innovations in academics, administration and other aspects of the college. Some of them are:

**1. Automation of College library system**

The main library of the college is located in the center of the campus and is automated with

- **Federated search** is an information retrieval technology that allows the simultaneous search of multiple searchable resources. This allows a user to search multiple databases at once in real time. The library has **Online Public Access Catalogue**, which is available on computer terminals in library; users can search documents by author, title and related topics.
- All the library housekeeping operations have been computerized.
- Library database has all the Books and Journals etc.
- All the books are being Bar-coded.
- Library users are issued a bar-coded ID card.

- Library is also using the Bar-code technology at the circulation desk for issue and return transactions.
- All computers are connected through Local area Network (LAN).

## **2. UGC Network Resource Center**

The college provides Internet facility in all the Departments and also in library and office. The Internet facility is open to all the students of the college in the library and computer department. As of now, the Network Operating Centre has been provided with 2 Mbps Internet leased line from BSNL in library and others departments.

## **3. Extension of Hostel facilities**

Major hostel facilities include library and computer resource center. The hostel provides basic amenities including a common lounge with television, radio, internet connectivity, newspapers and magazines.

## **4. Career counseling cell**

The cell organizes Job oriented Short-term courses and Computer Training courses to the Students; coaching classes for various competitive Examinations such as UPSC Civil Service Preliminary Examination, Staff Selection Commission, UGC NET Examination etc. are conducted. The cell conducts Seminars and Workshops on Career Oriented Courses for the benefit of the students.

It also arranges placement programmes annually for the students of the colleges.

## **5. “Earn While You Learn” scheme**

A novel scheme of "Earn while you Learn" for Postgraduate students and Research Scholars of the college has been introduced. Under this, eligible students can work as Part-time Laboratory Assistants, Library Assistants, Technical Assistants, and Tutorial Assistants in the college for a specified number of hours every month and receive a suitable monthly remuneration.

## **6. Internship**

As per university norms Internship is intended to acquire hands-on training in the associated field of study. The duration is 60 hours with a weightage of 100 marks. After completion of internship report must be prepared and submitted to the concerned HOD/ Guide. On the basis of the report, presentation and viva, external examiner appointed by the university evaluates the student. Some of the departments conduct their own internship programme in the college thereby saving the money and travelling time of the students. This in-house internship generates revenue for the college as well.

## **7. Women Sexual Harassment Redressal Cell**

The Grievance redressal cell of the college also addresses the sexual harassment issue to discharge its social responsibility promote. Since this is a girls college usually cases of sexual harassment are not reported, but girls face sexual harassment even in their home and do not find the proper person to share or are intimidated by the societal norms. The teacher counsel the students and helps them to get out of such problems.

## **8. Self Defense Training :**

Self defense training in the form of Martial Art is organized by Sports Department every year. This year 155 student presented their Martial Art Skills in front of **Smt. Aruna Mohan Rao**, Additional Director General(ADG) and **Ms. Kiran Lata Ketkatta**, Additional

Inspector General(AIG) in college campus . Chief Superintendent **Mr. Mushtak Ahmed** and **Mr. Mushtak Khan** gave self defense training to 70 girls from **1.8.14 to 30.8.14**. This program was in association with **Women's Crime Branch**, Bhopal and Sports Department of the college. As an activity of NSS and NCC, a lecture on '**Cyber Crime**' was delivered by Additional S.P. **Mr. Shailendra Singh Chouhan** on **18.09.14** thereby cautioned girls for the information they share on Facebook and other social sites.

#### **9. UGC Coaching Classes In The College**

- Remedial coaching is arranged at undergraduate level for Scheduled Castes, Scheduled Tribes. OBC's and Minority community students.
- Coaching scheme has been devised for entry into services for Scheduled Castes, Scheduled Tribes and Minority community students.
- Coaching is arranged for SC/ST and Minority community candidates to prepare for National Eligibility Test (NET) or State Eligibility Test (SET) for Lectureship.

#### **10. "Tatkal" scheme for students**

'Tatkal' scheme has been introduced to arrange for issue of certificates /TC within 24 hours of request on payment of a certain nominal fee.

#### **11. "Voter Id" Drive**

"Voter Id" Drive was initiated for all the college students to assure registration of all eligible students before the assembly election.

#### **12. Personality and skill development**

For the holistic growth of its students a Personality Development Cell was established. Every aspect of personality right from positive thinking, communicative skills, soft skills, personal grooming, physical fitness are attended to.

#### **13. Fostering Global Competencies**

Global competencies involve effective communication skills, interpersonal skills, leadership qualities and team spirit. The following initiatives have been taken to foster the global competency among students.

- **Personality Development Cell:** The Cell promises to chisel and refine the overall personality of its pupils and to help them face the challenges of the world when they step out of the precincts of the college. The programs conducted have benefitted the students in terms of attitudinal changes and enhance confidence and self-esteem.
- **Skill development Programmes**  
Following skill development programmes were organised to help student harness the required skills to face the competitive world
  1. Training program in IT under NSDC program from 25<sup>th</sup> Feb.- 24<sup>th</sup> Mar. 2014 by Computer Department
  2. Entrepreneurship Development under (Retail Trading) NSDC program from 11<sup>th</sup> Feb 2014 to 11<sup>th</sup> Mar 2014 organised by Commerce Faculty
  3. Chemistry Department organized a Women Entrepreneurship Development Program Under NSDC from 12<sup>th</sup> Dec. 2012-12<sup>th</sup> Jan 2013.



- **Study Circle for Communication Skills:** In the highly competitive globalized world that we inhabit today, effective communication skills, fluency of spoken English and knowledge of languages can surely brighten one's career prospects. Expert teachers are invited to teach languages. The language courses have evinced great interest among students, who have become fluent in spoken English and are participating in group discussions and interviews confidently. These courses brush up the skills of students and enhance their employability. Success rate of the college and the number of campus placements have gone up. Various new-age academic programs, value-added programs and skill oriented programmes also have been introduced to keep pace with the changing global educational scenario. The classes organized under this school of communications are as follows:

Date	Topic	Students	Resource Person
3 Aug 2012	“Personality Development and Communicative Skills in English”	61	Mrs. Sadhna Syal
6 Aug 2013	“Holistic Development and Soft Skills”	150	Dr. Mamta Mohanty
14 Aug 2014	Group Discussion on “Friendship Day”	32	Mr. Aniruddh Ghosh,
21 Aug 2014	Mini Presentation on “Disturbance in Environment and ecological balance leads to disturbance”	32	Dr. Shampa Malhotra
4 Sept 2014	Mini Presentation on “What is their (student's) idea about perfect teacher?”	32	Dr. Megha Singh
11 Sept 14	Group discussion on “Brain drain will affect the development of the country”	32	Mr. Aniruddh Ghosh
18 Sept 14	Group discussion on “Should voting be made compulsory”	32	Dr. Shampa Malhotra
9 Oct 14	Group discussion on “Is internet a boon?”	32	Dr. Megha Singh
16 Oct 14	Lecture on “Grammar Components”	32	Mr. Aniruddh Ghosh,

### 13. Linkages/Collaborations

Linkages with Industry and collaborations with research centers, industries and MNCs have been established to nurture global competencies among students. Tie-up with Industry has provided proper practical and relevant knowledge, skills and competencies to become successful entrepreneurs. Industrial and educational visits are organized to supplement theoretical knowledge with practical awareness and application. Mutual benefit was derived from the shared expertise and experiences between the industry and the institute.

### 14. Innovative Pedagogical Tools:

Smart classes room facility was introduced for students of Chemistry, Biotechnology, Zoology and Computer Science. The other departments are free to use these facilities. Keeping in view the paradigm shift in pedagogy from teacher-centric to learner-centric, various Faculty Development Programmes have been organized to orient and train the faculty in the latest ICT based teaching-learning and e-content development. Faculty competency and development programs like Training in Computers, Pedagogical tools, Smart Class and workshops on “Higher Education and Semester System”, "SERB School On Modeling And Simulations” were attended by the faculty members

**15. Best students are picked from the each faculty:**

To encourage the advanced learner, college honor them with certificate and a cash prize to I and II position holders of each class and all-round performers of each faculty are felicitated in the college annual day with a gold medal and certificate. The gold medals for various faculties are sponsored by some educationists, philanthropist, Ex-employees and are following :

- Arts Faculty : Smt. Pushpavati Lal Smriti Gold Medal
- Science Faculty : Smt. Shanta Gopal Smriti Gold Medal
- Commerce Faculty : Shri Ranjit Vitthaldas Smriti Gold Medal
- Computer Faculty : Shri Suresh Chandra Goyal Smriti Gold Medal
- Education Faculty : Dr. V. Krishna Smriti Gold Medal
- Highest marks in U.G : Smt. Bhagirathi Amma Smriti Gold Medal
- 

**16. Special Prize For Special Effort:**

There are many students who make efforts but they never get first/ second/ third position in the class. They never get chance to be honored on the prize distribution function. So keeping in view the continuous efforts made by them according to their capacity, college has introduced a special prize to motivate such students to enhance their performance. These prizes are specially organized for NSS, NCC and Sports students. Awards for the NSS, NCC and Sports are as follows:

**NSS:**

- Special Appreciation Prize : for sincere worker
- Best volunteer : who voluntarily motivates other students for social services
- Best camper : who attends maximum number of camps at different level

**NCC:**

- Best Cadet : All round performance
- Best camper : who attends maximum no. of camps
- Special Prize : who participant in RDC, Thal Sena Camp(TSC), National Integration Camp(NIC)

**Sports:**

- Award for Best Sports Women
- Award for Participation at National Level Sports Competition
- Award for District level prize winners

**17. Student Support Services:**

College has a center to cater to the intellectual, psychological and social needs of the students that look after the Student Welfare activities and initiate Students Leadership Development Programmes. Some of the recent Student Welfare activities and Students Leadership Development Programmes initiated are:

- Setting up of literary society.
- Setting up of Student Welfare Cell under NSS.
- Setting up of Stress Buster Cell under NSS.
- Setting up of Women's Empowerment Cell in B.Ed. Department.

**18. Research and Extension:**

The following initiatives have been undertaken to promote research among faculty and students alike:

- Campus internet/intranet connectivity established
- Instrumentation Laboratory/Research Laboratory established.
- A Biannual interdisciplinary research journal "**Highbrow**" with ISSN number was published to inspire the teachers to undertake research and publish their findings.
- Access to 97,000+ e-books and 6,000+ e-journals through N-List programme of INFLIBNET.
- Minor/Major Research Projects are taken up by faculty.

- Faculty of Botany, Microbiology, Zoology, B.Ed. and Hindi Department guide research scholars for Ph.D. programmes.

### **7.3 BEST PRACTICES**

**7.3.1 Elaborate on any two best practices as per the annexed format which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.**

#### **Best Practice - I**

**1. Title of the Practice:- “Value Education and Spiritual Awakening”**

#### **2. Goal**

- To inculcate patriotism and spirituality
- To impart value-based education
- To arouse social consciousness
- To counsel the students for their emotional and spiritual well being.
- To inculcate calm and composure in the personality of students.

#### **3. The Context:**

Education in human values supplements secular education by addition of spiritual inputs. Students are encouraged to understand and imbibe five fundamental human values i.e. Love, Truth, Righteousness, Peace and Non-Violence. In our everyday activities, we use 5 techniques :

- Prayer and Positive thinking
- Meditation
- Group devotional music
- Inspirational speech/lectures
- Group activities

Our focus is on practicing these values rather than just knowing them. It was conceived with the sacred aim of arousing nationalistic pride, imparting information and providing a platform for collective thinking and community feeling. Practice of Morning Assembly and collective prayer has an added significance and relevance in present times when gross materialism and consumerism have overburdened the society with an unending rat-race. In such a scenario little space is left for moral and patriotic values. Having realized that values are imbibed rather than taught, the college has adopted this practice to counsel the students and inculcate those values that are needed to live in a pluralistic society and contribute to national development. It also is a subtle manifestation of the collective consciousness and purposeful education of the institution.

#### **4. The Practice:**

Morning assembly is a regular and important feature of the college. It gives a much needed platform to meet all the students at one place. Official instructions, announcements regarding scholarships, trainings, intra-college and intercollegiate competitions and upcoming events are made. The students listen carefully to the instructions given during the assembly and follow them earnestly. The national flag is hoisted every morning and national song-Vande Matram, national anthem-Jan Gan Man and Madhya Pradesh Gaan, are sung with nationalistic fervor. In keeping with the patriotic spirit and simplicity, traditional Indian uniform and dress code is followed in the campus (Salwar Kurta). It is compulsory for all students to come to college in uniform and teachers follow the dress code of sari. The morning assembly includes Sarvdharm prayer, thought for the day, mission of the college, National Anthem/National Song/Madhya Pradesh Song/Vedochharan.

**Thought for the day** – is read out by a student everyday to instill values among fellow students and arouse the intellectual, moral consciousness of students. It works like a mantra for the Day to ponder upon. Collective prayer prepares every student to raise herself intellectually and morally so as to face the stern realities of life with confidence and courage. Each student of the college is expected to look on herself as the ambassador of the college and conduct herself with dignity that is worthy of the institution.

**Awards and Laurels** – The student achievers, who have won awards and honors for on the academic and co-curricular activities in collegiate and inter-collegiate activities are honored and awarded in the assembly. Faculty achievements are also highlighted to provide inspiration to students.

The mission of the college to reinforce the culture of excellence and contribution to national development is substantially met with through morning assembly which imparts value-added education and inculcates patriotic fervor.

**Thursday spiritual class** - Every Thursday collective bhajans, and lectures on special topics are arranged. To enumerate, a few examples are enlisted:

Date	Teacher Name/Event	Topic of the Thursday lecture
4-Jul-13	Induction and Welcome Programme for newcomers	
11-Jul-13	Dr. Sudha Pathak	Human Values and Its Development
18-Jul-13	Advisor -Advisee meet	
25-Jul-13	Dr. Asha Agarwal	Healthy Routine
1-Aug-13	Scholarship Incharges	Information About Scholarship
8-Aug-13	Dr. Shriji Seth	ABC of NSS
15-Aug-13	Dr. Sudha Pathak	Independence day
22-Aug-13	Mrs. Anita Awasthi	Navdha Bhakti
29-Aug-13	Ms. Shruti Mishra	Child Labour
29-Aug-13	Ms. Apoorva Diwedi	Child Labour
29-Aug-13	Ms. Shruti Mishra	Dr. Sarvapalli Radhakrishnan
5-Sep-13	Mr. Deepak Sharma	Swami Vivekananda
12-Sep-13	Dr. Archana Srivastava	Nuclear Energy -its pros and cons
19-Sep-13	Dr. Neena Arora & Dr. Parul Saksena	Quiz
26-Sep-13	Ms. Shipra Karmakar	Shakti Nagpal- Star athelete India
26-Sep-13	Collegiate Debate Competition	
3-Oct-13	Ms. Mamta Joshi	Teaching and Principles of Mahatma Gandhi
10-Oct-13	Ms. Pratiksha Shyam	Importance of Voting
17-Oct-13	Dr. Harsha Chaturvedi	Human Rights
24-Oct-13	National Seminar in the college	
31-Oct-13	Ms. Khyati Shrivastava	Organic food
19-Nov-13	Dr. Neena Arora, Dr. Anita Awasthi	Carbon footprints
3 Apr 14	Dr. Archana Srivastava	Materials of the future
10 Apr 14	Dr. Meena Parasher	Motivation & Leadership Qualities
17 Apr 14	Dr. Anju Bajpai	Rights of Consumers
24 Apr 14	Dr. Shubha Kapdeo	Nutrition

National festivals are celebrated enthusiastically. We also celebrate Guru Poornima and Makar Sankranti with Bhajans and Laksharchan

▪ **Spiritual Camp**

3 days residential camp on Indian Culture and spirituality, follows the teachings given by the Bhagwan Sri Sathya Sai Baba. As stated by Shri Satya Sai Baba the main objective of the Sathya Sai Organization, is to help man recognize the divinity that is inherent in him. The objective of the camp is to inculcate the understanding and appreciation of Indian culture and scriptures. Invited lectures on different scriptures, value of time management, discipline etc. are organized. The various lectures and discourses guide the students to righteous living and positive thinking.

**5. Evidence of Success:**

The practice of morning assembly and prayer has a great motivational impact on the student community. They are inspired by the achievements of their fellow students and various honors conferred on them. As a result, they try to explore their own potentials. Shedding their inhibitions they come forward to participate in various activities being organized by the college. What is laudable is that they make sincere efforts to attain established bench marks. The achievements of the competent teachers in their respective fields further boost them to give their best and outperform. Well-defined value system and love for our culture has given strong roots and poise to our students and facilitated their moral and intellectual growth. It has gone a long way in inculcating a strong sense of ethical values, a genuine concern for our culture and commitment to nationalistic causes. We have a galaxy of alumni who have done the college proud by making significant contribution in ameliorating the lot of oppressed, marginalized sections of society. A National seminar on “Value Oriented Education: Status & Direction” was organized on 24-25 October 2013, in which total 248 registrations were there, out of which 143 scholars were from outside the institution.

**6. Problems Encountered and Resources Required:**

Since the college runs in three overlapping shifts, it is difficult to organize and coordinate lectures for all the shifts together. A lot of rescheduling and adjustment in time table has to be done to enable all the teachers to meet their respective classes and prevent any academic loss. We do not have enough space to accommodate all the students at a time, so we need an auditorium for collective forums. Lack of financial resources prevents us from inviting experts of national and international repute.

**7. Notes-**

To inculcate spiritual environment, any institute should incorporate healthy practices like Sarvdharma prayer/value based lectures/ thought for the day in there morning assembly on regular basis.

**BEST PRACTICE II**

**1. Title of the Practice:** Activities To Empower Women Through Skill Development & Counseling.

**2. Goal:**

- To give vocational, career oriented and technical education to lesser privileged women.
- To counsel and motivate women to lead a dignified life.
- To empower women for changing fundamental aspects for their own development..
- To sensitize women in general and society in particular about gender issues.
- To bring about behavioral change for ensuring gender equity.
- To contribute to national development.
- To empower lesser privileged women of slum area located near the college.
- To motivate girls of weaker section of society for higher studies.

### 3. The Context:

Ever since its inception in 1974, the college has been rendering valuable service for the emancipation and empowerment of women. Fully aware of the countless psycho-social pressures which are deeply embedded in attitudes, practices and behaviour patterns across the world and adversely impact the well-being of women, our institution seeks novel and practical ways to create more opportunities for empowering women. Issues like gender discrimination within family, low self esteem due to social attitudes cause acute depression and lead to unhappiness among women. Economic dependence also limits the growth and development of women. Therefore the first step should be to make them economically independent. An effort is made to ameliorate the stress and limiting factors among women by helping women who could not complete their education due to familial, economic or social reasons. Skill development and vocational training in areas focusing on entrepreneurial skills, is provided to ensure employability.

### 4. The Practice:

As a part of the mission of empowering women through education and self-reliance, the college has established the Women's Empowerment and Counseling Cell that is vigorously involved in providing guidance and job skills to women from lesser privileged sections of society.

The Centre is dedicated for improvement of the lives of young women through counseling and advocacy of a range of services that promote personal growth and economic independence. The center is engaged in creating awareness among woman enabling them to achieve equality and social justice. Some of the activities of the cell are:

- **Vocational Training:** Seven days special workshop was organized by home science/B.Ed. Department on nutrition, fashion designing, Block printing, Fabric Painting, Candle Making, Pot Decoration, Paper Mache, Cosmetology. Botany department organized workshop on different methods of vegetative propagation in different plants. Vocational Training on Vermicomposting is given to women and students.
- **Counseling:** The centre offers counseling to college students and lesser privileged women covering a number of issues like health, hygiene and alternate sources of income generation. Counseling is provided to women who have experienced violence and are coping with challenges (both physical and mental). Counseling services are offered for career options and support and strategies for coping with stress. Special sessions are conducted to create awareness amongst them regarding their health issues and their rights. Dr. Shubha D.Kapdeo delivered a lecture on "Nutrition" to the slum dwelling women. Girls of the lesser privileged section of the society are motivated for higher studies. The illiterate women of the nearby slums are encouraged to come in to the campus and attend literacy classes conducted by our students of NSS and B.Ed. department.
- **Awards and Laurels:** The young women, who have been able to achieve the desired goal of economic independence and have set up entrepreneurial units are honoured and awarded prizes to inspire and motivate other women/girls to aim for the sky and achieve their goals. The initiatives of all the participants/trainees are lauded and given due recognition at the annual function of the college to motivate others to shed their inhibitions, recognize their latent potential and realize their dreams.

### 5. Evidence of Success:

- 70 students participated in "Women Entrepreneurship Development Program" under NSDC dated on 12 December 2012 to 12 January 2013 organized by Chemistry and Computer Department.

- Chief Superintendent Ms. Mushtak Ahmed and Mushtak Khan Trained 70 girls for Self-Defence from 1.8.14 to 30.8.14. This program was in association with Women's Crime Branch, Bhopal and Sports Department of the college. We organize this activity every year
- Most of the students of the college participate enthusiastically in these activities.
- The NSS and NCC organized a lecture on 'Cyber Crime' delivered by Additional S.P. Mr. Shailendra Singh Chouhan on 18.09.14 for counseling the girls on their online conduct and security tips.

#### **6. Problems Encountered and Resources Required**

- Women of weaker sections of the society have their own social and economic boundaries to overcome for attending such activities.
- Due to erratic schedule of University Examination, adherence to academic calendar provided by Higher Education is difficult so the students feel the paucity of time to involve in such activities.
- Lot of funds and manpower are required for conducting such activities.

#### **7. Notes-**

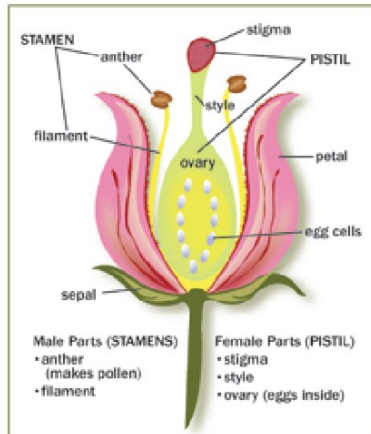
Such activity can be conducted by any college with the willingness of staff and students.

#### **8. Contact details**

Name of the Principal	: Dr. (Smt.) Sudha Pathak
Name of the Institution	: Sri Sathya Sai College for Women
City	: Bhopal
Pin code	: 462024
Accredited status	: B+, B++ (B.Ed.)
Work phone	: 0755- 2451119
Website	: <a href="http://www.srisatyasaiedubpl.org">www.srisatyasaiedubpl.org</a>
Mobile	: 09893003202
Fax	: 0755-2456308
Email	: <a href="mailto:ssswcbhopal@yahoo.co.in">ssswcbhopal@yahoo.co.in</a>

***Evaluative Report of  
the Departments***





*Department of Botany  
and Microbiology*

# Department of Botany and Microbiology

1. **Name of the department** - Botany and Microbiology
2. **Year of Establishment** - Botany Department- 1981  
Microbiology Department- 2006
3. **Names of Programmes/ Courses offered**–UG  
B.Sc. (Microbiology)  
B.Sc. (Botany)
4. **Names of Interdisciplinary courses and the departments / units involved**–Nil
5. **Annual/semester/choice based credit system (programme wise)**–Semester System
6. **Participation of the department in the courses offered by other departments**–
  - Teaching EVS in B.C.A and B.Sc.
  - Teaching paper “Biology for Chemist” in M.Sc. (Chemistry)
  - Teaching course content in M.Sc. Biotechnology
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**–Nil
8. **Details of courses/ programmes discontinued (if any) with reasons**–Nil
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	04	04

**10. Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	Ph.D. Students Guided for the Last 4 years
Dr. Renu Mishra	Ph.D., M.Sc. (Botany)	Asst. Prof.	Aerobiology and Allergy, Plant Pathology, Microbiology	24	11
Mrs. Rajashree Srinivasa	M.Sc. (Botany) Ph.D. Thesis Submitted	Asst. Prof.	Genetics & Plant breeding	15	
Mrs. Shikha Mandloi	M.Sc. (Microbiology) Ph.D. Thesis Submitted	Asst. Prof.	Microbiology	07	
Mrs. Nishi Yadav	M.Sc. (Microbiology) pursuing Ph.D.	Asst. Prof.	Microbiology	03	

**11. List of senior visiting faculty –**

**Botany**

- Dr. Shashi Rai, Director, Hemukulani Society, Sant Hirdaram College, Bairagarh Bhopal.
- Dr. S. S. Khan, Retd. Professor of Botany, Saifia College, Bhopal
- Dr. P. K. Rai, Retd. Professor of Botany, Govt. MVM College, Bhopal
- Dr. Ranjana Varma, Professor of Botany, Govt. SNGGPG college, Bhopal

**Microbiology**

- Dr. Anil Prakash, Professor of Microbiology, UTD, Bhopal
- Dr. Vinod Singh, Professor of Microbiology, UTD, Bhopal
- Dr. Ritu Bais, Professor of Microbiology, Govt. SNGGPG College, Bhopal

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty–Nil**

**13. Student-Teacher Ratio(programme wise)–**

U.G.	B.Sc. (Biology)	Botany - 25:1 Microbiology - 11:1
	B.Sc. (Biology and Maths)	F.C.(EVS) - 111:1
	B.C.A.	F.C.(EVS) - 32:1
P.G.	M.Sc. (Chemistry)	Chemistry - 2:1
	M.Sc. (Biotechnology)	Biotechnology - 4:1

**14. Number of academic support staff(technical) and administrative staff; sanctioned and filled–**

	Sanctioned	Filled
Technical Staff	02	02
Administrative Staff	-	-

**15. Qualifications of teaching faculty with DSc / D.Litt / Ph.D /MPhil/PG.–**

Qualification	No. of Faculty
DSc	
D.Litt	
Ph.D	01
M.Phil	
PG	03 (02 have submitted Thesis)

**16. Number of faculty with ongoing projects from**

a) **National** - Nil

b) **International** - Nil

**Funding agencies and grants received** - Nil

**17. Departmental projects funded by DST - FIST;UGC, DBT, ICSSR, etc. and total grants received–**

- Dr. Renu Mishra, “Study of mycodiversity of soil and air in Bhopal and Preparation of gene bank”. Total grant received - Rs.1,00,000/- in year 2008-10.  
Funding agency- UGC, Status - Completed
- Dr. Renu Mishra, “Investigation on extraction and antimicrobial activity of certain medicinal plants indigenous to M.P.” Total grant received - Rs.1,30,000/- in year 2012-14.  
Funding agency- UGC, Status- Completed

**18. Research Centre/ facility recognized by the University - Under process**

**19. Publications:**

	Dr. Renu Mishra	Mrs. Rajashree Srinivasa	Mrs. Shikha Mandloi	Mrs. Nishi Yadav
No. of publications	12	06	11	02
Papers published in peer reviewed journals	07	03	06	01
Publications listed in International Database	06	02	05	01
Monographs	Nil	Nil	Nil	Nil

Chapter in Books			1.Distance Education self-instructional material for M.Sc. Botany, 2007-10, M.Sc. Biology for Chemist, 2009-10 in Bhoj (open) University Bhopal (M.P.)	
Books Edited	1.Distance Education self-instructional material for M.Sc. Botany, 2007-10, M.Sc. Biology for Chemist, 2009-10 in Bhoj (open) University Bhopal (M.P.)			
Books with ISBN/ISS Numbers with details of publishers				
Citation Index				
SNIP	02	01	02	
SJR	02(0.129)	01	02	
Impact factor	04 (1.89,3,4.7 and 5.4)		03 (1.89,3 and 5.4)	01 (2.44)
H-index				

#### List of Publications: Dr. Renu Mishra

- Nagmi Aliya, **Renu Mishra**, Manish Soni. A review on urinary incontinence in women., *International Journal of universal pharmacy & Bioscience* Vol3(3)67-78 (2014).
- Renu Mishra. A comparative study of Phyllosphere mycoflora of *Azadirachta indica* of polluted and non polluted area .*HIGHBROW* Vol. 1 (1) 281-288.
- Mandloi S., **Mishra R .**, Verma., R. Mugal S. and S. Rajshree. Phytochemical analysis of leaf extract of *Terminalia catappa L.* *National Journal of Applied and Pure Biology (International Journal)*. (2013).
- Nagmi Aliya, Vishnu Pal, **Renu Mishra** A prospective study of UTI based on direct microscopy and culture of urine along with antibiotic sensitivity test of urinary pathogens in population of Bhopal. *International Journal of universal pharmacy & Bioscience*. (2013).
- Shubhangi Mugal, Ranjana Verma, **Renu Mishra** and Shikha Mandloi. Inhibitory effect of essential oils on extracellular lipase activity of *Malassezia*

*globosa*. *International journal of Pharma and Biosciences*. Vol 4(2). 22-28. (2013).

- Binu Varghese, Jagrati Tripathi, Shikha Mandloi and **Renu Mishra**. A Comparitive phytochemical study of the extracts of ripe and unripe fruits of *Aegle marmelos* (L.) *Correa Indian J. Applied & Pure Bio*. Vol. 28 (1). 113-118. (2013).
- Nagmi Aliya, **Mishra Renu**, “Seroprevalence of HBs Ag among Patients in and around Bhopal” *Indian Journal of Applied and Pure Biology*. Vol-2 (1): PP: 103-108(2013).
- Nagmi Aliya, **Mishra Renu**. “Seroprevalence of HBs Ag among Blood Donars in and around Bhopal” ( Ref No.- IJCPR-675) in *International Journal of Current Pharmaceutical Reearch* (IJCPR). (April 2013).
- Shikha Mandloi, Rajashree Srinivasa, **Renu Mishra**, Ranjana Verma. Antifungal activity of alcoholic leaf extracts of *Terminalia catappa* and *Terminalia arjuna* on some pathogenic and allergenic fungi. *Advances in Life Science and Technology*. vol.8,25-27 (2013).
- Shikha Mandloi, **Renu Mishra**, Ranjana Verma, Binu Varghese, Jagrati Tripathi. A study on Phytochemical and antifungal activity of leaf extracts of *Terminalia catappa*. *International journal of Pharma and Biosciences*. 4 (4) (B)1385 -1393. (2013 oct). Shubhangi Limje , **Renu Mishra** , Ranjana and Shikha Mandloi. Fungicidal activity of *Trigonella foenum graceeum* seeds on *Malassezia globosa*. *Nanobiotechnica Universale* Vol. 2 (1), 27-32. (2011)
- Shubhangi Limje, **Renu Mishra**, Ranjana and Shikha Mandloi. The genus *Malassezia* isolation and identification. *J. Basic .Appl. Mycol*.10 (I & II):3-7. (2011).
- S.Mandloi, **R.Mishra**, R.Verma. “Study of viable fungal spores prevalence at different sites of Bhopal, Madhya Pradesh”. *Indian Jr. of Aerobiology*: Vol 23, No. 2 PP 61-67. (2010).
- Shakya. K., **Mishra. R.** and Sam S. Inhibitory effect of *Glycyrrhiza glabra* Linn. Extract on deoxyribose degradation. *Biosci. Biotech. Res. Comm*. 1(1), 54-58.( 2008).

## 20. Areas of consultancy and income generated– Income generated by job oriented project.

S. No.	Job Oriented Project Title	Subject	No. of students	Year	Income Generated
1.	A comparative study of phyllosphere mycoflora of <i>Azadiracta indica</i> of polluted and non-polluted area	Microbiology	05	2013-14	Rs.9,000
		Botany	04		
2.	Phytochemical and biochemical analysis of leaf extract of <i>Terminalia Catappa</i>	Microbiology	07	2012-13	Rs.10,000
		Botany	04		

3.	Study of antimicrobial activity of various solvent extracts from four different plants.	Microbiology	11	2011-12	Rs.12,000
		Botany	07		

21. **Faculty as members in**

- a) **National committees** - Nil
- b) **International Committees** - Nil
- c) **Editorial Boards** - Dr. Renu Mishra- Madhya Pradesh Bhoj (open) University Bhopal (M.P.)

22. **Student projects: Botany & Microbiology**

- a) **Percentage of students who have done in-house projects including inter departmental / programme–**

Year	Class	Percentage of Students	
		Botany	Microbiology
2013-14	Final Year – UG	33.33%	100%
2012-13	Final Year – UG	23.52%	100%
2011-12	Final Year – UG	23.33%	100%
2010-11	Final Year – UG	-	-

- b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies–**

Year	Class	Percentage of Students	
		Botany	Microbiology
2013-14	Final Year – UG	-	-
2012-13	Final Year – UG	-	-
2011-12	Final Year – UG	-	-
2010-11	Final Year – UG	33.33%	100%

23. **Awards / Recognitions received by faculty and students –**

Head of the department Dr. (Smt.) Renu Mishra along with Smt. Rajashree Srinivasa, attended and presented their research work in International Conference on Monocots held at Fordham University, New York, USA from 7<sup>th</sup> July to 13<sup>th</sup> July 2013.

Year	Class	Name of student	Awards/Recognitions received	Rank
2009-10	B.Sc. III	Swati Pathak	Merit list of Barkatullah University, Bhopal	3 <sup>rd</sup>
	B.Sc. III	Nandini Singh	Merit list of Barkatullah University, Bhopal	10 <sup>th</sup>
2008-09	B.Sc. III	Sonam Shrivastava	Merit list of Barkatullah University, Bhopal	7 <sup>th</sup>
2007-08	B.Sc. III	Shampa Das	Merit list of Barkatullah University, Bhopal	9 <sup>th</sup>
2006-07	B.Sc. III	Swapna V.S.	Merit list of Barkatullah University, Bhopal	3 <sup>rd</sup>
2005-06	B.Sc. III	Malini Menon	Merit list of Barkatullah University, Bhopal	2 <sup>nd</sup>
2004-05	B.Sc. III	Anisha Manoharan	Merit list of Barkatullah University, Bhopal	10 <sup>th</sup>

24. **List of eminent academicians and scientists / visitors to the department –**

S.No	Name of the academicians/scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1.	Dr.Shashi Rai	Ex-Principal, Ex-member, UGC, New Delhi, Director, HemuKalani Society, Sant Hirdaram College, Bairagarh, Bhopal.
2.	Dr. S. S. Khan	Retd. Professor of Botany, Saifia College Bhopal
3.	Dr. P. K. Rai	Retd. Professor of Botany, Govt. MVM College, Bhopal
4.	Dr.Ranjana Varma	Professor of Botany, Govt. SNGGPG college Bhopal
5.	Dr. Anil Prakash	Professor of Microbiology, UTD, Bhopal
6.	Dr.Vinod Singh	Professor of Microbiology, UTD, Bhopal
7.	Dr. Ritu Bais	Professor of Microbiology, Govt. SNGGPG College, Bhopal

25. **Seminars/Conferences/Workshops organized & the source of funding-** Nil

- a) **National**
- b) **International**

26. **Student profile programme / coursewise:** Botany & Microbiology



UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received		Selected		Enrolled in Exam		Pass percentage	
		Botany	MB	Botany	MB	Botany	MB	Botany	MB
2013-14	B.Sc. Sem I	23	09	20	08	20	08	100%	100%
	B.Sc. Sem II	20	08	20	08	20	08	100%	100%
	B.Sc. Sem III	18	09	18	08	18	08	100%	100%
	B.Sc. Sem IV	17	08	17	08	17	08	100%	100%
	B.Sc. Sem V	12	05	12	05	12	05	100%	100%
	B.Sc. Sem VI	12	05	12	05	12	05	100%	100%
2012-13	B.Sc. Sem I	23	09	22	09	22	09	100%	100%
	B.Sc. Sem II	20	08	20	08	20	08	100%	100%
	B.Sc. Sem III	12	05	12	05	12	05	100%	100%
	B.Sc. Sem IV	12	05	12	05	12	05	100%	100%
	B.Sc. Sem V	17	07	17	07	17	07	100%	100%
	B.Sc. Sem VI	17	07	17	07	17	07	100%	100%
2011-12	B.Sc. Sem I	13	05	13	05	13	05	100%	100%
	B.Sc. Sem II	13	05	12	05	12	05	100%	100%
	B.Sc. Sem III	18	07	18	07	18	07	100%	100%
	B.Sc. Sem IV	18	07	18	07	18	07	100%	100%
	B.Sc. Sem V	30	11	30	11	30	11	100%	100%
	B.Sc. Sem VI	30	11	30	11	30	11	100%	100%
2010-11	B.Sc. Sem I	23	07	16	07	16	07	100%	100%
	B.Sc. Sem II	16	07	16	07	16	07	100%	100%
	B.Sc. Sem III	31	11	31	11	31	11	100%	100%
	B.Sc. Sem IV	31	11	31	11	31	11	100%	100%
	B.Sc. Sem V	42	09	42	09	42	09	100%	100%
	B.Sc. Sem VI	42	09	42	09	42	09	100%	100%

27. **Diversity of Students - Botany and Microbiology**

Batch	Name of the Course	% of students from the same state		% of students from other States		% of students from abroad	
		Botany	Micro-biology	Botany	Micro-biology	Botany	Micro-biology
2013-14	UG I Year	100%	100%	-	-	-	-
	UG II Year	100%	100%	-	-	-	-
	UG III Year	100%	100%	-	-	-	-
2012-13	UG I Year	95.45%	100%	4.54%	-	-	-
	UG II Year	95.45%	100%	4.54%	-	-	-
	UG III Year	95.45%	100%	4.54%	-	-	-
2011-12	UG I Year	100%	100%	-	-	-	-
	UG II Year	100%	100%	-	-	-	-
	UG III Year	100%	100%	-	-	-	-
2010-11	UG I Year	93.75%	100%	6.25%	-	-	-
	UG II Year	93.75%	100%	6.25%	-	-	-
	UG III Year	93.75%	100%	6.25%	-	-	-

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**

S. No.	Name of Student	Placement
1.	Jyoti Mehta	QC incharge of C.J. gelatin product Ltd.
2.	Ranu Sengar	Director of Sengar HR sevice Pvt. Ltd.
3.	Poorva Rampalliwar	Management trainee of Mahindra and Mahindra finance service Ltd.
4.	Monika Kaushik	P.O. at Axis Bank
5.	Malini Menon	Union Junior research officer Jaqqur research institute Banglore

29. **Student progression - No PG courses in the department**

30. **Details of Infra structural facilities**a) **Library -**

No. of books in central library (976Botany+ 53Microbiology) =1029

No. of books in departmental Library (155Botany+28 Microbiology) =183

No. of books in departmental book bank- 386

Number of journals-01

b) **Internet facilities for Staff & Students -** 02 computers with printer & internet facility.c) **Class rooms with ICT facility -** Whenever required we share the ICT facility with Biotechnology/Computer department.d) **Laboratories (Major Instruments) / Facilities -** One laboratory for Botany and Microbiology with common instruments.

- Botany equipment/apparatus- 35
- Botany Charts- 134
- Microbiology equipment/apparatus- 23
- Microbiology charts- 11

31. **Number of students receiving financial assistance from college, university, Government or other agencies–**

S.No	Year	Type of the Scholarship	No. of Beneficiaries
	2013-14	Government	-
		College (Free Ship)	01
		College (SC)	02
	2012-13	Government	01
		College (FS)	04
		College (SC)	01
	2011-12	Government	05
		College (FS)	04
		College (SC)	03
	2010-11	Government	02
		College (FS)	-
		College (SC)	-

32. **Details on student enrichment programmes (special lectures /workshops /seminar) with external experts –**

- Workshop on plant taxonomy by Dr. S. S. Khan
- Lecture and workshop on vermicomposting

**33. Teaching methods adopted to improve student learning–**

- Month wise distribution of syllabus done by teachers.
- Black board teaching with teaching aids like charts, Models, etc.
- Power point presentation on number some topics.
- Separate time after teaching, for questions and discussion.
- Topics given to students for assignments.
- Class test taken after completion of syllabus.
- Students are motivated to express freely and interact with teachers.
- One to one support teaching for slow learners.
- Solving question papers, objective as well as theory to familiarize the pattern of questions.
- Journals and scientific magazines made available to the students.
- One to one contact with parents over the progress of their ward.
- Introducing students to research methodology.
- Students are motivated to attend various workshop and seminar.
- Final year students made to work on job Oriented projects, like phytochemical analysis, extraction of crude alkaloids by different methods, Study on antimicrobial activity of certain medicinal plants etc.
- Teachers are updated with latest research work by attending number of National / international / Conferences/ Seminars.

**Innovative Practice**

- Conservation of Energy is practiced.
- Promotion of Ecofriendly campus and Polythene free campus.
- E-waste management through proper disposal
- Coordination with EPCO(Environmental Planning Co-ordination Organization).
- Internet facility in departments.
- Roof water harvesting.
- Motivational lectures every Thursday.
- Best out of waste practice.
- Students power point presentation, seminars.
- Vermicomposting

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities–**

The students participate in institutional social responsibility and extension activities through NCC and NSS. The details of which are as follows:

Session	NSS	NCC
2010-11	Nil	04
2011-12	01	03
2012-13	07	01
2013-14	13	06

35. **SWOC analysis of the department and Future plans -**

**Strength:**

- Department strength is highly motivated dedicated and passionate teachers.
- Everready staff to take orders for department work as well as to attend students.
- Well-equipped laboratory with all modern instruments and gadgets for research students.
- Ample space for students to work in well ventilated Laboratory.
- One to one interaction with students.
- Financial aid for weaker section of students.
- Providing books for needy students.
- Students encouraged for short presentation in respected subjects.
- A Below average student during admission, pass with flying colours at the end of the course securing position in the university merit list.

**Weakness:**

- A presentation room for Botany & Microbiology.
- Less no. of students in Botany & Microbiology.

**Opportunities:**

- With well-equipped laboratory and various Instruments, students are motivated to take up research work for their future studies.
- Department is actively involved in research work with seven research scholars registered for Ph.D. under Dr. Renu Mishra.
- Students take up Job oriented project and concerned teacher assist them in performing practicals as well as to write the project report.
- Opportunities to participate various developmental programs, seminars and workshops organized at various national and international level in different institutions and universities
- Platform to showcase hidden talent of students and provides facility to pursue research work.

**Challenges:**

- To introduce more Job oriented course to open better Job ventures for outgoing students.
- To introduce change in university curriculum for Botany, insisting more on field study than total laboratory based study.
- Department aims at opening post-graduation course in microbiology in near future.
- More research oriented teaching.

**Future Plans:**

- Subscribing for more National and International journals.
- Purchase licensed software packages for research purpose.

**Any Other:**

Student of the department publish a news letter “Bio Illuminati” to publish the latest findings of there subject and departmental activities.



*Department of Chemistry*

# Department of Chemistry

- Name of the department** - Chemistry
- Year of Establishment** - 1981
- Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)** - B.Sc.(Maths), B.Sc.(Biology) and M.Sc. (Chemistry)
- Names of Interdisciplinary courses and the departments/units involved** - Nil
- Annual/semester/choice based credit system (programme wise)** - Semester System
- Participation of the department in the courses offered by other departments** - Nil
- Courses in collaboration with other universities, industries, foreign institutions, etc.** - Nil
- Details of courses/programmes discontinued (if any) with reasons** - Nil
- Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	6	4+2(adhoc)

- Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr. Charanjeet Kaur	Ph.D., M.Sc.	HOD (Chemistry)	Organic	31 (Voluntary Retirement on 29.06.13)	Nil

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr. Neena Arora	Ph.D., M.Sc.	HOD Chemistry	Organic	18	Nil
Mrs. Kiran Shandilya	M.Sc.	Asst. Prof. Chemistry	Physical	11	Nil
Mrs. Pooja Kaur Chaggar	M.Sc.	Asst. Prof. Chemistry	-	9	Nil
Mrs. Supriya Singh	M.Sc.	Asst. Prof. Chemistry	-	08	Nil
Dr. Varsha Saxena	Ph.D., M.Sc.	Asst. Prof. Chemistry (Adhoc)	Organic	5	Nil
Ms. Ancy Varghese	M.Sc.	Asst. Prof Chemistry (Adhoc)	-	2	Nil

**11. List of senior visiting faculty -**

- Dr. Kusum Sharma – HOD Chemistry Motilal Vigyan Mahavidyalaya, Bhopal
- Dr. Sarita Shrivastava – Prof. of Chemistry Motilal Vigyan Mahavidyalaya, Bhopal
- Dr. Smita Joshi – HOD Chemistry Govt. Sarojini Naidu Govt. Girls PG College, Bhopal

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty -**

Upto June 2013: 100% by permanent faculty (lectures and practicals)

In Session 2013-2014: 33% by Temporary faculty (lectures and practicals)

**13. Student-Teacher Ratio (programme wise) –**

U.G.	20:1
P.G.	2:1
F.C.	-

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled –**

	Sanctioned	Filled
Technical Staff	2	2
Administrative Staff	-	-



**15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

Qualification	No. of Faculty
DSc	-
D.Litt	-
Ph.D	2
M.Phil	-
PG	4

**16. Number of faculty with ongoing projects from**a) **National** - Nilb) **International** - Nil**Funding agencies and grants received -**

01 Minor research project applied in University Grants Commission in 2014-15, 01 major project applied in Department of Biotechnology 2014-15

**17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received -**

01 PROJECT FUNDED BY UGC IN 2012

Name of the investigator	Title of the project and duration	Funding agency	Amount received	
Dr. Charanjeet Kaur (Voluntary Retirement on 30 June 2013)	Studies on decontamination of some aqueous metal ions by nano particles of zero valent iron duration - 2 years	University Grants Commission	1,25,000 Sanctioned on 31 March 2012	70,000/ Received On 31 March 2012

**18. Research Centre/facility recognized by the University - Under Process with Barkatullah University****19. Publications:**

Publication per faculty –

	Dr. Charanjeet Kaur	Dr. Neena Arora	Dr. Varsha Saxena
No. of publications	11	08	04
No. of papers published in peer reviewed journals	11	07	03
No. of publications	01	02	03

listed in International Database			
Monographs	-	-	-
Chapter in Books	1. "Pollution : the ugly face of Environment"	1. "Biofertilizer : An Ecofriendly Input for Sustainable Agriculture' in "Pollution : the ugly face of Environment" 2. Self instructional material for M.Sc Chemistry Bhoj Open University, Bhopal	
Books Edited	-	-	-
Books with ISBN/ISS Numbers with details of publishers	-	-	-
Citation Index	-	-	-
SNIP	-	-	-
SJR	-	-	-
Impact factor	0.604,	0.048, 0.048	0.621, 1.577, 3.45
H-index	-	-	-

- Number of papers published in peer reviewed journals (national/international) by faculty and students -

Name	Publications	National	International
Dr. Charanjeet Kaur	11	2	9
Dr. Neena Arora	08	02	06
Dr. Varsha Saxena	4	01	03

#### 20. Areas of consultancy and income generated -

Year	No. of students	Subject	Job Oriented Project Title	Income Generated
2013-14	21	Chemistry	Water Analysis	Nil
2012-13	12	Chemistry	Water Analysis	Nil

**21. Faculty as members in**

- a) **National committees:** Nil
- b) **International Committees:** Nil
- c) **Editorial Boards:** Nil

**Other memberships**

Dr. Neena Arora

- Fellow Of Indian Chemical Society Fellowship No. F/76259(LM)
- Empanelled as faculty /guide for Post Graduate Diploma in Environment Management course in Environmental Planning and Coordination Organization, Bhopal
- Life Member Indian Science Congress Association, KOLKATA
- Life member of Indian Chemical Analytical Society
- Supervisor for Ph.D. degree of Barkatullah University in Chemistry.

**22. Student projects**

- a) **Percentage of students who have done in-house projects including inter departmental/programme –**

Year	Class	Percentage
2013-14	Final Year – UG (21)	35.29 %
	Final Year –PG	Nil
2012-13	Final Year – UG (21)	55.26 %
	Final Year –PG	Nil
2011-12	Final Year – UG	Nil
	Final Year –PG	Nil
2010-11	Final Year – UG	Nil
	Final Year –PG	Nil

- b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –**

Year	Class	Percentage
2013-14	Final Year – UG	Nil
	Final Year –PG (9)	100%
2012-13	Final Year – UG	Nil
	Final Year –PG(8)	100%
2011-12	Final Year – UG	Nil
	Final Year –PG(21)	100%
2010-11	Final Year – UG(2)	4.44 %
	Final Year –PG (11)	100%

## 23. Awards/Recognitions received by faculty and students –

Student Name	Award Received
SonamShrivastava (B.Sc.,)	VII Position in merit list of university 2009( 2006-2009)
Swati Pathak (B.Sc)	III Position in merit list of university 2010( 2007-2010)
Nandini Singh(B.Sc.)	10 <sup>th</sup> Position in merit list of university 2010( 2007-2010)
PoojaGhavri (M.Sc., Chemistry)	Scored I Position in university merit list of 2011 (2009-2011)

Name	Award Received	Recognitions Received
Dr. Neena Arora		<ul style="list-style-type: none"> <li>▪ Resource person for teachers training workshop of M.P Board of secondary education Bhopal</li> <li>▪ Chairperson for Ist technical session of International Conference on “Land water resources, Biodiversity &amp; Climate Change”, 2010, Bhopal</li> </ul>
Mrs. PoojaKaurChaggar		<ul style="list-style-type: none"> <li>▪ Subject expert of the multimedia material produced by Devi Ahilya VishwaVidyalaya, Indore.</li> </ul>
Dr. Charanjit Kaur	1. Honored by Kendriya Shri Guru Singh Sabha at Bhopal, Ujjain, Indore & Raipur.	<ul style="list-style-type: none"> <li>▪ Resource person in Various Workshops at the Regional Institute of Education.</li> <li>▪ Resource person in Teachers Training Institute of Madhya Pradesh Board of Secondary Education, Bhopal.</li> <li>▪ Convener for national seminar on “Global Dimensions to preserve and protect the environment”, 2006, at SSSWC, Bhopal</li> <li>▪ Convener for national seminar on “New Horizons in Toxicology &amp; sustenance of life”, 2007, SSSWC, Bhopal</li> </ul>

	<p>2. Recipient of Hindi SeviSamman 2012 by the Governor of Madhya Pradesh, His Excellency Shri Ramnaresh Yadav on 2/10/2012.</p>	<ul style="list-style-type: none"> <li>▪ Chief Guest to deliver Key Note Address at National workshop on “Women, Water and Environment” organised by Zakaria PG College Aurangabad in 2010</li> <li>▪ Invited as panelist in “Meet the Scientist” program organized by Regional Science Centre on National Science Day on 28.02.2011</li> <li>▪ Treasurer Indian Science Congress Association, Bhopal Chapter from 2009 to 2012.</li> <li>▪ Invited as Resource person to deliver talk on Computation Chemistry in Oct. 2011 at National Conference on “Condensed Matter &amp; Material Physics”organised by Govt. Maharani Lakshmi Bai PG College, Bhopal.</li> <li>▪ Recognized research guide of Two Universities(BarkatullahUniversity and Bhoj)</li> <li>▪ Associate Editor of the two Research Journals:Current World Environment.&amp; Journal of Environmental Research and Development.</li> </ul>
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24. **List of eminent academicians and scientists/visitors to the department –**

<b>Eminent academicians / Scientists/visitors</b>	<b>Designation&amp; affiliation of the academicians/ scientists/visitors</b>
Dr.P.S. Kalsi	Former Dean, Punjab Technical University, Jalandhar
Prof.H.S Patel	Sardar Patel University, Gujarat
Prof. P.B. Shama	Vice Chancellor., Rajiv Gandhi ProdyogikiVishwavidyalaya, Bhopal
Dr. GyanVardhan Pathak	Professor, Political Science & Public Administration, Institute for Excellence in Higher Education, Bhopal
Dr.P. Maini	Former Director, Institute for Excellence in Higher Education Bhopal.
Shri.C.S. Chadha	Ex-Vice Chancellor, Devi Aahilya Bai VishwaVidyalay, Indore
Dr.AlkaVyas	Education Officer, University Grants Commission, Bhopal

Prof.(Mrs.)Shashi Rai	Ex-Member UGC, New Delhi, Director, Sant Hirdaram College, Bhopal
Dr. Kusum Sharma	HOD- Chemistry, Motilal Vigyan Mahavidyalay, Bhopal
Dr.SaritaShrivastava	Prof. of Chemistry, Motilal Vigyan Mahavidyalay, Bhopal
Dr. Santosh Kumar Shrivastava	Retd. Prof & Head, Department of Biosciences, Barkatullah University, Bhopal
Dr. S.K.Kulshreshta	Convenor, Indian Science Congress Association, Bhopal Chapter
Prof S.Qureshi	HOD Chemistry, Govt. Geetanjali Girls P.G. College, Bhopal
Prof. V.P.Gupta	Department of Chemistry, Regional Institute of Education. Bhopal
Dr.Aarti Kaul Patel	Jawaharlal Nehru Cancer Hospital, Bhopal
Ms. Shalini Jain	Assistant Professor, Aanand Vihar School, Bhopal
Dr.S.D. Kulkarni	Director, Central Institute of Agriculture Engineering, Bhopal
Dr.Rekha Bhadauria	School of Studies in Botany, Jiwaji University, Gwalior
Dr.A.A. Hashmi	Department of Chemistry, Jamia Milia University, New Delhi
Prof. Shivakar Thakur	Parvatibai Gokhale Vigyan Mahavidyalaya, Gwalior
Dr. S.A. Shaffi	Dean, Regional Institute of Education, Bhopal
Prof. S.A. Iqbal	Department of Chemistry, Safia Science College, Bhopal
Mr. G.K. Mehram	Deputy Manager, Indian Oil Corporation, Bhopal
Dr. Sharique A. Ali	HOD, Department of Biotechnology, Safia Science College, Bhopal
Dr. Suman Malik	HOD, Chemistry, Sadhu Vaswani College, Bairagarh, Bhopal
Dr. M.U.Khan	Retd. Principal, Govt. P.G. College, Budhar (Rewa)
Dr. Shashi Srivastava	Retd. Professor of Chemistry, Sarojini Naidu Govt. Girls P.G.college, Bhopal
Dr. Sunanda Chouhan	Retd. Professor of chemistry, Sarojini Naidu Govt. Girls P.G.college, Bhopal

## 25. Seminars/Conferences/Workshops organized &amp; the source of funding

a) National- 02

b) International - Nil

Seminar/workshop organised	Date	Sponsor	Topic
Workshop	17-18 oct 2014	-	'Instrumentation for UG level'
Women Entrepreneurship Development Program, (Workshop)	12/12/12 to 12/01/13	National Science & Technology Entrepreneurship Development Board & Department of Science and Technology, India	Women entrepreneurship development program, in collaboration with Entrepreneurship Development Institute of India, Ahmedabad
National Seminar	23 Dec 2006	Madhya Pradesh Council of Science & Technology, Bhopal	Global Dimensions to Preserve and Protect the Environment
National Seminar	23-24 Feb 2007	University Grants Commission, Bhopal	New Horizons in Toxicology & Sustenance of life

## 26. Student profile programme/course wise:

UG Batch	Name of the Course/ programme (refer question no. 3)	Applications received	Selected	Enrolled in Exam	Pass percentage
2013-14	B.Sc. I Sem	63	63	47	97.8%
	B.Sc. II Sem	-	-	46	100%
	B.Sc. III Sem	32	32	32	96.8%
	B.Sc. IV Sem	-	-	31	100%
	B.Sc. V Sem	34	34	34	100%
	B.Sc. VI Sem	-	-	34	100%
2012-13	B.Sc. I Sem	45	45	34	100%
	B.Sc. II Sem	-	-	33	100%
	B.Sc. III Sem	39	39	37	97.29%
	B.Sc. IV Sem	-	-	36	100%
	B.Sc. V Sem	44	44	38	100%
	B.Sc. VI Sem	-	-	38	100%
2011-12	B.Sc. I Sem	45	45	38	96%
	B.Sc. II Sem	-	-	37	97.29%
	B.Sc. III Sem	44	44	39	100%
	B.Sc. IV Sem	-	-	39	100%
	B.Sc. V Sem	41	41	37	100%
	B.Sc. VI Sem	-	-	37	100%

2010-11	B.Sc. I Sem	48	48	38	100%
	B.Sc. II Sem	-	-	37	100%
	B.Sc. III Sem	42	42	38	100%
	B.Sc. IV Sem	-	-	38	100%
	B.Sc. V Sem	45	45	45	100%
	B.Sc. VI Sem	-	-	45	100%

PG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled in Exam	Pass percentage
2013-14	M.Sc. I Sem	4	4	4	100 %
	M.Sc. II Sem	-	-	4	100%
	M.Sc. III Sem	9	9	9	100%
	M.Sc. IV Sem	-	-	8	88.8%
2012-13	M.Sc. I Sem	13	13	12	83.3%
	M.Sc. II Sem	-	-	10	100%
	M.Sc. III Sem	6	6	6	100%
	M.Sc. IV Sem	-	-	6	100%
2011-12	M.Sc. I Sem	8	8	8	87.5%
	M.Sc. II Sem	-	-	6	100 %
	M.Sc. III Sem	21	21	21	100%
	M.Sc. IV Sem	-	-	21	95.4%
2010-11	M.Sc. I Sem	24	24	22	100%
	M.Sc. II Sem	-	-	22	95.4%
	M.Sc. III Sem	10	10	10	100%
	M.Sc. IV Sem	-	-	10	100%

## 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	100 %	Nil	Nil
	UG II Year	100%	Nil	Nil
	UG III Year	97.22%	2.78%	Nil
	PG I Year	100 %	Nil	Nil
	PG II Year	100 %	Nil	Nil
2012-13	UG I Year	100 %	Nil	Nil
	UG II Year	97.22%	2.78%	Nil
	UG III Year	81%	19%	Nil
	PG I Year	100 %	Nil	Nil



	PG II Year	85.7 %	14.3 %	Nil
2011-12	UG I Year	97.22%	2.78%	Nil
	UG II Year	81%	19 %	Nil
	UG III Year	100	Nil	Nil
	PG I Year	85.7%	14.3 %	Nil
	PG II Year	95.6%	4.4 %	Nil
2010-11	UG I Year	81%	19%	Nil
	UG II Year	100	Nil	Nil
	UG III Year	100%	Nil	Nil
	PG I Year	95.6%	4.4 %	Nil
	PG II Year	90.0%	10.0%	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? –

S.No	Year	Name of Exam	No. of Students
1	2008-09	SSB PO, Bank of India	1
2	2010-11	RBI	1

29. Student progression

Student progression	Against % enrolled			
	(2010-2011)	(2011-12)	(2012-13)	(2013-14)
UG to PG(Chemistry)	13.2%	4.5%	5.4 %	2.6 %
PG to M.Phil.	Nil			
PG to Ph.D.	Nil			
Ph.D. to Post-Doctoral	Nil			
Employed	---			
•Campus selection	---			
•Other than campus recruitment	40			
Entrepreneurship/Self-employment	32			

30. **Details of Infrastructural facilities**

- a) **Library** –Library having books - 903 + 04 Journal  
 Departmental Library – Available - 102  
 Book Bank - 88
- b) **Internet facilities for Staff & Students** –Available for staff members and for PG students from 3 to 5 pm and for UG students when needed.
- c) **Class rooms with ICT facility** - YES
- d) **Laboratories(Major Instruments)/ Facilities** –

Well equipped, well ventilated large chemistry laboratory is provided to students of B.Sc. and M.Sc. Laboratory is fitted with safety measure like fire extinguisher, exhaust fans, separate room for storing Liquified Petroleum Gas cylinders. Separate instrumentation room is equipped with instruments - UV Visible spectrophotometer, Polarograph, digital pH meter, Flame photometer, electronic balance (upto four decimal places), Magnetic stirrer, Suction vacuum pump, Water analysis kit, digital melting point apparatus, colorimeter, Conductometer etc.

31. **Number of students receiving financial assistance from college, university, Government or other agencies –**

S.No.	Year	Type of the Scholarship	No. of Beneficiaries
1	2010-11	Government	10
		Private	-
		College	3
2	2011-12	Government	11
		Private	-
		College	12
3	2012-13	Government	8
		Private	-
		College	18
4	2013-14	Government	4
		Private	1
		College	10

32. **Details on student enrichment programmes (special lectures/ workshops/ seminar ) with external experts -**

- Workshop on ‘Instrumentation for UG level’ was organised on 17-18 Oct 2014. 21 students and research scholars attended the workshop. Poster exhibition and competition was also organised on the same day. Best posters were judged by 3 member committee. Dr. PramilaMaini was the chief guest and she spoke on frontiers in chemistry.
- Department organised Inter College Poster competition in collaboration with

Indian Science Congress Association, Bhopal Chapter, on 11<sup>th</sup> January, 2012.

- Training workshop on ‘Women Enterpreneurship Development Programme’ was conducted in collaboration with Enterpreneurship Development Institute of India, Ahmedabad and was sponsored by Department of Science and Technology from 12-12-12 to 12-01-13. 31 students participated in this workshop.
- 26 students participated in workshop on climate change at Environmental Planning and Coordination Organisation.
- Lecture on ‘Save Mother Earth’ was delivered by Dr. NeenaArora to motivate students for tree plantation and to reduce carbon footprint.

33. **Teaching methods adopted to improve student learning –**

- Chalk- board method
- Smart board
- Power point presentation
- OHP
- Models and charts
- Practical demonstration

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities –**

- NSS –

Year	No. of students	Class
2014-15	10	B.Sc.
2013-14	22	B.Sc.
2012-13	17	B.Sc.
2011-12	15	B.Sc.
2010-11	3	B.Sc.

- NCC –

Year	No. of students	Class
2013-14	7	B.Sc.
2012-13	2	B.Sc.
2011-12	2	B.Sc.
2010-11	6	B.Sc.
2010-11	1	M.Sc.

35. **SWOC analysis of the department and Future plans -**

**Strength:**

- Qualified and dedicated faculty and support staff
- Well equipped and spacious laboratory with separate room for sophisticated instruments
- Rich departmental library and internet facility
- Smart class for PG students
- Staff is engaged in research and publication

**Weakness:**

- No separate store room for chemicals
- Lack of campus selection drives especially for Science students
- Less selection in NET/GATE

**Opportunities:**

- Availability of scholarships for UG and PG students.
- Availability of latest equipments for chemistry practicals.
- Job oriented projects are conducted to orient the students towards research and employment.
- Ample funding available from the National and State Funding Agencies for research activities.

**Challenges:**

- Lack of funding for private colleges.
- To encourage faculty to enroll for doctorate
- To apply for more research projects
- To make chemistry laboratory more eco-friendly
- To increase research activity and aptitude among students
- To encourage students to appear for more NET/GATE exams

**Future Plans:**

- To expand the research activities by writing minor research projects
- Conduct national seminars on environment related chemistry and green synthetic chemistry
- To acquire other latest instrumental techniques by procuring various instruments
- To participate in interdisciplinary seminars and conferences
- To send students for hands on activities in workshops at institute of national importance.



## *Department of Commerce*

# Department of Commerce

1. **Name of the department** - Commerce
2. **Year of Establishment** - 1991
3. **Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)** - UG & PG
4. **Names of Interdisciplinary courses and the departments/units involved** – B.Com with computers – Commerce & Computer Application
5. **Annual/semester/choice based credit system (programme wise)** – Semester System
6. **Participation of the department in the courses offered by other departments** – B.C.A.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** – Nil.
8. **Details of courses/programmes discontinued (if any) with reasons** - Nil.
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	08	05+03(Adhoc)

10. **Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr. Sudha Tripathi	Ph.D., M.Com.	Asst. Prof.	Banking & Business Fin.	23 years	-
Dr. Purnima Joshi	Ph.D., M.Phil.	Asst. Prof.	Accounting & Taxation	22 years	-
Dr. Meena Parashar	Ph.D., M.Com.	Asst. Prof.	Accounting & Taxation	23 years	-

Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr.Soma Nag	Ph.D., M.Phil. M.Com.	Asst.Prof.	Accounting & Taxation	10 years	-
Dr. Seema Soni	Ph.D.,M.Com L.L.B.	Asst.Prof.	Accounting & Taxation	20years	-
Ms.Nirmala Singh	M.Com.	Asst.Prof.	Accounting & Taxation	5years	-
Ms. Neka Shrivastava	M.Com	Asst. Prof.	Accounting	5 Months	-
Ms. Rishika Namdev	M.Com	Asst. Prof.	Marketing Management	5 Months	-
Ms. Karishma Sengar	M.B.A	Asst. Prof.	Marketing Management	4 Months	-

11. **List of senior visiting faculty –Nil.**

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty - Three temporary faculty (19% of total lectures)**

13. **Student-Teacher Ratio (programme wise)**

<b>U.G.</b> 2010-11	78:01
2011-12	85:01
2012-13	85:01
2013-14	88:01
<b>P.G.</b> 2010-11	06:01
2011-12	07:01
2012-13	08:01
2013-14	08:01

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled –**

	Sanctioned	Filled
Technical Staff	02	02
Administrative Staff	-	-

15. **Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

S.No.	Dsc/D.Litt/Ph.D/M.Phil/PG	No.
1	Ph.D.	05
2	M.Phil	02
3	PG	04

16. **Number of faculty with ongoing projects from**  
 a) **National** – Nil.  
 b) **International** – Nil.  
**Funding agencies and grants received –Nil.**
17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received –Nil.**
18. **Research Centre/facility recognized by the University –Nil.**
19. **Publications:**

No.	National/ International Database	Dr. Purnima Joshi	Dr. Soma Nag	Dr. Seema Soni	Ms. Rishika Namdev
1.	National Journal	04	02	01	-
2.	International Journal	-	04	01	02
3.	Books Edited	01	-	-	-
4.	Citation Index	-	-	-	-
5.	SNIP	-	-	-	-
6.	SJR	-	-	-	-
7.	Impact Factor	-	-	0.47	-
8.	H-index	-	-	-	-
9.	Monographs	-	-	-	-

- Chapter in Books –

S.No.	Name of the Faculty	Name of the Book/ Journal	Name of Chapter	Publisher	Year of Publication	ISBN No.
1	Dr. SeemaSoni	“Financial Accounting”- As per the syllabus designed by M.P. Higher Education.	Royalty	Himalaya Publication, Mumbai, Maharashtra	2009-10	978-81-8488-253-7



- Books with ISBN/ISS Numbers with details of publishers –

S.No.	Name of the Faculty	Name of the Book/ Journal	Publisher	Year of Publication	ISBN No.
1	Dr. Purnima Joshi	“Elements of company Accounts”- As per the syllabus designed by M.P. Higher Education.	Himalaya Publication, Mumbai, Maharashtra	2009-10	978-81-8488-405-0

20. **Areas of consultancy and income generated** –Nil.

21. **Faculty as members in**

a) **National Committees:** Four faculty members

1	Dr. Purnima Joshi	1. Life member of Indian Institute of Accounting Association. 2. Life member of All India Association for Education & Research.
2	Dr. Seema Soni	1. Life member of Indian Institute of Accounting Association.
3	Dr. SudhaTripathi	1. Life member of All India Association for Education & Research.
4	Dr. Meena Parashar	1. Life member of All India Association for Education & Research

b) **International Committees:** Nil.

c) **Editorial Boards:** Nil.

22. **Student projects**

a) **Percentage of students who have done in-house projects including inter departmental/programme –**

Nil

b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –**

Year	Class	Percentage
2013-14	Final Year – UG	100
	Final Year – PG	100
2012-13	Final Year – UG	100
	Final Year – PG	100
2011-12	Final Year – UG	100
	Final Year – PG	100
2010-11	Final Year – UG	100
	Final Year – PG	100

## 23. Awards/Recognitions received by faculty and students –

S.No	Name of the Faculty	Award/Recognition received
1	Dr. Purnima Joshi	Best presentation award in technical session in national seminar sponsored by UGC on Taxation, organized by Career College Bhopal.
2.	Dr. SudhaTripathi	Appreciation Award on Teacher's Day from Rotary Club East, Bhopal.
S.No	Name of the Student	Award/Recognition received
1	Ms. Sucheta Bardhan	Gold Medal in International Painting competition
2	Ms Aditi Shrivastav Ms Amrita Malviya Ms. Arushi Gour Ms. Palak Chouksey Ms. Ruby Basnet Ms. Shivangi Dixit MS. Namrata Suryawnshi Ms. Kajal Raghuwanshi	Winner District and State Level Dance Competition in Youth Festival
3.	Kajal Mishra	Participated in RDC, New Delhi
4.	S. Sudha	Best Sports Lady Award Participated in various Sports Activities in Inter-University &,State Level
5.	Nidhi Patel	Participated in various Sports Activities in Inter-University & State Level
6.	Ku. IshaChandoke (B.COM.) (2005-06)	Secured 4 <sup>th</sup> in Merit (Barkatullah University)
7.	Ku. Arpita Dahare (B.COM.) (2005-06 )	Secured 7 <sup>th</sup> in Merit (Barkatullah University)
8.	Ku. Rashim Lal (B.COM.) (2005-06)	Secured 8 <sup>th</sup> in Merit (Barkatullah University)
9.	Ku. Preeti Chakrawarti (B.COM.) (2006-07)	Secured 5 <sup>th</sup> in Merit (Barkatullah University)
10.	Ku. Surbhi Agnihotri (B.COM.) (2007-08)	Secured 5 <sup>th</sup> in Merit (Barkatullah University)
11.	Ku. Afreen Shahid (B.COM.) (2007-08)	Secured 6 <sup>th</sup> in Merit (Barkatullah University)
12.	Ku. Harsha Bajaj (B.COM.) (2009-10)	Secured 3 <sup>rd</sup> in Merit (Barkatullah University)
13.	Ku. Shweta Agrawal (B.COM.) (2009-10)	Secured 9 <sup>th</sup> in Merit (Barkatullah University)
14.	Ku. Shakti Pandey (M.COM.) (2009-10)	Secured 1 <sup>st</sup> in Merit (Barkatullah University)

24. **List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1.	Mr. Mahendra Joshi	ICWA, Institute of Cost Accountant Of India, New Delhi
2.	Ms. Meenal Jain	C.A. Private Practice in Indore
3.	Ms.Taruna Taneja	Director NIIT, Bhopal.
4.	Dr. Kalyani Paramal	Faculty Jaipuriya Institute of Management, Indore
5.	Dr. Pooja Singh	Faculty Jaipuriya Institute of Management, Indore
6.	Ms. Priyanka Kushwaha	Faculty CRISP, Bhopal.

25. **Seminars/Conferences/Workshops organized & the source of funding**

- a) **National** - Nil
- b) **International** -Nil

26. **Student profile programme/course wise:**

UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	B.Com.Isem	236	236	229	100
	B.Com. II sem	236	236	229	100
	B.Com .III sem	210	210	209	100
	B.Com .IV sem	210	210	209	100
	B.Com .V sem	193	193	193	100
	B.Com.VI sem	193	193	192	100
2012-13	B.Com.Isem	231	231	225	99.11
	B.Com. II sem	231	231	223	99.55
	B.Com .III sem	201	201	198	100
	B.Com .IV sem	201	201	200	100
	B.Com .V sem	201	201	200	100
	B.Com.VI sem	201	201	200	99.50
2011-12	B.com Isem	225	225	211	100
	B.Com. II sem	225	225	210	99.04
	B.Com .III sem	211	211	210	100
	B.Com .IV sem	211	211	210	99.52
	B.Com .V sem	187	187	187	100
	B.Com.VI sem	187	187	184	100
2010-11	B.Com.Isem	246	246	236	100
	B.Com. II sem	246	246	228	100
	B.Com .III sem	188	188	178	100
	B.Com .IV sem	188	188	187	100
	B.Com .V sem	213	213	210	100
	B.Com.VI sem	213	213	209	100

PG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	M. Com. I Sem	27	27	27	100
	M. Com. II Sem	27	27	27	100
	M. Com. III Sem	23	23	23	100
	M. Com. IV Sem	23	23	23	95.65
2012-13	M. Com. I Sem	23	23	23	100
	M. Com. II Sem	23	23	23	100
	M. Com. III Sem	19	19	19	100
	M. Com. IV Sem	19	19	19	100
2011-12	M. Com. I Sem	19	19	19	100
	M. Com. II Sem	19	19	19	100
	M. Com. III Sem	16	16	16	100
	M. Com. IV Sem	16	16	16	100
2010-11	M. Com. I Sem	17	17	17	100
	M. Com. II Sem	17	17	17	100
	M. Com. III Sem	06	06	06	100
	M. Com. IV Sem	06	06	06	100

#### 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	97.82	2.18	Nil
	UG II Year	100	Nil	Nil
	UG III Year	98.96	1.04	Nil
	PG I Year	100	Nil	Nil
	PG II Year	95.65	4.35	Nil
2012-13	UG I Year	100	Nil	Nil
	UG II Year	98.96	1.04	Nil
	UG III Year	100	Nil	Nil
	PG I Year	95.65	4.35	Nil
	PG II Year	100	Nil	Nil
2011-12	UG I Year	98.96	1.04	Nil
	UG II Year	100	Nil	Nil
	UG III Year	100	Nil	Nil

	PG I Year	100	Nil	Nil
	PG II Year	100	Nil	Nil
2010-11	UG I Year	100	Nil	Nil
	UG II Year	100	Nil	Nil
	UG III Year	100	Nil	Nil
	PG I Year	100	Nil	Nil
	PG II Year	100	Nil	Nil

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? – Nil**

29. **Student progression**

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	11.227
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed • Campus selection • Other than campus recruitment	2.5 63.28
Entrepreneurship/Self-employment	10

30. **Details of Infrastructural facilities**

a) **Library** - 2608 Books.

Departmental Library -300 Books.

Book Bank – 200 Books

b) **Internet facilities for Staff & Students** -Yes, 01 P.C. with Printer with Internet Facility.

c) **Class rooms with ICT facility** – Nil.

d) **Laboratories (Major Instruments)/ Facilities** – B.Com with Computers Application (Well-equipped Computer Lab).

31. **Number of students receiving financial assistance from college, university, Government or other agencies –**

S.No.	Session	College Scholarship	Government	Other Agencies
1	2010-11	38 Students	30 Students	10 Students
2	2011-12	36 Students	49 Students	04 Students
3	2012-13	54 Students	52 Students	14 Students
4	2013-14	45 Students	95 Students	08 Students

32. **Details on student enrichment programmes(special lectures/workshops/ seminar) with external experts –**

S. No.	Class	Special Lectures on
1	M. Com. III Sem, B. Com V Sem	Portfolio Management
2	B. Com V Sem, B. Com. I Sem	Personality Development
3	B. Com V Sem, B. Com. I Sem	Cloud Computing, e-commerce, e-Banking
4	M. Com. III Sem, B. Com V Sem	Banking And Finance
5	M. Com. III Sem, B. Com V Sem	Information Technology
6	B. Com. I Sem, B. Com.III Sem	Latest Version of Tally

Above lectures were Delivered by:-

- CA, ICWA, CS Ritesh Sharma - Institute of Cost Accountant of India, New Delhi
- ICWA Mahendra Joshi - Institute of Cost Accountant of India, New Delhi
- CA Meenal Jain - Private Practice in Indore
- Ms. TarunaTaneja - Director NIIT, Bhopal
- Dr. KalyaniParamal - Faculty, Jaipuriya Institute of Management, Indore
- Dr. Puja Singh - Faculty, Jaipuriya Institute of Management, Indore
- Ms. PriyankaKushwaha - Faculty CRISP, Bhopal

33. **Teaching methods adopted to improve student learning –**

- Monthly allocation of syllabus by teachers.
- Blackboard teaching.
- Power point presentation.
- Topic given to students as assignment.
- Solving question papers of previous years.
- Computer aided teaching.
- Doubt solving classes for weak students.
- Extra classes for students preparing for Banking jobs.
- One to One Interaction with students.

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities –**

<b>YEAR</b>	<b>NSS</b>	<b>NCC</b>	<b>Total</b>
2010- 11	100	11	111
2011 -12	102	52	154
2012-13	105	49	154
2013-14	51	21	72

35. **SWOC analysis of the department and Future plans -**

**Strength:**

- Highly qualified, dedicated and passionate teachers with experience.
- Students secured university rank.
- popular subject among students hence high intake of students is maintained.
- Sincere efforts to provide necessary support, guidance and counseling to the students.

**Weakness:**

- Busy schedule is college hours as continuous classes for students and teachers.
- more washrooms needed
- Smart classes needed.

**Opportunities:**

- looking to the popularity of subject, department can plan diversification by starting new programmes and adding more sections for each class
- Students constantly encouraged.

**Challenges:**

- Same work – Same Salary.
- Students from weaker section require extra attention & financial aid.

**Future Plans:**

- National Seminar is to be organized in the coming session.
- Minor Research Projects will be taken by the faculty of commerce.
- Guest Lectures by Eminent Professionals.
- Students will be taken for the Educational Visits.

**Any Other**

Department publishes it Newsletter "My own Commerce".



***Department of Computer  
Science and Application***



# Department of Computer Science & Application

1. **Name of the department** : Computer Science & Application
2. **Year of Establishment** : 1991
3. Names of Programmes/Courses offered(UG,PG,M.Phil.,Ph.D.,Integrated Masters; Integrated Ph.D.,etc.) :  
UG: B.C.A., B.Sc. (Computer Science), B.Com. (Computer Application)  
PG: M.Sc. (Computer Science),  
Diploma Course: PGDCA
4. **Names of Interdisciplinary courses and the departments/units involved** :  
NA
5. Annual/semester/choice based credit system (Programme wise): Semester System
6. **Participation of the department in the courses offered by other departments:**

Sno.	Department	Course	Subject
1	Science	B.Sc.	Computer Science.
2	Commerce	B.Com.	Computer Application
3	Chemistry	M.Sc. (Chemistry)	Computer for Chemists
4	Home Science	B.Sc. (Home Sc.)	Fundamental of Computers
5	All Faculties	B.Com., B.Sc., B.A.	Foundation Course(Computer Awareness)
6	Education	B.Ed.	Fundamental of Computers

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA
8. Details of courses/programmes discontinued(if any) with reasons:  
Career oriented course in Animation & Graphic Design:  
Certificate Level/Diploma Level/ Advanced Diploma Level  
  
Reason for discontinuation: Absence of support from university in conducting exams for the course.

**9. Number of teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	10	7 permanent + 2Adhoc

**10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt. /Ph.D./ M.Phil.etc.)**

Name	Qualification	Designation	Specialization	Years of Experience
Mrs. Abhilasha Kumar	M.Tech (CSE), B.E. (Comp.Tech.)	Asst. Prof., HOD		23
Mrs. Vaishali Kadwey	M.Sc. (Computer Science)	Asst. Prof.		14
Mrs. Chhaya Makhijani	M.Sc. (Computer Science)	Asst. Prof.		8
Dr. Aarthi Mudaliar, (till Aug 2013)	Ph.D., MS in S/W Systems	Asst. Prof.	Recession in IT Sector	8
Mrs. Babita Sakalle	M.Sc.( Computer Science)	Asst. Prof.		7
Mrs. Arpana Sinhal	M.C.A., M.Sc. (Computer Science), B.Ed, registered for Ph.D	Asst. Prof.		5
Ms. Girjesh Chouhan	M.Sc. (Computer Science)	Asst. Prof.	Web Designing	4
Dr. Romsha Sharma	PhD., M Sc. (Computer Science)	Asst. Prof.	Data Mining	3
Smt. Aruna Sengar	M.Sc. (Computer Science)	Asst. Prof.		2
Ms. Mamta Sisodiya	M.C.A.	Asst. Prof.		04 months

**11. List of senior visiting faculty : Nil**

12. Percentage of lectures delivered and practical classes handled (Programme wise) : By temporary faculty

S.No	Programme	% of Lectures	% of Practicals handled
1.	UG	23.9%	18.18%
2.	PG	34.32%	25.53%

13. Student-Teacher Ratio (programmewise) : 2013-14

S. No.	UG/PG	Programme	Ratio	Student strength/Teacher
1.	UG	B.C.A.	19:1	93/5
2.		B.Sc. (Computer Science)	45:1	225/5
3.		B.Com.(Computer Application)	79:1	395/5
4.	PG	M.Sc. (Computer Science) & PGDCA	5:1	21/5

14. Number of academic support staff (technical)and administrative staff; sanctioned and filled :

Administrative: Nil

Technical : 02

15. **Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G.**

S. No.	Qualification	No. of Teaching Faculty
1	Ph.D	02
	Persuing Ph.D	01
	PG	08

16. **Number of faculty with ongoing projects from a)National b)International funding agencies and grants received :**Nil

17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received :** Nil

18. **Research Centre/facility recognized by the University :** Nil

19. **Publications:**

Publications	Mrs. Abhilasha Kumar	Mrs. Arpana Singhal	Mrs. Chhaya Makhijani	Ms. Girjesh Chouhan	Dr. Romsha Sharma
Publication per faculty	-	01	01	01	02
Number of papers published in peer reviewed journals (national/international) by faculty and students	-	01	01	01	-

Number of publications listed in International Database (For Eg: Web of Science, Scopus, etc.)	-	-	-	-	-
Monographs	-	-	-	-	-
Chapter in Books	-	-	-	-	-
Books Edited	(02) Self Learning Material of M.P. Bhoj University for M.Sc. on Operating System and Networking	-	-	-	-
Publication with ISBN/ISSN	-	-	-	-	-
Citation Index(h-index i10 value)	-	-	-	-	-
Publication with SNIP	-	-	-	-	-
Publication with SJR	-	-	-	-	-
Publication with Impact factor and range of Impact factor	-	-	-	-	-
Publication with H-index and range of H-index	-	-	-	-	-

## List of Publication-

Ms. Girjesh Chouhan

1. Artificial Fifth Sense (Artificial Eyesight), Highbrow, ISSN-2350-1154, Vol.1(1),85-90 (2014).

Dr. Romsha Sharma

1. "Strategy, Technology and Model of CRM", Journal of Computer and Information technology, vol 3 no.1, April (2012).
2. "Frame work and Road map of CRM", Research Hunt, vol 6 issue Jan-Feb (2012).

**20. Areas of consultancy and income generated:**

A facility center is run by the department that provides the internet facility, print out, DTP work, scanning, photocopy facility to the students at nominal charges. The department generates revenue from this center

Year	2013-14	2012-13	2011-12	2010-11
Revenue generated	Rs.1,137/-	Rs.1,785/-	Rs.3,235/-	Rs.4,335/-

**21. Faculty as members in**

- a) **National committees** - Nil
- b) **International Committees** - Nil
- c) **Editorial Boards** - Nil

**22. Student projects**

- a) **Percentage of students who have done in-house projects including inter departmental / programme :**

Year	Class	% of Students
2010-11	PGDCA	100%
2012-13	M.Sc.(Computer Science)	75%

- b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies**

Year	Class	% of Students
2013-14	B.C.A.	100%
	B.Sc.	100%
	B.Com.	100%
	PGDCA	100%
	M.Sc.(Computer Science)	100%
2012-13	BCA	100%
	B.Sc.	100%
	B.Com.	100%
	PGDCA	100%
	M.Sc.(Computer Science)	25%
2011-12	B.C.A.	100%
	B.Sc.	100%
	B.Com.	100%
	PGDCA	100%
	M.Sc.(Computer Science)	100%
2010-11	B.C.A.	100%
	B.Sc.	100%
	B.Com.	100%
	PGDCA	0%
	M.Sc.(Computer Science)	100%

**23. Awards/Recognitions received by faculty and students**

S.No.	Name Teacher	Awards/Recognition recived
1	Smt. Vaishali Kadwey	Appreciation awrad as workshop coordinator from IIT Bombay & NRI Inst. of Information Science & Technology Resource Centre under "Talk to teacher" programme of NMEICT, project of MHRD of India.
2	Smt. Babita Sakalle	
3	Smt. Arpana Sinhal	
4	Dr. Romasha Sharma	

S.No.	Name of the Student	Rank in Merit List of Barkatullah University / Award received
1	Apeksha Sahu, B.C.A.	8 <sup>th</sup> Position in Year(2004-05)
2	Divya, B.C.A.	2 <sup>nd</sup> Position in year(2005-06)
3	Neha Bhartiya, B.C.A.	3 <sup>rd</sup> Position in year(2005-06)
4	Rashmi Agrawal, B.C.A.	4 <sup>th</sup> Position in year(2005-06)
5	Neha Vyas, B.C.A.	8 <sup>th</sup> Position in year(2005-06)
6	Richa Jain, B.C.A.	9 <sup>th</sup> Position in year(2005-06)
7	Bhavna Udhani, B.C.A.	10 <sup>th</sup> Position in year(2005-06)
8	Priyanka Agrawal, B.C.A.	1 <sup>st</sup> Position in year(2006-07)
9	Iti Choudhary, B.C.A.	3 <sup>rd</sup> Position in year(2006-07)
10	Namita Bhatt, B.C.A.	10 <sup>th</sup> Position in year(2006-07)
11	Shalini Bhand, B.C.A.	1 <sup>st</sup> Position in year(2007-08)
12	Chandni Gupta, B.C.A.	1 <sup>st</sup> Position in year(2008-09)
13	Neelam Santani, B.C.A.	5 <sup>th</sup> Position in year(2008-09)
14	Anu Soni, B.C.A.	6 <sup>th</sup> Position in year(2008-09)
15	Ankita Rajput, B.C.A.	7 <sup>th</sup> Position in year(2009-10)
16	Tanvi Pagare, B.C.A.	10 <sup>th</sup> Position in year(2009-10)
17	Roshni Chouksey, B.C.A.Sem II	Inter Collegiate Debate Competition, held at Sarojini Naidu Govt. Girls College and won I prize.
18	Kajal Solanki, B.C.A. IV Sem	Won I prize in story writing competition organized by Atal Bihari Vajpayee Hindi Vishwavidyalaya.
19	Laxmi Singh B.C.A. IV Sem	Won II prize in story writing competition organized by Atal Bihari Vajpayee Hindi Vishwavidyalaya.
20	Roshni Chouksey, M.Sc.( Computer Sc.)	Won II prize in essay competition organized by PCRA( Petroleum Conservation & Research Association)

## 24. List of eminent academicians and scientists/visitors to the department

S.No	Name of the academicians/scientists/visitors	Designation & affiliation of the academicians/scientists/visitors
1.	Dr. Nandan Tripathi	Incharge, IT Cell, University Teaching Department, Barkatullah University, Bhopal
2.	Dr. Praveen Shrivastava	HOD, Computer Science Department Sadhu Vaswani College
3.	Dr. Meghna Dubey	Associate Prof., MCA Department Lakshmi Narain College Of Technology, Bhopal.
4.	Dr. Amit Sinhal	HOD, Computer Science Department Technocrat Institute Of Technology Bhopal.
5.	Dr. Deepak Tomar	Prof. Computer Enggnering, Maulana Azad National Institute of Technology, Bhopal.
6.	Dr. Anuj Hundait	IT cell, Directorate, Higher Education, Bhopal
7.	Dr. P. Sasikala	HOD, Computer Appl. Makhanlal Chaturvedi University of Journalism, Bhopal.
8.	Dr. R.S.Thakur	Prof, Computer Engg. Maulana Azad National Institute of Technology Bhopal.
9.	Dr. Ravi Kapoor	Prof. National Institute for Technical Teacher's Training & Research Bhopal.
10.	Dr. Archana Naik	HOD, Computer Application, Bhopal School of Social Sciences, Bhopal.

## 25. Seminars/Conferences/Workshops organized &amp; the source of funding

a) National : NA

b) International : NA

**26. Student profile programme /coursewise:**

B.C.A.

UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled in Exam	Pass percentage
2013-14	BCA I Sem	33	33	32	100%
	BCA II Sem	32	32	32	100%
	BCA III Sem	27	26	26	100%
	BCA IV Sem	26	26	26	100%
	BCA V Sem	39	39	39	94.8%
	BCA VI Sem	37	37	37	100%
2012-13	BCA I Sem	35	35	29	100%
	BCA II Sem	29	29	29	96.5%
	BCA III Sem	38	38	38	100%
	BCA IV Sem	37	37	37	100%
	BCA V Sem	39	39	39	100%
	BCA VI Sem	39	39	39	100%
2011-12	BCA I Sem	41	41	39	100%
	BCA II Sem	36	36	36	100%
	BCA III Sem	44	44	44	93%
	BCA IV Sem	41	41	41	100%
	BCA V Sem	53	53	52	100%
	BCA VI Sem	52	52	52	100%
2010-11	BCA I Sem	50	50	48	100%
	BCA II Sem	48	48	48	100%
	BCA III Sem	55	55	54	100%
	BCA IV Sem	54	54	54	98.1%
	BCA V Sem	55	55	55	100%
	BCA VI Sem	55	55	55	100%

B.Sc. (Computer Science)

UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled in Exam	Pass percentage
2013-14	B Sc. I Sem	59	59	59	98.3%
	B Sc. II Sem	59	59	59	98.3%
	B Sc. III Sem	64	64	64	100%
	B Sc. IV Sem	64	64	64	100%
	B Sc. V Sem	66	66	65	100%
	B Sc. VI Sem	65	65	64	100%
2012-13	B Sc. I Sem	66	66	66	100%
	B Sc. II Sem	66	66	66	100%
	B Sc. III Sem	66	66	66	100%
	B Sc. IV Sem	66	66	66	100%
	B Sc. V Sem	52	52	52	100%
	B Sc. VI Sem	52	52	52	100%



2011-12	B Sc. I Sem	69	69	68	100%
	B Sc. II Sem	68	68	66	100%
	B Sc. III Sem	57	57	57	100%
	B Sc. IV Sem	57	57	53	100%
	B Sc. V Sem	31	31	31	96.3%
	B Sc. VI Sem	30	30	30	100%
2010-11	B Sc. I Sem	63	63	60	100%
	B Sc. II Sem	60	60	60	100%
	B Sc. III Sem	34	34	34	100%
	B Sc. IV Sem	34	34	34	98.1%
	B Sc. V Sem	19	19	19	100%
	B Sc. VI Sem	19	19	19	100%

## B.Com. (Computer Application)

UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled in Exam	Pass percentage
2013-14	B. Com. I Sem	111	111	109	100%
	B. Com. II Sem	109	109	109	100%
	B. Com. III Sem	94	94	94	100%
	B. Com. IV Sem	94	94	94	100%
	B. Com. V Sem	83	83	83	100%
	B. Com. VI Sem	83	83	83	100%
2012-13	B. Com. I Sem	100	100	99	100%
	B. Com. II Sem	99	99	99	100%
	B. Com. III Sem	87	87	86	100%
	B. Com. IV Sem	86	86	86	100%
	B. Com. V Sem	104	104	104	100%
	B. Com. VI Sem	104	104	104	100%
2011-12	B. Com. I Sem	103	103	93	98.8%
	B. Com. II Sem	93	93	92	100%
	B. Com. III Sem	107	107	107	100%
	B. Com. IV Sem	107	107	106	100%
	B. Com. V Sem	88	88	87	100%
	B. Com. VI Sem	87	87	87	100%
2010-11	B. Com. I Sem	123	123	118	100%
	B. Com. II Sem	118	118	118	100%
	B. Com. III Sem	87	87	87	100%
	B. Com. IV Sem	87	87	87	100%
	B. Com. V Sem	114	114	113	100%
	B. Com. VI Sem	113	113	112	100%

## M.Sc. (Computer Science)

PG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled in Exam	Pass percentage
2013-14	M Sc.(CS) I Sem	9	9	9	100%
	M Sc.(CS) II Sem	9	9	9	100%
	M Sc.(CS) III Sem	10	10	10	100%
	M Sc.(CS) IV Sem	10	10	10	100%
2012-13	M Sc.(CS) I Sem	11	11	11	100%
	M Sc.(CS) II Sem	11	11	11	100%
	M Sc.(CS) III Sem	4	4	4	100%
	M Sc.(CS) IV Sem	4	4	4	100%
2011-12	M Sc.(CS) I Sem	5	5	4	100%
	M Sc.(CS) II Sem	4	4	4	100%
	M Sc.(CS) III Sem	5	5	5	100%
	M Sc.(CS) IV Sem	5	5	5	100%
2010-11	M Sc.(CS) I Sem	5	5	5	100%
	M Sc.(CS) II Sem	5	5	5	100%
	M Sc.(CS) III Sem	2	2	2	100%
	M Sc.(CS) IV Sem	2	2	2	100%

## PGDCA

PG Batch	Name of the Course/ programme (refer question no. 3)	Applications received	Selected	Enrolled in Exam	Pass percentage
2013-14	PGDCA I Sem	2	2	2	100%
	PGDCA II Sem	2	2	2	Result awaited
2012-13	PGDCA I Sem	-	-	-	-
	PGDCA II Sem	-	-	-	-
2011-12	PGDCA I Sem	2	2	2	100%
	PGDCA II Sem	2	2	2	100%
2010-11	PGDCA I Sem	3	3	3	100%
	PGDCA II Sem	3	3	3	100%

## 27. Diversity of Students:

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	96.87%	3.125%	Nil
	UG II Year	96.15%	3.84%	Nil
	UG III Year	100%	Nil	Nil
	PG I Year	100%	Nil	Nil
	PG II Year	100%	Nil	Nil

2012-13	UG I Year	96.55%	3.45%	Nil
	UG II Year	100%	Nil	Nil
	UG III Year	100%	Nil	Nil
	PG I Year	100%	Nil	Nil
	PG II Year	100%	Nil	Nil
2011-12	UG I Year	100%	Nil	Nil
	UG II Year	100%	Nil	Nil
	UG III Year	100%	Nil	Nil
	PG I Year	100%	Nil	Nil
	PG II Year	100%	Nil	Nil
2010-11	UG I Year	100%	Nil	Nil
	UG II Year	100%	Nil	Nil
	UG III Year	96.36%	3.64%	Nil
	PG I Year	100%	Nil	Nil
	PG II Year	100%	Nil	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**

S.No.	Year	Name of exam	No. of Student
1	2011-12	PGDM	01
		M.Sc.(Computer science)	08
		MS	05
		MCA	01
2	2012-13	MBA	06
		MCA	05
		MS	05
		M.Com.	02
		PGDM	01
3	2013-14	Interior Designing	01
		MCA	15

**29. Student progression**

Student progression	Against % enrolled 2010-11	Against% enrolled 2011-12	Against % enrolled 2012-13	Against % enrolled 2013-14
UG to PG	70.17	88.95	66%	100%
PG to M.Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-

Ph.D. to Post-Doctoral	-	-	-	-
Employed • Campus selection • Other than campus recruitment	15	14	6	8
Entrepreneurship/Self-employment	-	-	-	-

**Placement****Year 2010-11**

In the mega campus drive organized at NRI College of Engg., students of BCA final year participated and the following girls were selected for placement in two companies – Sitel & AllSec:

- Nikita Mansharmani
- Azna Naeem
- Ekta Khandelwal

Wipro organized a campus placement drive in our college and the following girls from BCA faculty were selected:

- Nikita Manasharmani
- Dolly Talreja
- Sweena Ratra
- Jyoti Mishra
- Prachi Karnawat

In the campus drive organized by IBM in our college the following girls were selected from the BCA faculty:

- Dolly Talreja
- Deepu Dey
- Sweena Ratra
- Shubhangi Chaturvedi
- Jayati Chavhan
- Deepmala Saxena
- Reeti Rai

**Year 2011-12**

Following students were selected by WIPRO from the BCA faculty in the campus drive organized in the college :

- Swati Thomas

Following students were selected by IBM from the BCA faculty in the campus drive organized in the college :

- Richa Rajput
- Rinki Pathak
- Rashi Gaur
- Ruchi Soni

- Priyanka Chouhan
- Mehraz Bano
- Swati Thomas
- Apoorva Jain
- Roshni Chouksey

Following students were selected by IFBI from the BCA faculty in the campus drive organized in the college :

- Poonam Khasdeo
- Mehraj Bano
- Putli Rawat
- Preeti Goyal

#### Year 2012-13

Following students were selected as Programmer Trainee by Mahindra Satyam , in the open campus drive held at NRI Institute, Bhopal :

- Pratima Sharma, BCA V Sem

Students of BCA V Sem & B Sc. (Comp. Sc.) V Sem appeared in the open campus placement at Lakshmi Narain College Of Technology, Bhopal.

Company : Cognizant Technology Solutions.

Job Location : Mumbai/ Pune

Profile : Programmer Trainee

Selected Students : 05

- Amrita Raghuvanshi - BCA
- Injla Syed - BCA
- AnshulShukla - BCA
- Priyanka – B Sc.(Comp. Sc.)
- Rajkumari - B Sc.(Comp. Sc.)

#### Year 2013-14

Following students were selected by I SERVE BPO, Bhopal, in the campus drive organized in the college :

- Priya Singh Parmar: BCA- Domestic Processing Executive
- Kajal Solanki: BCA- Voice solution Executive
- Deepika Dadore: BCA - Voice solution Executive
- Paridhi Pandey : B .Com – Marketing Executive
- Pooja Kanojia: B. Com – Business Development Executive(international)
- Krutika Rajwade: B. Com- Business Development Executive(domestic)
- Pooja Mahto: B .Com – Marketing Executive
- Aakriti Patel : B .Com – Marketing Executive

**30. Details of Infrastructural facilities****a) Library**

College Library: 2107

Departmental Library: 176

Book Bank : 249

**b) Internet facilities for Staff & Students : available**

Internet Leased Line : 2 Mbps

**c) Class rooms with ICT facility : 02****d) Laboratories :**

- Computer Lab for UG Students : 58 desktops, 1 laptop, Internet facility.
- Computer Lab for PG Students : 10 desktops, 1 laptop, Internet facility

**31. Number of students receiving financial assistance from college, university, Government or other agencies :**

BCA &amp; M Sc. (Computer Sc.)

Year	Type of the Scholarship	No. of Beneficiaries
2013-14	Government	8
	Private	Nil
	College	7
2012-13	Government	12
	Private	1
	College	9
2011-12	Government	12
	Private	4
	College	7
2010-11	Government	12
	Private	4
	College	10

**32. Details on student enrichment programmes (special lectures/workshops/ seminar)with external experts :**

- Internship (on-job training).
- Personality Development Training.
- Workshop on Android Application development.
- Workshop on .Net Technology.
- Workshop on Tally.
- Seminar on “ Interview and Recruitment Skills” .
- Seminar on “ Resume Writing”.

- 1 month skill development programme on Information Technology held in coordination with National Skill Development Corporation, AISECT Institute of Science and Technology, Bhopal & NetLink in 2013-14.
- A lecture on 'Ethical Hacking & Cyber Security' was organized for the students of BCA & M Sc. (CS) in 2012-13
- The Department of Computer Science & Application organized a week long spoken tutorial workshop under the National Mission of Education through ICT in collaboration with NRI Institute of Sc. & Tech. and IIT, Bombay, funded by the Govt. of India in 2013-14, for BCA, BSc.(CS), B Com(CA), V Sem, M Sc(CS) I & III Sem students. After the training the students appeared for an on-line test and were awarded certificates for the courses attended by them from IIT, Bombay.

**33. Teaching methods adopted to improve student learning:**

- Use of Smart Class as a teaching method with subject inputs from the Internet.
- Providing teaching material to the students (online & offline).
- Lectures prepared through presentations.
- Student interaction in the form of classroom teaching by students.
- Use of various evaluation methods (class quiz, objective questions, mock viva, presentation, classroom teaching, chart making, class test) for continuous comprehensive evaluation.
- Making Book & Chart reading simpler & interactive using Visualizer techniques.
- Providing apt solutions to students through polling on different issues during smart classes.
- Emphasis on practical implementation in programming courses.
- Imparting program & applications practically using dummy & live data.
- Emphasizing on practical knowledge rather than bookish knowledge only.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

The students participate in institutional social responsibility and extension activities through NCC and NSS. The details of which are as follows:

Session	NSS	NCC
2010-2011	37	13
2011-2012	33	19
2012-2013	30	15
2013-2014	14	6

**35. SWOC analysis of the department and Future plans :**

**Strength:**

- Computer Proficiency of whole staff in the Department.
- Specialization of teaching staff in diverse fields like Linux, Internet

Security, Cryptography, Compiler Designing, Advanced MS-Office helps in providing the best solution to students for different problems.

- Teamwork & inter-departmental communication through smart software's like Teamviewer, googledocs.
- Message communication for important messages using social networking site & applications.
- Manage the complete IT infrastructural maintenance of the institution.
- Inhouse development & management of college website.
- Manage the complete on-line work of the college related to the counseling, registration, admission and other academic activities as per instructions from the university and higher education department.
- Facility Center for students and staff of the college.

**Weakness:**

- Understaffed.
- Lack of Research Activity.
- Overloaded due to on-line work and IT infrastructure management.

**Opportunities:**

- Very Popular subject.
- Job guarantee.
- Student can pursue P.G. in same campus.
- Research opportunities are many.
- Candidate can do work from home also.

**Challenges:**

- To establish the department as a recognized research center.
- Sanctioning of more permanent posts of faculty and staff members.
- Power-saving while increasing the e-resources.
- Protection from software threats and wear & tear of hardware across office and whole departments of the college.
- Making all faculties and office staff and students techno-savvy.
- Maintaining the hardware infrastructure available in the college by the department is a continuous exercise to be managed along with the academic and co-curricular activities.
- To educate and make the students aware of the sanctity of the institution so that they may not get involved in any nuisance and anti-social activities as a part of Social Responsibility.

**Future Plans:**

- Apply for UGC – MRP, DST-FIST, DBT, ICSSR, etc.
- Staff will pursue higher degree.
- Organize National Conference, Seminar, workshops.
- Apply for New courses related to computer Science & Application.

**Any Other –**

Department publishes its newsletter “Compu Talk”.





## *Department of Economics*

# Department of Economics

1. **Name of the department** - Economics
2. **Year of Establishment** - 1975
3. **Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)** - UG (B.A.)
4. **Names of Interdisciplinary courses and the departments/units involved** – Nil
5. **Annual/semester/choice based credit system (programme wise)** - Semester system
6. **Participation of the department in the courses offered by other departments** - In Commerce Department.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** - Nil
8. **Details of courses/programmes discontinued (if any) with reasons** - Nil
9. **Number of teaching posts:** 01

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	01	01

10. **Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr. Neena Chatterjee	Ph.D. M.A(Economics),	Assistant Professor	Micro-Economics	16 Years	-

11. **List of senior visiting faculty** –
  - Dr. Anjali Jain
  - Dr. Reeta Jaiswal
  - Mrs. Manjari Awasthi

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty –Nil**

13. **Student-Teacher Ratio (programme wise) –**

U.G.2010-11	32:01
2011-12	35:01
2012-13	28:01
2013-14	21:01

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled –Nil**

15. **Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

Qualification	No. of Faculty
DSc	-
D.Litt	-
Ph.D	01
M.Phil	-
PG	-

16. **Number of faculty with ongoing projects from**

a) **National – Nil**

b) **International – Nil**

**Funding agencies and grants received - Nil**

17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received –Nil**

18. **Research Centre/facility recognized by the University –Nil**

19. **Publications:Dr. Neena Chatterjee**

- Publication per faculty –01
- Number of papers published in peer reviewed journals (national/international) by faculty and students -01  
“Dr. NeenaCatterjee, Role of public private partnership in Infra structural development- with references to M.P, HIGHBROW Page No. 137-146 (2014)- ISSN:2350-1154
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.) - Nil
- Monographs -Nil
- Chapter in Books -Nil
- Books Edited -Nil

- Books with ISBN/ISS Numbers with details of publishers – Nil
- Citation Index - Nil
- SNIP -Nil
- SJR -Nil
- Impact factor – Nil
- H-index -Nil

20. **Areas of consultancy and income generated -Nil**

21. **Faculty as members in**

- a) **National committees:** Nil
- b) **International Committees:** Nil
- c) **Editorial Boards** Nil

22. **Student projects**

- a) **Percentage of students who have done in-house projects including inter departmental/programme–Nil**
- b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –**

Year	Class	Percentage
2013-14	Final Year – UG	42.8%
2012-13	Final Year – UG	36.3%
2011-12	Final Year – UG	33.33%
2010-11	Final Year – UG	57.14%

23. **Awards/Recognitions received by faculty and students –**

S.No	Name of the Student	Award/Recognition received
1.	Ku. Mamta Paswan	Best Student Award(2010-2011)
2.	Ku. Twinkle Gohe	Best Student award-2013

24. **List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1	Dr. Gyanendra Gautam	Professor in Sociology Department in BU
2.	Dr. Udai Jain	Retd. Prof. in Psychology Department in BU
3.	Dr. Anjali Jain	Prof. Economics, Institute of Excellence in Higher Education, Bhopal
4.	Dr. Reeta Jaiswal	Prof. Economics, Sarojini Naidu Govt. Girls College, Bhopal
5.	Mrs. Manjari Awasthi	Asst. Prof. Economics in Govt. College Itarsi

## 25. Seminars/Conferences/Workshops organized &amp; the source of funding

- a) National –Nil  
b) International - Nil

## 26. Student profile programme/course wise:

UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	B.A I	08	08	07	100%
	B.A II	07	07	07	100%
	B.A III	06	06	06	100%
	B.A IV	06	06	06	100%
	B.A V	07	07	07	100%
	B.A VI	07	07	07	100%
2012-13	B.A I	08	08	08	100%
	B.A II	08	08	08	100%
	B.A III	09	09	09	100%
	B.A IV	09	09	09	100%
	B.A V	11	11	11	100%
	B.A VI	11	11	11	100%
2011-12	B.A I	14	14	12	100%
	B.A II	12	12	12	100%
	B.A III	11	11	11	100%
	B.A IV	11	11	11	100%
	B.A V	12	12	12	100%
	B.A VI	12	12	12	100%
2010-11	B.A I	12	12	12	100%
	B.A II	12	12	12	100%
	B.A III	12	12	12	100%
	B.A IV	12	12	12	100%
	B.A V	08	08	07	100%
	B.A VI	07	07	07	100%

## 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	80%	20%	-
	UG II Year	100%	-	-
	UG III Year	93%	7%	-
2012-13	UG I Year	100%	-	-
	UG II Year	93%	7%	-
	UG III Year	91%	9%-	-
2011-12	UG I Year	93%	7%	-
	UG II Year	91%	9%-	-

	UG III Year	84%	16%	-
2010-11	UG I Year	84%	16%	-
	UG II Year	84%	16%	-
	UG III Year	86%	14%	

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?** –Nil

29. **Student progression**

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	20%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D.to Post-Doctoral	-
Employed •Campus selection •Other than campus recruitment	20-25% 20-25%
Entrepreneurship/Self-employment	10-20%

30. **Details of Infrastructural facilities**

- Library** - Books having Library No.-1047  
Departmental Library –62+20(Book bank)
- Internet facilities for Staff & Students** -Nil
- Class rooms with ICT facility** - Nil
- Laboratories(Major Instruments)/ Facilities**–Nil

31. **Number of students receiving financial assistance from college, university, Government or other agencies –**

<b>S.No</b>	<b>Year</b>	<b>Type of the Scholarship</b>	<b>No. of Beneficiaries</b>
1.	2010-11	SC/ST/OBC	01
		Sister Concession/ Freeship	03
2.	2011-12	SC/ST/OBC	05
		Sister Concession/ Freeship	03
3.	2012-13	SC/ST/OBC	04
		Sister Concession/ Freeship	03
4.	2013-14	SC/ST/OBC	02
		Sister Concession/ Freeship	04

32. **Details on student enrichment programmes(special lectures/workshops/ seminar) with external experts** -Special Lecture, Workshop

33. **Teaching methods adopted to improve student learning –**

- Lecture
- Group Discussion
- Class test, CCE & Assignment
- GK Test
- Chart Making

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities –**

Session	No. of participants in NSS	No. of participants in NCC
2010-11	15	02
2011-12	07	03
2012-13	06	03
2013-14	07	00

35. **SWOC analysis of the department and Future plans -**

**Strength:**

- Experienced & Qualified Faculty.
- Good collection of the subject book in main library and Departmental Library.

**Weakness:**

- Less no. of student.

**Opportunities:**

- To motivate students to take-up jobs in the fields of Rural Sector & societies, Banking & Insurances, Teaching, MNCs etc., and to prepare them for Civil Services & other Competitive exams.

**Challenges:**

- To create interest in the subject among students, so that no. of students in the subject can be increased.
- To hold regular classes to coach students for competitive exams like NET, SLET, PSC, UPSC and bank examination.

**Future Plans:**

- To organize seminars and workshops for the students.
- To start PG classes in Economics.





# Department of Education

1. **Name of the department** - Education
2. **Year of Establishment** - 1984
3. **Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)** - U.G. (B.Ed)
4. **Names of Interdisciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system (programme wise)** - Annual
6. **Participation of the department in the courses offered by other departments** - Maths, Hindi, Computers.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** - College is the Study Center of M.P. Bhoj Open University, Bhopal for B.Ed programme.
8. **Details of courses/programmes discontinued (if any) with reasons** - Nil
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	09	08+01 (Adhoc)

10. **Faculty profile with name, qualification, designation, specialization D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

Name	Qualification	Designation	Specialization	Years of Experience	Ph.D. Students Guided for the Last 4 years
Dr. Saroj Gupta	Ph.D.in Education, M.Ed., M.A. Sociology	Asstt. Prof., HOD	Human Rights Education	28 Years	06
Dr. Sadhana Ananth	Ph.D in Education, M.Ed., M.Sc. Zoology	Asst. Prof.	Teaching Effectiveness	23 Years	-

Dr.Shobhna Shrivastav	Ph.D in Education, M.Ed., M.A. Psychology	Asst.Prof.	Mentally Retarded Children	17 Year	-
Dr.Rekha Bhatt	Ph.D in Education, M.Ed., M.A. Psychology	Asst.Prof.	Women's Empowerment	17 Years	-
Dr.C.Shobha Rao	Ph.D in Education, M.Ed., M.A. Sociology	Asst.Prof.	Value Education	17 Years	-
Dr. Geeta Gupta	Ph.D., M.Ed., M.Sc. BioSciences	Asst. Prof.	Environmental Study Curriculum	15 Years	-
Mrs. Rajmani Badnerkar	M. Ed., M.A. Hindi and Sociology	Asst. Prof.	-	15yrs	-
Mrs. Preeti Srivastava	M. Ed., M.Sc. Physics & Maths	Asst. Prof.	-	16yrs	-
Mrs. Anita Awasthy	Pursuing Ph.D., M.A.in Education, B.Ed.	Asst. Prof.	Value based Environmental Education	4 Years	-

11. List of senior visiting faculty –

S.No.	Name of the academicians/ scientists/ visitors	Designation & affiliation of the academicians/ scientists/visitors
1.	Dr. Neerja Chaturvedi	Director, Department of Multimedia Education(DME), Bhoj Open University, Bhopal
2.	Dr. R.S. Panday	Ex-Director, Department of Multimedia Education(DME), Bhoj Open University, Bhopal
3.	Dr. Rashmi Jain	Assistant Professor Bhoj Open University, Bhopal .
4.	Dr. R. K. Raizada	Reader, Regional Institute of Education, Bhopal .
5.	Dr. S. P. Kulshreshtha	Reader, Regional Institute of Education, Bhopal
6.	Dr. S.K. Gupta	Retd. Professor, Regional Institute of Education, Bhopal

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty – Nil**

13. **Student-Teacher Ratio (programme wise) –**

U.G.	11:1
P.G.	-
F.C.	-

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled –**

	Sanctioned	Filled
Technical Staff	Technical Staff	02
Administrative Staff	Administrative Staff	03

15. **Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

Qualification	No. of Faculty
DSc	-
D.Litt	-
Ph.D.	06+01 pursuing Ph.D.
M.Phil	-
PG	02

16. **Number of faculty with ongoing projects from**

a) **National – Nil**

b) **International – Nil**

**Funding agencies and grants received - Nil**

17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received – Nil**

18. **Research Centre/facility recognized by the University - Nil**

19. **Publications:**

- Publication per faculty -
  - Dr. Saroj Gupta – 10
  - Dr. SadhanaAnanth – 01
  - Dr. ShobhnaShrivastav – 04
  - Dr. Rekha Bhatt – 08
  - Dr. C. ShobhaRao – 09
  - Mrs. Preeti Shrivastav – 01
  - Mrs. Rajmani Badnerkar – 00
  - Dr. Geeta Gupta – 04
  - Smt. Anita Awasthy- 01

- Number of papers published in peer reviewed journals (national/international) by faculty and students –Nil
  - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.) -Nil
  - Monographs –Nil
  - Chapter in Books -Nil
  - Books Edited -Nil
  - Books with ISBN/ISS Numbers with details of publishers -Nil
  - Citation Index -Nil
  - SNIP -Nil
  - SJR -Nil
  - Impact factor –Nil
  - H-index -Nil
20. **Areas of consultancy and income generated** -Nil.
21. **Faculty as members in**
- a) **National Committees:**Nil
  - b) **International Committees:** Nil
  - c) **Editorial Boards:** Nil
  - d) **Any Other** -  
All are life members of All India Association For Educational Research, Indian Science Congress and All India Council For Eradication of Illiteracy Among Women .  
Board of Studies –Dr. Saroj Gupta, Member of board of studies (education faculty) Barkatullah University, Bhopal from 2001 to 2013.  
Dr. Saroj Gupta, Member of Examination Committee, Barkatullah University, Bhopal up to 2013
22. **Student projects**

- a) **Percentage of students who have done in-house projects including inter departmental/programme–**

Year	Class	Percentage
2013-14	Final Year – UG	Zero Year
	Final Year –PG	-
2012-13	Final Year – UG	100%
	Final Year –PG	-
2011-12	Final Year – UG	100%
	Final Year –PG	-
2010-11	Final Year – UG	100%
	Final Year –PG	-

**b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies – Nil**

**23. Awards/Recognitions received by faculty and students –**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Award/Recognition received</b>
1.	Dr. Saroj Gupta	Appreciation Award given to Dr. Saroj Gupta by B. k. Passi, Vice –Chairman NCTE, Delhi in National Conference – 2009.
2.	Dr. Saroj Gupta	Maa Sharda National Award for Women Empowerment Given to Dr. Saroj Gupta On the Occasion of National Education & Extension Congress 2014.
<b>S.No</b>	<b>Name of the Student</b>	<b>Award/Recognition received</b>
1.	Smt. Jyoti Kartha, B.Ed. (2004-05)	Secured Ist in Merit (Barkatullah University)
2.	Smt. Meenal Raghuvanshi, B.Ed. (2004-05)	Secured IInd in Merit (Barkatullah University)
3.	Smt. Deepti Sebastian, B.Ed. (2004-05)	Secured IInd in Merit (Barkatullah University)
4.	Smt. Reeta Meghani B.Ed. (2004-05)	Secured IVth in Merit (Barkatullah University)
5.	Smt. Reena Pillai B.Ed. (2004-05)	Secured Vth in Merit (Barkatullah University)
6.	Smt. Zini Shah B.Ed. (2004-05)	Secured VIth in Merit (Barkatullah University)
7.	Smt. Blossom Methew B.Ed. (2004-05)	Secured VIIth in Merit (Barkatullah University)
8.	Smt. Megha Dhade B.Ed. (2004-05)	Secured IXth in Merit (Barkatullah University)
9.	Smt. Jolly Uppal B.Ed. (2004-05)	Secured IXth in Merit (Barkatullah University)
10.	Smt. Vimal Sonwane B.Ed. (2004-05)	Secured Xth in Merit (Barkatullah University)
11.	Ku. Anuja Mohan B.Ed. (2005-2006)	Secured Ist in Merit (Barkatullah University)
12.	Smt. Tomosha Shrivastava B.Ed. (2005-2006)	Secured IInd in Merit (Barkatullah University)
13.	Ku. Neelima Jaiswal B.Ed. (2005-2006)	Secured IVth in Merit (Barkatullah University)
14.	Smt. Preeti Jain B.Ed. (2005-2006)	Secured VIIth in Merit (Barkatullah University)

24. **List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1.	Dr. Neerja Chaturvedi	Director, Department of Multimedia Education (DME), Bhoj Open University, Bhopal
2.	Dr. R.S. Panday	Ex-Director, Department of Multimedia Education (DME), Bhoj Open University, Bhopal
3.	Dr. Rashmi Jain	Assistant Professor, Bhoj Open University, Bhopal
4.	Dr. R. K. Raizada	Reader, Regional Institute of Education, Bhopal
5.	Dr. S. P. Kulshreshtha	Reader, Regional Institute of Education, Bhopal
6.	Smt. Shivali Goel	Asst. Professor, Digdarshika Teachers Training Institution, Bhopal.

25. **Seminars/Conferences/Workshops organized & the source of funding**

- a) **National** - A National Seminar was organized on 24<sup>th</sup> and 25<sup>th</sup> Oct. 2013  
Funded by UGC on Value-Oriented Education: Status and Direction.
- b) **International**- Nil

26. **Student profile programme/course wise:**

UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	B.Ed.	Zero Year	-	-	-
2012-13	B.Ed.	100	97	94	98%
2011-12	B.Ed.	100	96	86	100%
2010-11	B.Ed.	100	99	99	97.9%

27. **Diversity of Students**

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	Zero Year	-	-
2012-13	UG I Year	80%	20%	Nil
2011-12	UG I Year	82%	18%	Nil
2010-11	UG I Year	83%	17%	Nil

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? –**

S.No	Year	Name of Exam	No. of Students
1	2013-14	Others	10
2	2012-13		12
3	2011-12		08
4	2010-11		17

29. **Student progression**

Student progression	Against % enrolled
UG to PG	10
PG to M.Phil.	02
PG to Ph.D.	05
Ph.D.to Post-Doctoral	Nil
Employed •Campus selection •Other than campus recruitment	More than 75 %
Entrepreneurship/Self-employment	25

30. **Details of Infrastructural facilities**

- Library** - 5360 Books & 12 Journals  
Departmental Library -377 Books
- Internet facilities for Staff & Students** -2computer with Internet Facility for staff
- Class rooms with ICT facility** - Yes
- Laboratories(Major Instruments)/ Facilities**–4 Laboratories (Educational Technology, Psychology, Work-Experience and Methodology Lab)

31. **Number of students receiving financial assistance from college, university, Government or other agencies –**

S.No.	Year	Type of the Scholarship	No. of Beneficiaries
1	2013-14	Zero Year	-
2	2012-13	Post- Metric Scholarship for SC. ST. OBC.	SC-09, ST-02, OBC-16 Applied
3	2011-12	Post- Metric Scholarship for SC. ST. OBC.	SC-06, ST-Nil, OBC-13 OBC Applied
4	2010-11	Post- Metric Scholarship for SC. ST. OBC.	SC-12, ST-01, OBC-07 Sanctioned

**32. Details on student enrichment programmes(special lectures/ workshops/ seminar) with external experts – Nil**

**33. Teaching methods adopted to improve student learning –**

- Individual guidance
- Use of Audio Visual teaching Aid
- Project Method
- Discussion Method
- Activity method
- Power point presentation
- Remedial teaching
- Paper presentation by students and according to the needs of students.
- Special methods for differently abled students for example lectures are recorded in CDs and cassettes for visually challenged students.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities –**

Each students teach three poor and weak children/adults of slum area of Bhopal. Students visit Shubham School for disabled, National Association for blind, NGO Parvarish, Old age homes, Orphanage, Matrachhaya, SOS village of Bhopal city. The Students distribute stationery, food and cloth etc. They also train the inmates of these social organisation in various activities like drawing, painting, stitching. They also solve their academic difficulties & spend time with them by playing various games.

**35. SWOC analysis of the department and Future plans -**

**Strength:**

- Well qualified staff .
- The result is almost 100% every year.
- Students learn skill work along with their teaching like toy making, paper – mashe work, gardening, chalk making etc.
- Some students get job offer during internship programme in schools.
- B. Ed. course is recognized in foreign countries also and many of our students have got reputed jobs abroad.
- Well equipped & Well Furnished Labs.
- A healthy Teacher-Student ratio of 1:11
- Our students are our strength. They are well mannered, well behaved and disciplined.
- The students are mature, they help the teachers in organising extra-curricular activities.

**Weakness:**

- As the students are from different states, colleges, streams and marital status. It is very difficult to keep record/track of students who get selected in various jobs, courses and competitive exams after leaving the institution.



**Opportunities:**

- Passout B.Ed. students of our college get priority in getting jobs in various private, government, central and international level.

**Challenges:**

- As the students are from different streams, states and different economic background many of our students are weak in basic knowledge of languages and teaching subjects hence our teachers face difficulty in training the trainee teachers.

**Future Plans:**

- To encourage the staff and students to participate in research activities
- To start distance education for B. Ed. from IGNOU.
- To publish educational journal every year.
- To start masters degree in education.
- To encourage the staff to participate and publish research paper in National and International level.
- To introduce smart classes in classroom and labs also.

**Any Other:**

- Department publishes its newsletter “Vividha”



# Department of English

1. **Name of the department** - English
2. **Year of Establishment** – UG- 1975  
PG 1996
3. **Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)** –  
UG
  - B.A. English Literature
  - Compulsory Foundation Course-English in B.A., B.Com., B.Sc., B.C.A
 PG
  - M.A. English Literature
4. **Names of Inter disciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system(programme wise)** – Semester System
6. **Participation of the department in the courses offered by other departments** – Teaching “Communicative Skills” to students of all other departments
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** -Nil
8. **Details of courses/programmes discontinued (if any)with reasons** -Nil
9. **Number of teaching posts**

	<b>Sanctioned</b>	<b>Filled</b>
Professors	-	-
AssociateProfessors	-	-
Asst.Professors	4	3+1(Adhoc)

10. Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil.etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D.Students Guided for the Last 4 years
Dr.Shampa Malhotra	Ph.D., M.A.	Asst. Prof. and HOD	Indian Writings in English/ Women's Studies	30years	Nil
Dr. Megha Singh	Ph.D., M.A.	Asst. Prof.	Indian Writings in English/English Language	15 years	Nil
Ms. Amandeep	M.A.	Asst. Prof.	American literature	4 years	Nil
Ms. Hina Ghafoor Khan	M.A., Pursuing Ph.D.	Asst. Prof	-	Adhoc	Nil

11. **List of senior visiting faculty –**

Dr. Rajni Pandey, Ex-Vice Principal, Sri Sathya Sai College for Women, Bhopal

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty- 22%**

13. **Student-Teacher Ratio(programme wise)–**

U.G.	B.A. 16:3 B.Sc. 109:3 B.Com. 166:3 B.C.A. 26:3
P.G.	1:3

14. **Number of academic support staff(technical)and administrative staff; sanctioned and filled–Nil**

15. **Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G.–**

Qualification	No. of Faculty
DSc	-
D.Litt	-
Ph.D	02
M.Phil	-
PG	02

16. **Number of faculty with ongoing projects from**

- a) **National**– 01  
 b) **International**– N.A.

**Funding agencies and grants received-**

Dr. Shampa Malhotra is the Principal Investigator for a UGC approved Minor Research Project on ‘Changing Faces of Women in Popular Indian Cinema: Transformation or Deformation’ with Asstt. Prof. Dr. Megha Singh as Co-Investigator.

Grants Sanctioned by UGC 1,50,000/-

Grant Received -1,25,000/-

Duration -18 months +3 months extension

Date of Implementation of the Project-15May 2013

17. **Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received - Nil**18. **Research Centre/facility recognized by the University –Nil**19. **Publications:**

	Dr. Shampa Malhotra	Dr. Megha Singh	Ms Amandeep Sandhu	Ms Hina Ghafoor Khan
No. of publications	02	03	01	02
No. of papers published in peer reviewed journals	02	03	01	-
No. of publications listed in International Database	-	-	-	-
Monographs	-	-	-	-
Chapter in Books	-	01 (ISBN-978-93-83809-79-0)	-	-
Books Edited	-	-	-	-
Books with ISBN/ISSN Numbers with details of publishers	-	-	-	-
Citation Index	-	-	-	-
SNIP	-	-	-	-
SJR	-	-	-	-
Impact factor	-	-	-	-
H-index	-	-	-	-

## List of Publication

Dr. Shampa Malhotra

- Women, Nature and Development: An Ecofeminist Perspective, Highbrow, ISSN-2350-1154, Vol.1(1), 214-218(2014)
- Women's Writings and Woman's Space, Journal of Research ISSN-2321-8487, AIMS, Bangalore, Vol.8(2), 16-19(2013)

Dr. Megha Singh

- Gender in Relation to Race and class in Toni Morrison's Sula in Journal of Research ISSN-2321-8487, AIMS, Bangalore, Vol.8(2), 4-6, (2013)
- Translation: Establishing Indian Literature in the Global Market, Highbrow, ISSN-2350-1154, Vol.1(1), 106-110(2014).
- Contemporary Indian Theatre at a Glance, Recent Trends in Indian English Literature, ISBN-978-93-83809-79-0, Ed.1, 22-27(2014)

Ms. Amadeep Sandhu

- Teaching of English- A perspective, Highbrow, ISSN-2350-1154, Vol.1(1), 43-47(2014).

## 20. Areas of consultancy and income generated -Nil

## 21. Faculty as members in

a) National committees -Nil

b) International Committees -Nil

c) Editorial Boards-

Dr. Shampa Malhotra- Editor, Bi-annual Inter-Disciplinary Journal, Highbrow, SSSCW, Bhopal

Dr. Megha Singh- Associate Editor, Bi-annual Inter-Disciplinary Journal, Highbrow, SSSCW, Bhopal

Dr. Megha Singh - Co-Editor, Annual Magazine 'Divya', SSSCW, Bhopal.

## 22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental/programme -Nil

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies-

Year	Class	Percentage
2013-14	Final Year – UG	33%
	Final Year –PG	100%
2012-13	Final Year – UG	50%
	Final Year –PG	100%
2011-12	Final Year – UG	50%
	Final Year –PG	100%
2010-11	Final Year – UG	40%
	Final Year –PG	100%

## 23. Awards/Recognitions received by faculty and students –

S.No.	Class	Name of the student	Award/Recognition received	Position	Year
1.	M.A English	Smt. Shweta Sharma	Merit list of Barkatullah University, Bhopal	III	2009-10
2.	B.A.	Ku. Disha Narula	Merit list of Barkatullah University, Bhopal	I	2007-08
3.	B.A.	Ku. Simar Madan	Merit list of Barkatullah University, Bhopal	V	2007-08
4.	B.A.	Ku. Poonam D. Rao	Merit list of Barkatullah University, Bhopal	V	2006-07
5.	B.A.	Ku. Prerna Mehta	Merit list of Barkatullah University, Bhopal	I	2004-05

## 24. List of eminent academicians and scientists/visitors to the department –

S.No	Name of the academicians/scientists/visitors	Designation & affiliation of the academicians/scientists/visitors
1.	Dr. Rajni Pandey	Ex-Vice Principal and Head, Department of English, SSSCW, Bhopal
2.	Dr. Mamta Mahanty Yerra	Programme Director, Department of Languages, Acharya Institute of Management Studies, Peenya, Bangalore
3.	Mr. Aniruddha Ghosh	Retd. Bank Officer, Bank of India

## 25. Seminars/Conferences/Workshops organized &amp; the source of funding

- a) National- Nil
- b) International - Nil

## 26. Student profile programme/course wise:

UG Batch	Name of the Course/programme (refer question no. 3)	Applications received	Selected	Enrolled in Exam	Pass percentage
2013-14	B.A I Sem.	03	03	03	100%
	B.A II Sem.	03	03	03	100%
	B.A III Sem.	02	02	02	100%
	B.A IV Sem.	02	02	02	100%
	B.A V Sem.	05	05	05	100%
	B.A VI Sem.	05	05	05	100%
2012-13	B.A I Sem.	02	02	02	100%
	B.A II Sem.	02	02	02	100%
	B.A III Sem.	05	05	05	100%

	B.A IV Sem.	05	05	05	100%
	B.A V Sem.	04	04	04	100%
	B.A VI Sem.	04	04	04	100%
2011-12	B.A I Sem.	07	07	07	100%
	B.A II Sem.	05	05	05	100%
	B.A III Sem.	04	04	04	100%
	B.A IV Sem.	04	04	04	100%
	B.A V Sem.	04	04	04	100%
	B.A VI Sem.	04	04	04	100%
2010-11	B.A I Sem.	04	04	04	100%
	B.A II Sem.	04	04	04	100%
	B.A III Sem.	04	04	04	100%
	B.A IV Sem.	04	04	04	100%
	B.A V Sem.	03	03	03	100%
	B.A VI Sem.	03	03	03	100%

PG Batch	Name of the Course/ programme (refer question no. 3)	Applications received	Selected	Enrolled in Exam	Pass percentage
2013-14	M.A I Sem.	01	01	Nil	N.A.
	M.A II Sem.	Nil	Nil	Nil	N.A.
	M.A III Sem.	03	03	03	100%
	M.A IV Sem.	03	03	03	100%
2012-13	M.A I Sem.	04	04	04	100%
	M.A II Sem.	04	04	04	100%
	M.A III Sem.	02	02	02	100%
	M.A IV Sem.	02	02	02	100%
2011-12	M.A I Sem.	05	05	05	100%
	M.A II Sem.	05	05	05	100%
	M.A III Sem.	03	03	03	100%
	M.A IV Sem.	03	03	03	100%
2010-11	M.A I Sem.	02	02	02	100%
	M.A II Sem.	02	02	02	100%
	M.A III Sem.	05	05	05	100%
	M.A IV Sem.	05	05	05	100%

### 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	100%	Nil	Nil
	UG II Year	100%	Nil	Nil
	UG III Year	100%	Nil	Nil
	PG I Year	100%	Nil	Nil
	PG II Year	100%	Nil	Nil



2012-13	UG I Year	100%	Nil	Nil
	UG II Year	100%	Nil	Nil
	UG III Year	100%	Nil	Nil
	PG I Year	100%	Nil	Nil
	PG II Year	100%	Nil	Nil
2011-12	UG I Year	100%	Nil	Nil
	UG II Year	100%	Nil	Nil
	UG III Year	100%	Nil	Nil
	PG I Year	100%	Nil	Nil
	PG II Year	100%	Nil	Nil
2010-11	UG I Year	100%	Nil	Nil
	UG II Year	100%	Nil	Nil
	UG III Year	100%	Nil	Nil
	PG I Year	100%	Nil	Nil
	PG II Year	100%	Nil	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?–**

S.No	Year	Name of Exam	No. of Students
1.	2012-13	State Bank of India	1
2.	2012-13	Ph.D. Entrance	02
3.	2011-12	Ph.D. Entrance	02

**29. Student progression**

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil.	Nil
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	Nil
Employed	
•Campus selection	Nil
•Other than campus recruitment	100%
Entrepreneurship/Self-employment	Nil

30. **Details of Infrastructural facilities**

- a) **Library** -3613 Books in Central Library  
Departmental Library –Departmental Library with 476 books including Journals  
Book bank with 224 books.
- b) **Internet facilities for Staff & Students** -Yes
- c) **Class rooms with ICT facility** – One Television with DVD Player, Language Lab
- d) **Laboratories (Major Instruments) / Facilities**–01

31. **Number of students receiving financial assistance from college university, Government or other agencies–**

S.No	Year	Type of the Scholarship	No. of Beneficiaries
1.	2012-13	Government Scholarship	01
2.	2011-12	Government Scholarship	01
3.	2009-10	College	01
4.	2008-09	College	01

32. **Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts** –Subject based Special lectures and workshops are conducted from time to time.33. **Teaching methods adopted to improve student learning–**

- Use of Various Audio-Visual Aids, Preparation of charts and posters, Vocabulary Exercises, subject based projects, Power-Point presentation etc.

34. **Participation in Institutional Social Responsibility (ISR)and Extension activities–**

The students participate in institutional social responsibility and extension activities through NCC and NSS. The details of which are as follows:

Session	No of students of department enrolled (NSS)	No of students of department enrolled (NCC)
2010-2011	04	-
2011-2012	04	02
2012-2013	01	01
2013-2014	02	-

**Any Other –**

- Conducted communicative skills classes for the students of all the faculties.
- Remedial classes were taken for the weak students.

35. **SWOC analysis of the department and Future plans - Strength –**

- In-spite of getting weak students the department is able to produce cent-percent results.

- Considering the poor communicative skills of the students the department conducts Communicative English classes for the students of all faculties.

**Weakness–**

- We are not able to involve students in analytical and research activities as they come from different streams and have little command over literature and language.
- Lack of stability of the permanent staff in the department.

**Opportunities**

- Most of the students get good jobs after doing their masters in English.
- Can start research activities in the department with assistance from funding agencies like UGC and MPCST.

**Challenges-**

- The need for effective communication in this highly competitive world, teaching communicative English poses the greatest challenge.
- The Department endeavors to create interest among the students and facilitates them to hone their communicative skills.

**Future plans-**

- To upgrade the department as Research Center
- To introduce professional courses like Translation, Journalism and mMass Communication

**Any Other –**

Department publishes its mothly News Letter “Interface”



## *Department of Hindi*

# Department of Hindi

1. **Name of the department** – Hindi
2. **Year of Establishment** - 1975
3. **Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)** - U.G-B.A. , P.G.-M.A.(Hindi) , Ph.D.
4. **Names of Interdisciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system (programme wise)** - Semester
6. **Participation of the department in the courses offered by other departments** - Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** --Ph.D. in collaboration with Atal Bihari Vajpayee Hindi Vishvavidyalay, Bhopal.
8. **Details of courses/programmes discontinued (if any) with reasons** -Nil
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	04	04
Guest Faculty (Asst. prof.)	01	01

10. **Faculty profile with name, qualification, designation, specialization(D.Sc./D.Litt./ Ph.D./M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4
Dr. Binay Rajaram	Ph.D.,M.A	Professor	Comparative Literature	30 year	14
Dr. Anupama Chauhan	Ph.D.,M.A	Asst. Professor	Adhunik Gadya Sahitya	10 year	-

Dr. Manisha Tripathi	Ph.D.,M.Phil.M.A	Asst. Professor	Mahila Lekhan	09 year	-
Dr. Anuradha Singh	Ph.D.,M.A	Asst. Professor	Vyang Vidha	09 year	-
Dr. Mugdha Thakur	Ph.D.,M.A	Guest Faculty	Gadya Sahitya	-	

**11. List of senior visiting faculty –**

2010-11

1. Smt. Jaya Arya (Retired Sr. Anouncer of Akashwani(M.P.))
2. Shri Mahesh Srivastav ( Senior Journalist /Ex. Ch. Editor Of Dainik Bhaskar )
3. Shri Rameshwar Mishr Pankaj (Sahityakar/SacrataryBharat Bhavan
4. Shri Prabhudayal Mishr (Bhashavid) ,Bharat Bhava

2011-12 –

1. Dr. Manmohan Upadhaya (Sanakrit Vidwan/)
2. Shri Subhash Arora (MD- Rajbhasha- Bank of Baroda, Bhopal) & other officials.

2012-13-

1. Shri Manoj Shrivastava (Administrative Officer,M.P.Govt.)
2. Mrs. Mehrunisha Parvej ( Eminent Hindi Writer/Kathakar)
3. Shri Ramakant Dubey ( Director , Manas Bhawan ,Bhopal)

2013-14-

1. Shri Kailash Chandr Pant (Mantri –Sanchalak,M.P RastraBhasha prachaSamitti,Hindi B havan Nyaas,Bhopal)
2. Dr. Devendra Deepak ( Sahityakar/ Ex-Director Sahity Academy, M.P. Govt. Bhopal)
3. Smt. Malti Joshi (Eminent Hindi Kathakar)
4. Dr. Mangala Anuja ( Director- Madhav Rao Sapre Sangrahalay)

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty - 20%**

**13. Student-Teacher Ratio (programme wise) –**

U.G.	Hindi Literature	FC
2010-11	25 :05	1153 :04
2011-12	22 :05	1243 :05
2012-13	22 :05	1243 :05
2013-14	11 :05	1121 :05
P.G.		
2010-11		07:04
2011-12		06:04
2012-13		03:04
2013-14		05:04

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled – Nil**

15. **Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ M.Phil./ P.G. –**

Qualification	No. of Faculty
DSc	-
D.Litt	-
Ph.D	04+01(Guest faculty)
M.Phil	-
PG	-

16. **Number of faculty with ongoing projects from**

a) **National** – Nil

b) **International** – Nil

Funding agencies and grants received -Nil

17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received –One Minor Project , Funded by U.G.C. CRO, Bhopal (2004)-**

Applied for major Project by UGC Delhi (2014)

18. **Research Centre/facility recognized by the University –**

- Barkatullah Vishvavidyalay Bhopal
- Atal bihari Vajpai Hindi Vishvavidyalay Bhopal

19. **Publications:**

Publications	Dr. Binay Rajaram	Dr. Aupama Chauhan	Dr.Manisha Tripathi	Dr. Anuradha Singh
Publication per faculty	14	06	02	04
Number of papers published in peer reviewed journals (national/international) by faculty and students	-	03	02	02
Number of publications listed in International Database (For Eg: Web of Science, Scopus, etc.)	-			
Monographs	-	-		
Chapter in Books	11			
Books Edited	09	-		
Publication with ISBN/ISSN	19			
Citation Index(h-index i10 value)	-			
Publication with SNIP	-			
Publication with SJR	-			

Publication with Impact factor and range of Impact factor	-			
Publication with H-index and range of H-index	-			

▪ Publication per faculty - Dr. Binay Rajaram

वर्ष	प्रकाशित शोध-पत्र	प्रकाशन संस्था	काल खंड	पृष्ठ	ISBN
2014	प्रेमचन्द की लेखकीय उर्जा और आस्था का विश्लेषण-कहाली 'जेहाद' के जरिए	HIGHBROW-Publisher-Sri Sathya Sai College for Women	October 2014	पृ. 56- 65	ISSN:2350-1154
2014	"Text Parallels in the Barlaam and Josaphat: A Christian Scripture and the Budha Charitam"	Proceeding of Indian Art History Congress Published in Guwahati (Assam) by IAHC		Page No.211-225	Text
2013	'अपने युग के अनन्य कवि'	शोध निबंध - 'संवाद और हस्तक्षेप' (पावस व्याख्यान माला) हिन्दी भवन न्यास प्रकाशन, भोपाल / खंड-18	वार्षिक VAD अंक	पृ.76-79	-----
2013	'अपने समय के अनन्य शब्द साधक पं. भवानी प्रसाद मिश्र'	आलेख - 'साक्षात्कार,' म.प्र. साहित्य अकादमी मासिक पत्रिका -अंक-401	मई	पृ.26-30	RNI-30993/76
2012	'वैश्विक परिदृश्य में भारतीय आख्यानों की व्याप्ति'	शोध आलेख - 'वैचारिकी' द्वैमासिक शोध पत्रिका, कोलकाता	नवम्बर-दिसम्बर	पृ.76-79	RNI-22298/71
2012	'ललित निबंधके कुछ आयाम'	आलेख-'संवाद और हस्तक्षेप' (पावस व्याख्यान माला) हिन्दी भवन न्यास प्रकाशन, भोपाल / खंड-17	वार्षिक VAD अंक	पृ. 126-128	-----
2011	'वर्तमान ओड़िया साहित्य में कथा लेखन की पड़ताल - पारमिता	'संवाद सृजन'-म.प्र. प्रेमचन्द सृजन पीठ साहित्य-वार्षिकी, उज्जैन म.प्र./अंक-4	वार्षिक VAD अंक	पृ. 171-175	-----



	सतपथी की कहानियों के बहाने		V		
2011	'देहातीत, समयातीत कवि नवीन'	आलेख- <u>'साक्षात्कार,'</u> म.प्र. साहित्य अकादमी मासिक पत्रिका -अंक-375	मार्च	पृ.26-30	RNI-30993/76
2007	'राष्ट्र बोध की भावना और साहित्य'	'पूर्वग्रह', आलोचना त्रैमासिकी, भारत भवन /अंक-122	मार्च- मई	पृ.29-31	ISBN-953-96213-6-4
2007	'जेहाद के जरिये असली प्रेमचन्द की खोज'	'संवाद-सृजन', म.प्र. प्रेमचन्द सृजन पीठ साहित्य-वार्षिकी, उज्जैन म.प्र.अंक-1	वार्षिक VAD अंक	पृ.19-24	-----
2007	'चित्रों और शब्द चित्रों की रचनाकार महादेवी वर्मा'	'रचना'-म.प्र. शासन उच्च शिक्षा विभाग एवं म.प्र. हिन्दी ग्रन्थ अकादमी का साहित्यिक द्वैमासिकी, संयुक्तांक-67-68	मई से अगस्त	पृ.76-79	-----
2007	'निराला की राष्ट्रभक्ति के निराले प्रतिमान'	'रचना'-म.प्र. शासन उच्च शिक्षा विभाग एवं म.प्र. हिन्दी ग्रन्थ अकादमी का साहित्यिक द्वैमासिकी, संयुक्तांक-68-69	मई से अगस्त	पृ.55-58	-----
2006	'भाषायी राजनीति का शिकार रही हिन्दी की वैश्विक माँग - करवट लेती नयी चुनौतियाँ'	'रचना'- हिन्दी ग्रन्थ अकादमी / अंक-62	सितंबर-अक्टूबर	पृ.03-06	-----
2004	'नव जागरण और साहित्य - युग पुरुष कबीर और भारतेन्दु के परिप्रेक्ष्य में'	'इंगित - साहित्य वार्षिकी-शताब्दी वर्ष विशेषांक' शोध पत्र -मध्यभारतीय हिन्दी साहित्य सभा, ग्वालियर	वार्षिक VAD अंक	पृ.125.128	ISBN-953-96213-6-4

विश्वकोश —

2007	Indian culture-3vols.— Literature and Linguistics (3)	'Indian Impact on Mediaval European Literature'	Bharatiya Vidya Mandir publication- Ratan Bharati Templ Bikaner/Simplex infra structuresLtd.	Editor- Jaikishandas Sadani Co-Ed. Bithaldas Mundhra	पृ. 299-173
2005	“मानव मूल्य परक शब्दावली का विश्वकोश” (पाँच खण्ड)	दो शोध आलेख संगृहीत (खण्ड तृतीय एवं खण्ड पंचम् में) लेखक संख्या-96	भारतीय संस्कृति संस्थान, चंडीगढ़ द्वारा प्रकाशित,	प्रधान संपादक – डॉ. धर्मपाल मैनी	ISBN-81-7625-612-9

प्रकाशित पुस्तकें —

निबंध-संकलन —

2007	‘तथैव च’ (म.प्र. साहित्य अकादमी द्वारा राष्ट्रीय माखनलाल चतुर्वेदी पुरस्कार तथा रा.भा.प्र.स.भोपाल का श्री हरिहरनिवास द्विवेदी पुरस्कार, प्राप्त)	साहित्य संगम प्रकाशन, इलाहाबाद-उ.प्र.	ISBN-978-81-8097-110-5
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समूहिक निबंध संकलन —

वर्ष	प्रकाशित पुस्तक	प्रकाशित निबंध	संपादन	प्रकाशन संस्था	पृष्ठ	ISBN-
2014	‘वर्तमान भारतीय साहित्य - अस्मिता और चुनौतियाँ’	“राष्ट्रीय अस्मिता और साहित्य”	संपा. कानाटे	अखिल भारतीय साहित्य परिषद न्यास प्रकाशन, झंडेवाला दिल्ली जनवरी	पृ. 68-70	ISBN-978-81-928577-0-1
2014	‘सत चित और आनंद के कवि अज्ञेय’	“नई कविता - विविध पक्ष” शोधनिबंध संग्रह	संपा. डॉ. अदिति सैकिया-डिब्रूगढ़, असम	उद्योग नगर प्रकाशन, गाजिया बाद, उ.प्र.	पृ. 96-114	ISBN-978-93-80455-76-1

2014	‘संत परंपरा के अद्भुत कवि संत सुंदरदास ’	‘‘संतों का साहित्यिक अवदान’’	संपा. क्रांति कनाटे	अखिल भारतीय साहित्य परिषद न्यास प्रकाशन, झंडेवाला दिल्ली जनवरी	पृ. 157-162	ISBN-978-81-928577-0-2
2012	‘संपूर्ण निसर्ग की समरसता की प्रतीकात्मक अभिव्यक्ति है रामायण’	शोध आलेख ‘साहित्य परिक्रमा विशेषांक (पुस्तकाकार) ‘भावरूप राम ’	संपा. श्री मुरारी लाल गुप्त गीतेश	अखिल भारतीय साहित्य परिषद न्यास प्रकाशन, झंडेवाला दिल्ली जनवरी	पृ. 76-79	RNI-DELHIN-2000/3061
2010	‘लोक नाट्य का आधुनिक रूप है महानाटक जाणता राजा’	‘‘भारतीय नाट्यरंग-नाट्य संबंधी शोध आलेख-संकलन ग्रन्थ	संपा. डॉ. कृष्ण मुरारी शर्मा	अखिल भारतीय साहित्य परिषद न्यास प्रकाशन , झंडेवाला दिल्ली	पृ. 76-79	
2010	‘निष्पक्ष आलोचना के प्रतीक पुरुष डॉ. धनंजय वर्मा’	आलेख –संकलन ग्रंथ	संपा. डॉ. आरती दुबे	साहित्य भंडार प्रकाशन, इलाहाबाद	पृ. 157-166	ISBN-978-81-7779-233-1
2010	भारतीय स्वतंत्रता आन्दोलन में छायावादी काव्य का अवदान	छायावादी काव्य और उसके कवियों का अवदान	संपा. डॉ. अवधेश शुक्ल	सत्यम पब्लिशिंग हाउस, एन-3, 25 मोहन गार्डन, नई दिल्ली	पृ. -20-26	ISBN-978-93-80190-42-6
2004	‘‘पचास दशकों का कविता नामा-बनाम डॉ. प्रभुदयालु अग्निहोत्री’’	मूल्यांकन ‘‘AGNI HOTRA-Studies in Indic Tradition (Prof. Prabhu Dayalu	Editor- K. K. Chaturvedi, R. K. Sharma & Gautam Bhai Patel	Published - Sharda Publication, New Delhi	पृ.62-67	ISBN-81-85616-96-5

		Agnihotri falicitation vol. bi- lingual )				
2004	'नाटक के विकास में लोक-नाटक की भूमिका'	संकलन ग्रन्थ "हिन्दी नाट्य परिदृश्य"	(संपा. धीरेन्द्र शुक्ल)	शोध आलेख - प्रकाशन संस्थान, नई दिल्ली	पृ. 170-173	ISBN-81-7714-175-9

संपादन ---

वर्ष	प्रकाशित पुस्तक / प्रकाशित निबंध/ संपादन	प्रकाशन संस्था	अंक/	ISBN-
2014	'उजास'-भाग एक से आठ तक- हिंदी विषय की पाठ्य पुस्तकों का संपादन,	हिंदी विषय पिनेकल प्रकाशन-1865, दूसरी मंजिल, चीराखाना, नई सड़क दिल्ली	Vol. I/II/ III/IV /V also VI- VIII	ISBN-978-81-928914-0-8 / 1-5 / 2-2 / 3-9 / 4-6
2014	'यादों का सफर'-कवि डॉ. अररुण चंद्र पाण्डेय द्वारा रचित गजल संग्रह	संपादन	पुस्तक	
2010	'साहित्य परिक्रमा' साहित्य-त्रैमासिकी के 'नारी विशेषांक'	का संपादन (प्रमुख संपादक) अखिल भारतीय साहित्य परिषद न्यास प्रकाशन, झंडेवाला दिल्ली-	नवम्बर	
संपादन-सहयोग 2006 से 2008 तक	'रचना' साहित्यिक द्वैमासिकी	- म.प्र. हिन्दी ग्रन्थ अकादमी/उच्च शिक्षा विभाग	पत्रिका	
सहयोग 2006 से 2008 तक	'पूर्वग्रह', आलोचना त्रैमासिकी,	भारत भवन प्रकाशन , संपादन-	पत्रिका	
1995 से 2007 तक	'दिव्या' महाविद्यालय पत्रिका की 12 वार्षिकांको की प्र	मुख संपादक 'स्वतंत्रता स्वर्ण जयन्ती विशेषांक' एवं 'महाविद्यालय रजत जयन्ती विशेषांक' सहित,	पत्रिका	
1998-2004 तक	कक्षा पाँचवी, छठवीं, सातवीं की हिन्दी पाठ्यपुस्तकों का संपादन	राज्य शिक्षा केन्द्र भोपाल द्वारा प्रकाशित	पुस्तक	
2004	मधुचक्र सामूहिक बहुभाषी कविता संकलन,	अखिल भारतीय साहित्य परिषद् भोपाल का प्रकाशन	पुस्तक	

(i) कविता संग्रह —

वर्ष	प्रकाशित पुस्तक	प्रकाशन संस्था	ISBN
2014	'स्वर्ग का द्वार'	सृजन भारती प्रकाशन, इलाहाबाद	ISBN-978-93-82959-00&7
2012	'उत्तर दो सप्तवर्णी', का गुजराती अनुवाद 'आपो उत्तर ओ सप्तवर्णी'	मध्यप्रदेश तुलसी साहित्य अकादमी प्रकाशन, भोपाल	ISBN-978-93-81028-11&7
2011	'अठखेलियों'— शिशु गीत संकलन	उमेश प्रकाशन, इलाहाबाद, उ.प्र.	ISBN-978-81-88494-69-9
2007	'किसी को तो शिव बनना होगा'	अरविन्द प्रकाशन, आगरा	ISBN-978-81-88492-51-0

कहानी संग्रह —

वर्ष	प्रकाशित पुस्तक	प्रकाशन संस्था	ISBN
2012	'चुगली की सजा'	(बाल कथा संग्रह) — पार्वती प्रकाशन, गोविन्दपुर, इलाहाबाद	ISBN-81-89056-07-7
2011	'जंगल का राजा'(बाल कथा संग्रह)	—शिवम् प्रकाशन, इलाहाबाद	ISBN-978-81-904166-4-2
2007	'जंगल का वह नन्हा शहीद'	(बाल कथा संग्रह), राष्ट्रीय प्रकाशन, भोपाल	ISBN-81-89347-34-9
2007	'परिवर्तन' (बाल कथा संग्रह),	राष्ट्रीय प्रकाशन, भोपाल	ISBN-81-89347-34-9
2004	'बौना बरगद'	(बाल कथा) आलोक प्रकाशन, इलाहाबाद (उ.प्र.)	ISBN-81-902597-7-6

▪ Publication per faculty - Dr. Anupama Chouhan

Year	Title of research paper/Book	Name of Journal/Publishers	Vol. and page no.	ISSN/ISBN no.	Impact factor of the Journal
2014	सूक्ष्म दृष्टि का विराट फलक —समीक्षा—	वार्ता वाहक— कटक उड़ीसा	Page- No.34-35	ISSN:2321-8789	
2014	भारतीय कथा परंपरा और उपन्यास	HIGHBROW- Editor- Dr. Shampa Malhotra Publisher-Sri Sathya Sai College for Women	Vol.-I- (Page No. - 22-33)	ISSN:2350-1154	-
2010	रामचरितमानस में नारी —साहित्य परिक्रमा—	अखिल भारतीय साहित्य परिषद	नारी विशेषांक पृष्ठ क्र०—	RNI-DELHIN/2000/3061	

2006	पिता दर पिता— समीक्षा— अक्षरशिल्पी	श्री राजुरकर राज	पृष्ठ क्र०—69. 70	MPHIN/2002/14356	
2004	दर्द पराए का — समीक्षा — अक्षरशिल्पी	श्री राजुरकर राज	पृष्ठ क्र०—68. 69	MPHIN/17257/12/1/2002/TC	
2010	महादेवी वर्मा का काव्य दर्शन	छायावादी काव्य और उसके कवियों का अवदान	Page- No.188	ISBN-978-93-80190-42-6	

Publication per faculty -Dr. Manisha Tripathi

Year	Title of research paper/Book	Name of Journal/Publishers	Vol. and page no.	ISSN/ISBN no.	Impact factor of the Journal
2014	“ जनता की वेदना और निराला की कविता”	HIGHBROW	Vol.-I- (Page No. - 111-117)	ISSN:2350-1154	-
2010	निराला का मानवतावाद	छायावादी काव्य और उसके कवियों का अवदान	Page- No.172	ISBN:978-93-80190-42-6	-

Publication per faculty -Dr. Manisha Tripathi

Year	Title of research paper/Book	Name of Journal/Publishers	Vol. and page no.	ISSN/ISBN no.	Impact factor of the Journal
2014	“ जनता की वेदना और निराला की कविता”	HIGHBROW	Vol.-I- (Page No. - 111-117)	ISSN:2350-1154	-
2010	निराला का मानवतावाद	छायावादी काव्य और उसके कवियों का अवदान	Page- No.172	ISBN:978-93-80190-42-6	

## Publication per faculty -Dr. Anuradha Singh

Year	Title of research paper/Book	Name of Journal/Publishers	Vol. and page no.	ISSN/ISBN no.	Impact factor of the Journal
2014	भारत में व्यंग्य लेखन परंपरा का प्राचीन इतिहास	HIGHBROW	Vol.-I- (Page No. -34-42)	ISSN:2350-1154	-
2014	UJJAS	Pinnacle Priem Publishing	Class-I	Vol. I- ISBN:978-81-928914-0-8	
2014	UJJAS	Pinnacle Priem Publishing	Class- II	Vol. II- ISBN:978-81-928914-1-5	
2010	वामायनी: मानवता का रसात्मक इतिहास	छायावादी काव्य और उसके कवियों का अवदान	Page- No.107	ISBN:978-93-80190-42-6	

## 20. Areas of consultancy and income generated -Nil

## 21. Faculty as members in

## a) National committees

## 1. Dr. Binay Rajaram-

- Akhil Bharatiy Sahitya parishad Nyas, Delhi-Rastriya Mantri
- Trusty of Bharat Bhawan Nyas.
- Nominated Member of M.P. Rajya Shiksha Kendra.
- Nomited Member of Association to help financialy weak litrary person.
- Editar of hindi pathaya pustak (1 to 8) Ujaas .
- Expert in Selection Committee of teacher in Private Schools –IPS, HEMA, DPS, etc.
- Cordinator & Member of Puraskar Nirnayak Samiti-Rashttr Bhasha Prachar Samiti, Nyas Bhopal
- Atal Bihari Bajpai Hindi Vishwavidhyalaya-Resarch Guide 2013 onwards -

## 2. Dr. Anupama Chauhan-

- Akhil Bharatiy Sahitya Parishad Nyas, Delhi -- Member in Bhopal Unit
- Associated with Akaswani/ Doordarshan-
- Comparing in National & International programes Litrary in Bharat Bhawan Comparing & Participation in Literary Programes-Hindi Bhawan
- Associated with MLB , Makhan lal Chatuervedi & BSS College (Checking Answer Sheet) .

## 3. Dr.Manisha Tripathi

- Akhil Bharatiy Sahitya Parishad Nyas, Delhi-Member in Bhopal Unit
- Associated with MLB , Makhan lal Chatuervedi & BSS College (Checking Answer Sheet) .

## 4. Dr. Anuradha Singh—

- Akhil Bharatiy Sahitya Parishad Nyas, Delhi-Member in Bhopal Unit.
- Participation in writing hindi text books- class 1,2
- Associated with MLB , Makhan lal Chatuervedi & BSS College (Checking Answer Sheet) .

## 22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme – Nil**

b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –**

Year	Class	Percentage
2013-14	Final Year – UG	33.33%
	Final Year – PG	100%
2012-13	Final Year – UG	41.66%
	Final Year – PG	100%
2011-12	Final Year – UG	66.66%
	Final Year – PG	100%
2010-11	Final Year – UG	55.55%
	Final Year – PG	100%

## 23. Awards/Recognitions received by faculty and students –

S.No	Name of the Faculty	Award/Recognition received
1.	Dr. Binay Rajaram	सम्मान— 2013 “राष्ट्रीय तुलसी राम साहित्य सम्मान”— “टी.आर. नेमा फाउंडेशन , नरसिंह पुर, मध्यप्रदेश 2009 “केशरबाई सोनी स्मृतिराष्ट्रीय साहित्यांचल शिखर सम्मान”—साहित्यांचल, भीलवाड़ा (राजस्थान) 2007 “गंग देव, गुलाब राय सम्मान” अखिल भारतीय हिन्दी विकास परिषद, विधूना, ओरैया – तृतीय सम्मान समारोह 2006 ‘भारती भूषण अलंकरण’, राष्ट्रीय राजभाषा पीठ, इलाहाबाद 14 सितम्बर 2006 वीरांगना सम्मान’, मातृशौर्य दिवस, संस्कार भारती महानगर, ग्वालियर 19 नवम्बर



		<p>पुरस्कार—</p> <p>2014 “श्री राजेंद्र अनुरागीस्मृतिबाल साहित्य सममान2013”— बाल कल्याण एवं बाल साहित्य शोध केंद्र , भोपाल</p> <p>2011 “सक्री बा स्मृति पुरस्कार”, नई कविता हेतु ‘किसी को तो शिव बनना होगा’,</p> <p>हिन्दी लेखिका संघ म.प्र., भोपाल (म.प्र.)</p> <p>2009 “तथैव च” निबंध संकलन पर साहित्य अकादमी म.प्र. संस्कृति परिषद का राष्ट्रीय माखनलाल चतुर्वेदी पुरस्कार।</p> <p>2009 “स्व. शकुन्तला दुबे सम्मान” (नई कविता) – कादंबरी साहित्यिक /सांस्कृतिक संस्थान, जबलपुर (म.प्र.)</p> <p>2008 “तथैव च” निबंध संकलन पर श्री हरिहरनिवास द्विवेदी पुरस्कार, राष्ट्रभाषा प्रचार समिति, भोपाल</p>
2.	Dr. Anupama Chouhan	<p>1. Pavaiya Pandulipi Puraskar By Kala Mandir Bhopal-2006</p> <p>2. First Prize in prashanmanch &amp; Chitrkakala Pritiyogita-2006 by Tulsi Manas Sansthan Bhopal</p>
S.No	Name of the Student	Award/Recognition received
1.	Smt. Preeti Jain	2011- Winner of 5000/- Cash award from Bank of Baroda For 1 <sup>st</sup> in merit list – Barkatullah University Bhopal.
2.	Ku. Akansha Bhargav	2011- Winner of 5000/- Cash award from Bank of Baroda For 1 <sup>st</sup> in merit list – Barkatullah University Bhopal.
3.	Ku. Shruti Misra Ku. Kajal Solanki Ku. Laxmi Singh Ku. Neha Srivas Ku. R.Sripriya Ku. Sapana Dadhore	. 06 Students get prizes in inter-collegiate competitions held by Atal Bihari Vajpai Hindi Vishwa Vidyalaya during Hindi Pakhwada 2012-13
4.	Ku. Kajal Solanki Ku. Laxmi Singh	02 Students -Winner of Story Competition from Madhya Pradesh Hindi Lekhika Sangh -2012-13

24. **List of eminent academicians and scientists/visitors to the department –**

S.No.	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
2013-14	Shri Kailash Chandr Pant	(Mantri-sanchalak M.P Rashtra Basha Prachar Samiti Bhopal)
	Dr. Devendr Deepak	( Sahityakar)
	Smt. Malti Joshi	(Kathakar)
	Dr. Mangala Anuja	(Patrkarita Visheshagya)
2012-13	Shri Manoj Shrivastava	(Administrative Officer)
	Mrs. Mehrunisha Parvej	(Kathakar)
	Shri Ramakant Dubey	(Administrative Officer)
	Shri Prabhudayal Mishr	(Bhashavid)
2011-12	Dr.Manmohan Upadhaya	(Sanakrit Vidwan)
	Shri Subhash Arora	(MD- Rajbhasha- Bank of Baroda) & other officials.
2010-11	Smt. Jaya Arya	(Retired Sr. Anouncer of Akashwani)
	Shri Mahesh Srivastava	Journalist
	Shri Rameshwar Mishr Pankaj	Sahityakar

25. **Seminars/Conferences/Workshops organized & the source of funding**

- a) **National** - Nil
- b) **International** - Nil

26. **Student profile programme/course wise:**

UG Batch	Name of the Course/ programme (refer question no. 3)	Applications received	Selected	Enrolled in exam	Pass percentage
2013-14	B.A.-I	-	-	-	-
	B.A.-II	-	-	-	-
	B.A.-III	05	05	05	100%
	B.A.-IV	05	05	05	100%
	B.A.-V	06	06	06	100%
	B.A.-VI	06	06	06	100%
2012-13	B.A.-I	05	05	05	100%
	B.A.-II	05	05	05	100%
	B.A.-III	06	06	06	100%

	B.A.-IV	05	05	05	100%
	B.A.-V	11	11	11	100%
	B.A.-VI	11	11	11	100%
2011-12	B.A.-I	08	08	08	100%
	B.A.-II	08	08	08	100%
	B.A.-III	11	11	11	100%
	B.A.-IV	11	11	11	100%
	B.A.-V	03	03	03	100%
	B.A.-VI	03	03	03	100%
	2010-11	B.A.-I	12	12	12
B.A.-II		12	12	12	100%
B.A.-III		04	04	04	100%
B.A.-IV		04	04	04	100%
B.A.-V		09	09	09	100%
B.A.-VI		09	09	09	100%

PG Batch	Name of the Course/ programme (refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	M.A.I	04	04	04	100%
	M.A.II	04	04	04	100%
	M.A.III	01	01	01	100%
	M.A.IV	01	01	01	100%
2012-13	M.A.I	01	01	01	100%
	M.A.II	01	01	01	100%
	M.A.III	02	02	02	100%
	M.A.IV	02	02	02	100%
2011-12	M.A.I	02	02	02	100%
	M.A.II	02	02	02	100%
	M.A.III	04	04	04	100%
	M.A.IV	04	04	04	100%
2010-11	M.A.I	04	04	04	100%
	M.A.II	04	04	04	100%
	M.A.III	03	03	03	100%
	M.A.IV	03	03	03	100%

## 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	—	—	—
	UG II Year	75%	25%	
	UG III Year	80%	20%	
	PG I Year	75%	25%	
	PG II Year	100%	—	
2012-13	UG I Year	80%	20%	
	UG II Year	84%	16%	
	UG III Year	100%	—	
	PG I Year	100%	—	
	PG II Year	100%	—	
2011-12	UG I Year	90%	10%	
	UG II Year	100%	—	
	UG III Year	100%	—	
	PG I Year	100%	—	
	PG II Year	100%	—	
2010-11	UG I Year	100%	—	
	UG II Year	100%	—	
	UG III Year	100%	—	
	PG I Year	100%	—	
	PG II Year	100%	—	

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? – Nil

## 29. Student progression

Student progression	Against%enrolled
UG to PG	50%
PG to M.Phil.	N.A.
PG to Ph.D.	50%
Ph.D.to Post-Doctoral	N.A.
Employed	
•Campus selection	-
•Other than campus recruitment	90%
Entrepreneurship/Self-employment	10%

30. **Details of Infrastructural facilities**

- a) **Library** - 2851 Books and 05 journals and Magazine- 09  
Departmental Library -150 books  
Book bank-450
- b) **Internet facilities for Staff & Students** -Available
- c) **Class rooms with ICT facility** –Nil
- d) **Laboratories(Major Instruments)/ Facilities** –Nil

31. **Number of students receiving financial assistance from college, university, Government or other agencies –**

S.No	Year	Type of the Scholarship	No. of Beneficiaries
1	2013-14	S.C./ Freeship	02 / 04
2	2012-13	S.C. / S.T. / Freeship	02 / 02 / 03
3	2011-12	S.C. / S.T. /O.B.C./ Freeship / Sister cons.	02 / 02 / 01 / 02 / 01
4	2010-11	S.T. / Freeship	01 / 01

32. **Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts - Special Lectures, Workshop, Film show (Based on Indian Literature)**33. **Teaching methods adopted to improve student learning –**

- Lectures
- Class test
- Chart / Poster Making
- Assignments as part of CCE
- School Teaching
- Project Work
- Group Discussion
- News Collection/ News Writing
- Initial Training of Journalism
- Hindi Computing/ Typing
- Presentation
- For Ph. D Students- 1. Survey Work, 2. Interview, 3. Visit to special sites

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities –**

The department participates in extension activities and activities of social responsibility through the NSS and NCC. The details are as follows

Session	No. of participants in NSS	No. of participants in NCC
2010-11	13	-
2011-12	02	02
2012-13	06	05
2013-14	05	-

- Any Other -PRO, Press Reporting work

**35. SWOC analysis of the department and Future plans -**

**Strength:**

- Well Qualified Teachers in the Department.
- Departmental Library & Central Library Available.
- Internet & Computer Facility for Students.
- Film show for Hindi students Based on Indian Literature.

**Weakness:**

- No. of students is less.

**Opportunities:**

- The Prime Minister of India's emphasis on the use of Hindi at the global level has helped Hindi to acquire a distinctive place in the International Scenario.
- After M.A Hindi the students can opt for
  - School Teaching
  - Hindi Officer in different Banks
  - PRO in Public Sectors
  - Translator-Junior & Senior in Government & Private Sectors.
  - Opportunity in IAS/IPS/MPPSC and other Competitive Exams.
  - Assistant Professor in Higher Education- [after Ph. D]

**Challenges:**

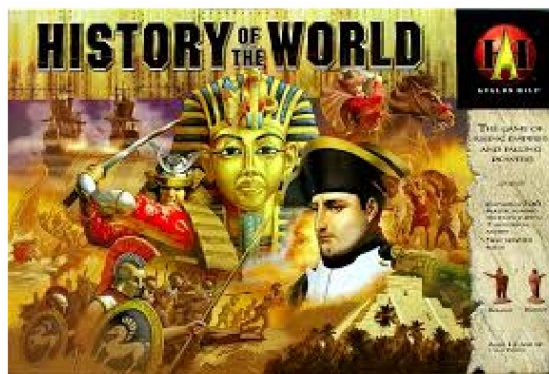
- Our mother tongue - Hindi should be acknowledged and perpetuated at the national and international level too.
- To develop interest of students in Hindi Subject.
- To develop the Hindi as a official language at all levels.

**Future Plans:**

- To open M.Phil. in Hindi.
- To open Journalism course in Hindi.
- To organize Special lectures, Workshops for Students.
- Our department will make special efforts to instill a sense of belonging and respect for the Hindi as a language.

**Any Other :**

Department maintains a wall magazine "Falak Patrika".



*Department of History*

# Department of History

1. **Name of the department** - History
2. **Year of Establishment** - 1975- UG  
1999 -PG
3. **Names of Programmes/Courses offered (UG, PG, M.Phil,Ph.D.,Integrated Masters; Integrated Ph.D., etc.)** - B.A. & M.A. (History)
4. **Names of Interdisciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system (programme wise)** - Semester system
6. **Participation of the department in the courses offered by other departments** - Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** -Nil
8. **Details of courses/programmes discontinued (if any) with reasons** -Nil
9. **Number of teaching posts:** 02

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	02	02

10. **Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr. Deepa Singh	Ph.D, M.A.(History& Sociology)	Assistant Professor	Modern History Sociology	16 years	-
Ms. Pratiksha Shyam	M.A., NET qualified, PGDCA	Assistant Professor	Modern History	5 years	-



11. **List of senior visiting faculty** –Mrs. Pooja Saxena

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty** -Nil

13. **Student-Teacher Ratio (programme wise) –**

<b>U.G.</b> 2010-11	19:01
2011-12	33:02
2012-13	27:02
2013-14	17:02
<b>P.G.</b> 2010-11	01:02
2011-12	02:01
2012-13	03:01
2013-14	01:02

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled** –Nil

15. **Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

<b>Qualification</b>	<b>No. of Faculty</b>
DSc	-
D.Litt	-
Ph.D	01
M.Phil	-
PG	01
NET	-

16. **Number of faculty with ongoing projects from**

- a) **National** – Nil
- b) **International** – Nil
- c) **Funding agencies and grants received** - Nil
- d) **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received** - Nil

17. **Research Centre/facility recognized by the University** –Nil

18. **Publications:** Dr. Deepa Singh-

- Publication per faculty - 04
- Number of papers published in peer reviewed journals (national/international) by faculty and students -04  
Journal of Pure and applied Social Sciences
  - Vol.2 – No.1 Jan.Apr'97.
  - Vol.2 – No. 2-3 May.Dec.'97.
  - Vol.3 – No. 3 Sept.Dec.'98

Dr. Deepa Singh, Responsible Causes of Revolt of 1857, Highbrow Page No. 73-77(2014)

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.) -Nil
  - Monographs -Nil
  - Chapter in Books – Nil
  - Books Edited -Nil
  - Books with ISBN/ISS Numbers with details of publishers – Nil
  - Citation Index -Nil
  - SNIP -Nil
  - SJR -Nil
  - Impact factor –Nil
  - H-index -Nil
19. **Areas of consultancy and income generated -Nil**
20. **Faculty as members in**
- a) **National Committees:** Nil
  - b) **International Committees:** Nil
  - c) **Editorial Boards:** Nil
21. **Student projects**
- a) **Percentage of students who have done in-house projects including inter departmental/programme–Nil**
  - b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –**

Year	Class	Percentage
2013-14	Final Year – UG	26.6%
	Final Year –PG	100%
2012-13	Final Year – UG	36.36%
	Final Year –PG	100%
2011-12	Final Year – UG	16.6%
	Final Year –PG	100%
2010-11	Final Year – UG	37.5%
	Final Year –PG	100%

## 22. Awards/Recognitions received by faculty and students –

S.No	Name of the Student	Award/Recognition received
1.	Ku. Shireen Comfort	Best Cadet Award in Army - Bhopal –group headquarter M.P-2010-2011, Best Student Award-2011-12,

## 23. List of eminent academicians and scientists/visitors to the department –

S.No	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1.	Mrs. Pooja Saxena	Archeologist in Archeological Department, Bhopal

## 24. Seminars/Conferences/Workshops organized &amp; the source of funding

- a) National –Nil  
b) International - Nil

## 25. Student profile programme/course wise:

UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	B.A I Sem.	02	02	02	100%
	B.A II Sem.	02	02	02	100%
	B.A III Sem.	00	00	00	-
	B.A IV Sem.	00	00	00	-
	B.A V Sem.	14	14	14	100%
	B.A VI Sem.	13	13	13	100%
2012-13	B.A I Sem.	00	00	00	-
	B.A II Sem.	00	00	00	-
	B.A III Sem.	16	16	16	100%
	B.A IV Sem.	16	16	16	100%
	B.A V Sem.	11	11	11	100%
	B.A VI Sem.	11	11	11	100%
2011-12	B.A I Sem.	16	16	16	100%
	B.A II Sem.	16	16	16	100%
	B.A III Sem.	12	12	12	100%
	B.A IV Sem.	12	12	12	100%
	B.A V Sem.	06	06	06	100%
	B.A VI Sem.	06	06	06	100%
2010-11	B.A I Sem.	12	12	12	100%
	B.A II Sem.	12	12	12	100%
	B.A III Sem.	08	08	08	100%
	B.A IV Sem.	07	07	07	100%
	B.A V Sem.	16	16	16	100%
	B.A VI Sem.	16	16	16	100%

PG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	M.A I Sem.	Nil	Nil	Nil	-
	M.A II Sem.	Nil	Nil	Nil	-
	M.A III Sem.	01	01	01	100%
	M.A IV Sem.	01	01	01	100%
2012-13	M.A I Sem.	02	02	02	100%
	M.A II Sem.	01	01	01	100%
	M.A III Sem.	03	03	02	75%
	M.A IV Sem.	02	02	02	100%
2011-12	M.A I Sem.	04	04	04	100%
	M.A II Sem.	04	04	04	100%
	M.A III Sem.	Nil	Nil	Nil	-
	M.A IV Sem.	Nil	Nil	Nil	-
2010-11	M.A I Sem.	Nil	Nil	Nil	-
	M.A II Sem.	Nil	Nil	Nil	-
	M.A III Sem.	04	04	04	100%
	M.A IV Sem.	04	04	04	100%

## 26. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	100%-	-	-
	UG II Year	-	-	-
	UG III Year	100%	-	-
	PG I Year	-	-	-
	PG II Year	100%	-	-
2012-13	UG I Year	-	-	-
	UG II Year	100%	-	-
	UG III Year	100%	-	-
	PG I Year	100%	-	-
	PG II Year	100%	-	-
2011-12	UG I Year	100%	-	-
	UG II Year	100%	-	-
	UG III Year	100%	-	-
	PG I Year	100%	-	-
	PG II Year	-	-	-
2010-11	UG I Year	100%	-	-
	UG II Year	100%	-	-
	UG III Year	100%	-	-
	PG I Year	-	-	-
	PG II Year	100%	-	-

27. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? – Nil**

28. **Student progression**

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	20%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D.to Post-Doctoral	-
Employed	-
•Campus selection	20-25%
•Other than campus recruitment	20-25%
Entrepreneurship/Self-employment	20-25%

29. **Details of Infrastructural facilities**

- a) **Library** -Books having Library-787
- b) **Departmental Library** – Available- 138  
Book Bank-86
- c) **Internet facilities for Staff & Students** -Available in department for Staff& staff
- d) **Class rooms with ICT facility** - Nil
- e) **Laboratories(Major Instruments)/ Facilities**–Nil

30. **Number of students receiving financial assistance from college, university, Government or other agencies –**

S.No	Year	Type of the Scholarship	No. of Beneficiaries
1.	2010-11	SC/ST/OBC	03
		Sister concession/ Free ship	01
2.	2011-12	SC/ST/OBC	03
		Sister concession/ Free ship	02
3.	2012-13	SC/ST/OBC	03
		Sister concession/ Free ship	01
4.	2013-14	SC/ST/OBC	02
		Sister concession/Freeship	01+01

31. **Details on student enrichment programmes(special lectures/ workshops/ seminar) with external experts - Special Lectures**
32. **Teaching methods adopted to improve student learning –**
- Lectures
  - Group Discussion
  - Assignment & CCE
  - Project work
  - Special Class or coaching for weak student
33. **Participation in Institutional Social Responsibility (ISR) and Extension activities –**

Session	No. of participants in NSS	No. of participants in NCC
2010-11	19	02
2011-12	10	02
2012-13	06	02
2013-14	06	01

34. **SWOC analysis of the department and Future plans -**

**Strength:**

- Well qualified Teachers in department.
- Books in Departmental Library, Book Bank and in main Library large number of books and journals available.

**Weakness:**

- There are no separate room for UG & PG classes.
- No. of students are less.

**Opportunities:**

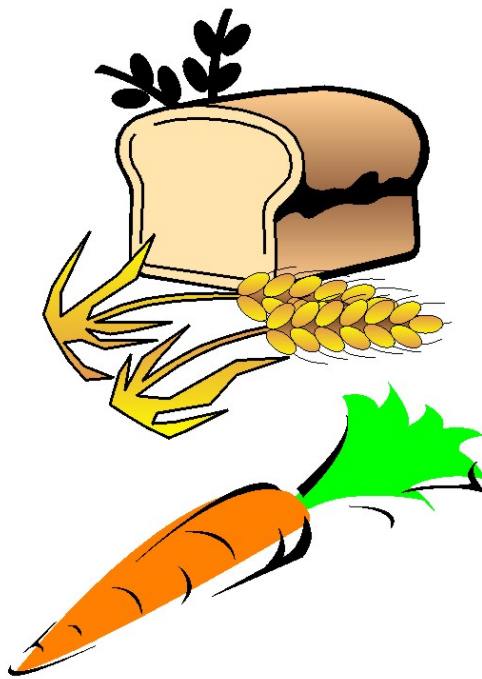
- This Subject is very important for all disciplinary students as a part of General Studies, to prepare for different competitive exams like- UPSC, PSC, SSC, RAILWAYS, Bank etc.
- To hold regular classes to coach students for competitive exams like NET, SLET, PSC, UPSC and bank examination.

**Challenges:**

- To increase no. of student in subject.

**Future Plans:**

- To organize seminar and workshop for the students.
- To commence class for different competitive exam.
- To organize special lectures for students.



***Department of Home Science***

# Department of Home Science

1. **Name of the department** -Home Science
2. **Year of Establishment** - Home Science in B.A. 1976  
B.Sc. Home Science in 1983
3. **Names of Programmes/Courses offered (UG, PG, M.Phil,Ph.D.,Integrated Masters; Integrated Ph.D., etc.)** -B. Sc. Home Science and Home Science as a subject in B.A
4. **Names of Interdisciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system (programme wise)** -Semester System
6. **Participation of the department in the courses offered by other departments** - Special lectures by both the faculty members in the department of education and participation in activities of Health & Wellness Center.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** -Nil
8. **Details of courses/programmes discontinued (if any) with reasons** -Nil
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	2	2

10. **Faculty profile with name, qualification, designation, specialization(D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr. Smt. Shubha D. Kapdeo	Ph.D., M.Sc.	H.O.D and Asst. Professor	Food and Nutrition	32	Nil
Dr. Smt. Malti K. Joshi	Ph.D., M.Sc.	Asst. Professor	Food and Nutrition	30	Nil



11. **List of senior visiting faculty** - Nil

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty** - Nil

13. **Student-Teacher Ratio (programme wise) –**

U.G.	BA 5:2 BSc (H.Sc.) 1:2
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14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled –**

	Sanctioned	Filled
Technical Staff	1	1
Administrative Staff	-	-

15. **Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

Qualification	No. of Faculty
DSc	-
D.Litt	-
Ph.D	2
M.Phil	-
PG	-

16. **Number of faculty with ongoing projects from**

a) **National** – Nil

b) **International** – Nil

**Funding agencies and grants received –Nil**

17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received –Nil**

18. **Research Centre/facility recognized by the University –Nil**

19. **Publications:**

Publications	Dr. Shubha D. Kapdeo	Dr. Malti Joshi
Publication per faculty	01	02
Number of papers published in peer reviewed journals (national/international) by faculty and students	01	01
Number of publications listed in International Database (For Eg: Web of	-	-

Science, Scopus, etc.)		
Monographs	-	-
Chapter in Books	-	-
Books Edited	-	-
Publication with ISBN/ISSN	-	-
Citation Index(h-index i10 value)	-	-
Publication with SNIP	-	-
Publication with SJR	-	-
Publication with Impact factor and range of Impact factor	-	-
Publication with H-index and range of H-index	-	-

20. **Areas of consultancy and income generated –Nil**

21. **Faculty as members in**

a) **National Committees:** Nil

b) **International Committees:** Nil

c) **Editorial Boards:** Nil

d) **Any Other –**

- Dr. Shubha Kapdeo, Life member of (1) Home Association of India, (2) Association of Food Scientists and Technologists (3) Nutrition Society of India. (4) Dietetic Association of India
- Dr. Shubha Kapdeo is Member, Board of Studies of Home Science, Barkatullah University from 2009-13
- Dr. Malti Joshi, Life member of (1) Home Association of India, (2) Association of Food Scientists and Technologists (3) Nutrition Society of India.
- Dr. Malti Joshi is Member, Board of Studies of Home Science, Barkatullah University from 2009-13

22. **Student projects**

a) **Percentage of students who have done in-house projects including inter departmental/programme–**

b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –**

<b>Year</b>	<b>Class</b>	<b>Percentage</b>
2013-14	Final Year – UG	100%
2012-13	Final Year – UG	100%
2011-12	Final Year – UG	100%
2010-11	Final Year – UG	100%

23. **Awards/Recognitions received by faculty and students –**

S.No	Name of the Student	Award/Recognition received
1.	Richa Pathekar, B.Sc.(Home Science) (2006-07)	Secured 9 <sup>th</sup> in Merit (Barkatullah University)
2.	Mariam Bano B.Sc. Home Science (2010-11)	Secured 9 <sup>th</sup> in Merit (Barkatullah University)

24. **List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1	Dr. Meenal Phadnis	Prof. Home Science, Maharnai Lakshmi Bai Govt. Girls College, Bhopal
2	Dr. Menakshi Saxena	Prof. Home Science, Sarojini Naidu Govt. Girls P.G. College, Bhopal

25. **Seminars/Conferences/Workshops organized & the source of funding**

- a) **National** - Nil
- b) **International** -Nil

26. **Student profile programme/course wise:**

UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	BA I Year H.Sc.	2	2	2	50%
	II Year HSc	3	3	3	66.66%
	III Year HSc	4	4	4	100%
	B.Sc. H Sc I Year	-	-	-	-
	II Year	1	1	1	100%
	III Year	-	-	-	-
2012-13	BA I Year H Sc	3	3	3	100%
	BA II Year H Sc	4	4	4	100%
	BA III Year H Sc	5	5	5	100%
	BSc H Sc	-	-	-	-
	BSc H Sc	1	1	1	100%
	BSc H Sc	2	2	2	100%
2011-12	BA I	4	4	4	100%
	BA II	5	5	5	100%
	BA III	2	2	2	100%
	BSc H Sc	-	-	-	-
	BSc H Sc	2	2	2	100%
	BSc H Sc	-	-	-	-

2010-11	BA H Sc I	5	5	5	100%
	BA H Sc II	2	2	2	100%
	BA H Sc III	6	6	6	100%
	BSc H Sc I	2	2	2	100%
	BSc H Sc II	-	-	-	-
	BSc H Sc III	6	6	6	100%

### 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year BA I BSc HSc I	100 -	- -	- -
	UG II Year BA II BSc HSc II	66.66 100	33.33 -	- -
	UG III Year BA III BSc HSc III	25 -	75 -	- -
2012-13	UG I Year BA I BSc HSc I	66.66 100	33.33 -	- -
	UG II Year BA II BSc HSc II	25 -	75 -	- -
	UG III Year BA III BSc HSc III	80 50	20 50	- -
2011-12	UG I Year BA I BSc HSc I	25 -	75 -	- -
	UG II Year BA II BSc HSc II	80 50	20 50	- -
	UG III Year BA III BSc HSc III	50 -	50 -	- -
2010-11	UG I Year BA I BSc HSc I	80 50	20 50	- -
	UG II Year BA II BSc HSc II	50 -	50 -	- -
	UG III Year BA III BSc HSc III	83.3 100	16.66 -	- -

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? –Nil

29. **Student progression**

<b>Student progression</b>	<b>Against % enrolled</b>
UGtoPG BSc H Sc 2010-11	83.3
BSc H Sc 2012-13	100
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D.to Post-Doctoral	-
Employed	
• Campus selection	-
• Other than campus recruitment	-
Entrepreneurship/Self-employment	-

30. **Details of Infrastructural facilities**a) **Library** - 861

Departmental Library -80+100(Book bank)

b) **Internet facilities for Staff & Students** –Nilc) **Class rooms with ICT facility** -Nild) **Laboratories(Major Instruments)/ Facilities**–Well equipped laboratory

List of equipments: -

- Compound Microscopes.
- Permanent slides
- physiology.
- First Aid Box, Bandages.
- Cooking Chullah + Cylinders.
- Pressure Cookers
- Cooking utensils
- Buckets, Tubs and Mugs.
- Mixer
- Dinner Set, Table Liner
- Tea Set.
- Electric Iron.
- OTG
- Microwave oven
- Refrigerator
- Height and Weight
- Sewing Machines.
- Toaster
- Jars for storage.
- Dye bath utensils
- Haemoglobinometer, Haemocytometer.
- Drawing Boards (Full Size & Half Size).
- Machine - Fine Edge Maker.
- Designer Machine.
- Drafting & Cutting Table Covered with Milton Cloth.
- Measuring Equipment for clothing construction.
- Equipment for Dying and Printing.
- Different types of Scissors for

- Measuring equipment
- Blood pressure measuring equipment.
- Water Purifier (Aqua guard).
- Air Cooler.
- Bio-visual charts pertaining to Human Physiology, Anatomy and Microbiology.
- Models of Human Skeletons, Human Brain, heart, eye and stages of embryo development.(FETUS).
- clothing construction.
- Ironing Board.

**31. Number of students receiving financial assistance from college, university, Government or other agencies –**

S.No	Year	Type of the Scholarship	No. of Beneficiaries
1.	2010-11	SC/ST/OBC	Nil
		Sister Concession/ Freeship	Nil
2.	2011-12	SC/ST/OBC	Nil
		Sister Concession/ Freeship	01
3.	2012-13	SC/ST/OBC	Nil
		Sister Concession/ Freeship	02
4.	2013-14	SC/ST/OBC	Nil
		Sister Concession/ Freeship	03

**32. Details on student enrichment programmes(special lectures/workshops/ seminar) with external experts –Nil**

**33. Teaching methods adopted to improve student learning –**

- Use of chart, models and visits to relevant Institution.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities –**

Session	No. of participants in NSS	No. of participants in NCC
2010-11	06	0
2011-12	00	0
2012-13	02	0
2013-14	05	0

- **Any Other** -visit to slum areas to conducts awareness programs.

35. **SWOC analysis of the department and Future plans -**

**Strength:**

- Well-equipped laboratory.
- Well Qualified faculty members.

**Weakness:**

- Less number of students

**Opportunities:**

- Both course B.Sc. (H.Sc.) & B.A as one optional subjects, student can go in for self-employment as well as employment in all the five fields of Home Science. It develops the skill and groom students for self-employment.

**Challenges:**

- To make the teaching learning process so effective that the students become aware of the validity of the field, college being a Women's Institution. It is necessary that the girl student become good house wives even though they may not go in for employment.

**Future Plans:**

- To conduct short term courses for students in the field of Textile and Clothing, and Food and Nutrition.



***Department of Mathematics***



# Department of Mathematics

1. **Name of the department** - Mathematics
2. **Year of Establishment** - 1981
3. **Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)** –
  - U.G. Started in 1981
  - P.G. Started in 2002
4. **Names of Interdisciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system (programme wise)** –
  - U.G. –semester system
  - P.G. –semester system
6. **Participation of the department in the courses offered by other departments** - Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** - Nil
8. **Details of courses/programmes discontinued (if any) with reasons** - Nil
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	5	5

10. **Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Ms. Snigdha Dutta	M.Phil	Asst. Prof.	Summability	34	-----
Dr. Smita Nair	Ph. D, M.Phil	Asst. Prof	Fixed Point Theory	12	-----

Dr. Shalu Saxena	Ph.D, M.Phil	Asst.Prof	Fixed Point Theory	12	-----
Mrs. Sarika Gupta	M.Sc.	Asst.Prof	Special Functions, Integral Transform, Integration Theory, Operations Research	3 months	-----
Ms.Priyanka Maran	M.Sc.	Asst.Prof	Special Functions, Integral Transform, Operations Research, Mechanics	1 month	-----

11. **List of senior visiting faculty** - Nil

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty** -

- U.G.- 40%
- P.G. – 40%

13. **Student-Teacher Ratio (programme wise)** –

U.G.	45:1
P.G.	5:1

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled** – Nil

15. **Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G.** –

Qualification	No. of Faculty
DSc	-----
D.Litt	-----
Ph.D	02
M.Phil	03
PG	02

16. **Number of faculty with ongoing projects from**

- a) **National** – Nil
- b) **International** – Nil

**Funding agencies and grants received** - Nil

17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received - Nil**

18. **Research Centre/facility recognized by the University - Nil**

19. **Publications:**

- Publication per faculty –

	Ms.Snigdha Dutta	Dr.Smita Nair	Dr.Shalu Saxena
Number of Publication	01	13	13
Number of papers published in peer reviewed journals(national/international)by faculty and students	Nil	13	13
Number of publications listed in International Database	Nil	01	01
Monographs	Nil	Nil	Nil
Chapter in Books	02(N.C.E.R.T Textbook of X)	Self Learning Material of M.P. Bhoj University	Self Learning Material of M.P. Bhoj University
Books Edited	Nil	Nil	Nil
Books with ISBN/ISS Numbers with details of publishers	Nil	Nil	Nil
Citation Index	Nil	Nil	Nil
SNIP	Nil	Nil	Nil
SJR	Nil	Nil	Nil
Impact factor	Nil	0.462(Global impact factor)	0.462(Global impact factor)
H-index	Nil	Nil	Nil

20. **Areas of consultancy and income generated - Nil**

21. **Faculty as members in**

a) **National committees**

- Ms. Snigdha Dutta
  - Member of Indian Science Congress
  - Member of Ramanujan Mathematical Society
- Dr. Smita Nair – Member of Indian Science Congress
- Dr. Shalu Saxena –Member of Indian Science Congress

- b) **International Committees:** Nil  
 c) **Editorial Boards:** Nil  
 d) **Any Other** - Ms. Snigdha Dutta is member, Board of Studies in Barkatullah University and Institute for Excellence in Higher Studies, Bhopal

22. **Student projects**

- a) **Percentage of students who have done in-house projects including inter departmental/programme – Nil**
- b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –**

Year	Class	Percentage
2013-14	Final Year – UG	100%
	Final Year – PG	100%
2012-13	Final Year – UG	100%
	Final Year – PG	100%
2011-12	Final Year – UG	100%
	Final Year – PG	100%
2010-11	Final Year – UG	100%
	Final Year – PG	100%

23. **Awards/Recognitions received by faculty and students –**

S.No	Name of the Faculty	Award/Recognition received
1	Ms. Snigdha Dutta	Hindi tar bhashi hindi sewa samman M.P. Rashtra Bhasha Samiti (2013)

S.No	Name of the Student	Award/Recognition received
1	Sheetal Patil, M.Sc.	I position in merit(2006-2007)
2	Leena Raisinghani, M.Sc.	2 <sup>nd</sup> position in merit(2006-2007)
3	Smita Pillai, M.Sc.	V position in merit (2006-2007)
4	Nadeema Zareen, M.Sc.	III position in merit (2007-2008)
5	Neelam Saini, M.Sc.	IV position in merit (2007-2008)
6	Blessy Sara Mathew, M.Sc.	VI position in merit (2008-2009)
7	PriyaPatil, M.Sc.	VI position in merit (2008-2009)
8	Ms. SapanaDadhore	III prize in National Debate competition held at Govt. Sarojini Naidu Girls P.G College Bhopal(2010-2011)
9	Ms.SapnaDadhore	I prize in Debate Competition organized by Van

		Vihar Bhopal(2011-2012)
10	Ms.SapnaDadhore	I prize in Speech Competition organized by Van Vihar Bhopal(2011-2012)
11	Ms.SapanaDadhore	Member of winner team in inter university debate competition held in MANIT (2012-2013)
12	Ms. Shruti Mishra	Member of winner team in inter university debate competition held in MANIT (2012-2013)
13	Ms.Sapana Dadhore	Got III prize in essay competition held in MANIT, Bhopal (2012-2013)
14	Ms.SapanaDadhore	I prize in Jitendra Lalwani Smriti Inter Collegiate Debate Competition(2012-213)
15	Ms. Shruti Mishra	I prize in Jitendra Lalwani Smriti Inter Collegiate Debate Competition(2012-213)
16	Ms. Shruti Mishra	III prize in debate competition organized by Van Vihar, Bhopal(2012-2013)

24. **List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1	Dr. Geeta Modi	Professor & Chairman Board of Studies(Mathematics) BarkatullahUniversity,Bhopal
2	Dr. Rajesh Shrivastava	Professor, Institute For Excellence in Higher Education, Bhopal
3	Dr. Shraddha Dubey	Professor, Institute For Excellence in Higher Education, Bhopal
4	Dr. Abha Tenguria	Professor, Govt. M.L.B Girls College, Bhopal
5	Dr. Anil Rajput	Professor, Govt. Chander Shekhar P.G. College, Sehore
6	Dr. Ramakant Dubey	Professor, TRUBA Institute of Technology, Bhopal

25. **Seminars/Conferences/Workshops organized & the source of funding**

- a) **National** - Nil
- b) **International** – Nil

## 26. Student profile programme/course wise:

UG Batch	Name of the Course/ programme	Applications received	Selected	Enrolled	Pass percentage
2013-14	B.Sc. Sem . I	79	79	72	97.22%
	B.Sc. Sem . II	71	71	71	98.59%
	B.Sc. Sem . III	80	80	76	100%
	B.Sc. Sem . IV	76	76	76	100%
	B.Sc. Sem . V	81	81	80	100%
	B.Sc. Sem . VI	80	80	80	100%
2012-13	B.Sc. Sem . I	83	83	77	100%
	B.Sc. Sem . II	75	75	75	100%
	B.Sc. Sem . III	90	90	84	100%
	B.Sc. Sem . IV	84	84	84	100%
	B.Sc. Sem . V	81	81	76	100%
	B.Sc. Sem . VI	76	76	76	100%
2011-12	B.Sc. Sem . I	91	91	85	99%
	B.Sc. Sem . II	85	85	85	100%
	B.Sc. Sem . III	82	82	77	100%
	B.Sc. Sem . IV	76	76	76	100%
	B.Sc. Sem . V	36	36	36	100%
	B.Sc. Sem . VI	36	36	36	100%
2010-11	B.Sc. Sem . I	94	94	86	100%
	B.Sc. Sem . II	82	82	81	100%
	B.Sc. Sem . III	39	39	39	100%
	B.Sc. Sem . IV	39	39	39	100%
	B.Sc. Sem . V	21	21	21	100%
	B.Sc. Sem . VI	21	21	21	100%
PG Batch	Name of the Course/ programme	Applications received	Selected	Enrolled	Pass percentage
2013-14	M.Sc.Sem I	25	25	24	100%
	M.Sc.Sem II	24	24	24	100%
	M.Sc.Sem III	11	11	11	100%
	M.Sc.Sem IV	11	11	11	100%
2012-13	M.Sc.Sem I	13	13	12	100%
	M.Sc.Sem II	12	12	12	100%
	M.Sc.Sem III	02	02	02	100%
	M.Sc.Sem IV	02	02	02	100%
2011-12	M.Sc.Sem I	02	02	02	100%
	M.Sc.Sem II	02	02	02	100%
	M.Sc.Sem III	02	02	02	100%
	M.Sc.Sem IV	02	02	02	100%
2010-11	M.Sc.Sem I	02	02	02	100%
	M.Sc.Sem II	02	02	02	100%
	M.Sc.Sem III	06	06	06	100%
	M.Sc.Sem IV	06	06	06	100%

## 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	97	03	-----
	UG II Year	100	-----	-----
	UG III Year	100	-----	-----
	PG I Year	92	08	-----
	PG II Year	72	28	-----
2012-13	UG I Year	100	-----	-----
	UG II Year	99	01	-----
	UG III Year	98	02	-----
	PG I Year	74	26	-----
	PG II Year	100	-----	-----
2011-12	UG I Year	99	01	-----
	UG II Year	98	02	-----
	UG III Year	97	03	-----
	PG I Year	100	-----	-----
	PG II Year	50	50	-----
2010-11	UG I Year	98	02	-----
	UG II Year	97	03	-----
	UG III Year	90	10	-----
	PG I Year	50	50	-----
	PG II Year	76	24	-----

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? –

S.No	Year	Name of Exam	No. of Students
1	2010-2011	Banking(P.O./Clerical)	02
		M.C.A.	05
		M.B.A	03
2	2011-2012	Defense Services	01
		M.C.A.	08
		M.B.A	05
3	2012-2013	Banking(P.O./Clerical)	04
		M.C.A.	10
		M.B.A	08
4	2013-2014	-----	-----

## 29. Student progression

Student progression	Against% enrolled 2010-2011	Against% Enrolled 2011-2012	Against% Enrolled 2012-2013	Against% Enrolled 2013-2014
UGtoPG	-----	5	19.4	28
PGtoM.Phil.	-----	-----	-----	-----
PGtoPh.D.	-----	-----	-----	-----
Ph.D.toPost-Doctoral	-----	-----	-----	-----
Employed	-----	-----	-----	-----
•Campusselection	10	14	22	-----
•Other than campus recruitment				
Entrepreneurship/Self-employment	3	5	7	

## 30. Details of Infrastructural facilities

- a) Central Library -1448 Books  
Departmental Library -206 Books  
Book Bank - 600 Books
- b) **Internet facilities for Staff & Students** - There are two computers in the department with internet facility. Staff members & students can freely access these facilities in the department as and when required.
- c) **Class rooms with ICT facility** - Nil
- d) **Laboratories (Major Instruments)/ Facilities** – Nil

## 31. Number of students receiving financial assistance from college, university, Government or other agencies –

S.No	Year	Type of the Scholarship	No. of Beneficiaries
1	2010-2011	Government	19
		Private	5
		College	20
2	2011-2012	Government	32
		Private	3
		College	15
3	2012-2013	Government	39
		Private	Nil
		College	12
4	2013-2014	Government	20 and Some are awaited
		Private	2
		College	31



32. **Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts – Nil**

33. **Teaching methods adopted to improve student learning –**

- Classroom teaching by students.
- Classroom presentations by students.
- Use of teaching aids like charts, and models.
- Use of IT facility in the department.
- Regular visit to library by the staff along with the students.
- Research oriented assignment to students.

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities –**

Session	No of students of department enrolled (NSS)	No of students of department enrolled (NCC)
2010-2011	22	11
2011-2012	33	23
2012-2013	38	32
2013-2014	27	21

The students of the department through NSS and NCC have participated in many Social Responsibility (ISR) and Extension activities such as:

- Tree plantation programs
- Blood donation camps
- Awareness programs related to various government schemes (MatdataJagruktaAbhiyan, AIDS, Adult Education, Save girl child etc.)
- Environmental and Wild Life concern issues

35. **SWOC analysis of the department and Future plans -**

**Strength:**

- Well qualified and experienced staff.
- Enriched library.
- Student teacher ratio in P.G. is very good.

**Weakness:**

- Lack of interaction with industries.
- Interaction with subject experts and students is less.
- Lack of lecture theater

**Opportunities:**

- Student can pursue P.G. in same campus.
- Demand for qualified candidates for Mathematics teaching.
- Research opportunities are many.

**Challenges:**

- Motivate the students to take up research activities.
- Remove fear of subject among students.
- Attaining more quality in teaching and research.

**Future Plans:**

- To conduct national seminars and workshops
- To undertake projects with industry
- To undertake Minor Research Projects.
- To organize programs for students so as to generate interest in the subject

**Any Other-**

Department publishes its news letter “Anant” and news letter of Quality Enhancement Cell.



*Department of Music*

# Department of Music

1. **Name of the department** -Music
2. **Year of Establishment** - UG - 1999
3. **Names of Programmes/Courses offered (UG, PG, M.Phil,Ph.D.,Integrated Masters; Integrated Ph.D., etc.)** - UG (as a subject in B.A.)
4. **Names of Interdisciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system (programme wise)** - Semester system.
6. **Participation of the department in the courses offered by other departments** – Participation in Health & Wellness Center
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** -Nil
8. **Details of courses/programmes discontinued (if any) with reasons** -Nil
9. **Number of teaching posts**-01

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	01	01

10. **Faculty profile with name, qualification, designation, specialization(D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Ms. Sangeeta Goswami	M.A (Music), (NET qualified)	Assistant Professor	Vocal Music	3years	-

11. **List of senior visiting faculty** - Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty** -

**13. Student-Teacher Ratio (programme wise) –**

<b>U.G.-2010-11</b>	08:01
2011-12	03:01
2012-13	03:01
2013-14	03:01

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled –Nil****15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

<b>Qualification</b>	<b>No. of Faculty</b>
DSc	-
D.Litt	-
Ph.D	-
M.Phil	-
PG	01

**16. Number of faculty with ongoing projects from**

- a) National – Nil
- b) International – Nil

**Funding agencies and grants received - Nil****17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received - Nil****18. Research Centre/facility recognized by the University - Nil****19. Publications:Nil**

- Publication per faculty - Nil
- Number of papers published in peer reviewed journals (national/international) by faculty and students -Nil
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.) -Nil
- Monographs -Nil
- Chapter in Books -Nil
- Books Edited -Nil
- Books with ISBN/ISS Numbers with details of publishers -Nil
- Citation Index -Nil
- SNIP -Nil
- SJR -Nil
- Impact factor –Nil
- H-index -Nil

**20. Areas of consultancy and income generated -Nil**

## 21. Faculty as members in

- a) National committees: Nil
- b) International Committees: Nil
- c) Editorial Boards: Nil

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme– Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –

Year	Class	Percentage
2013-14	Final Year – UG	Nil
2012-13	Final Year – UG	Nil
2011-12	Final Year – UG	33.33%
2010-11	Final Year – UG	15%

## 23. Awards/Recognitions received by faculty and students –

S.No	Name of the Faculty	Award/Recognition received
1.	Ms. Sangeeta Goswami	<p><u>Awards-</u></p> <ol style="list-style-type: none"> <li>1. Approved Artist with B HIGH GRADE-2012 (CLASSICAL VOCAL) by PrasarBharti (AIR &amp; DOORDARSHAN).</li> <li>2. NAYIKA AWARD (2011) by renowned Navduniya daily Newspaper.</li> <li>3. SAVITRI BAI PHULE RAJYA SEWA SAMMAN (2010).</li> <li>4. KAL KE KALAKAR (2009) by AbhinavKala Parishad Bhopal, - a renowned culture institution</li> <li>5. SILVER MEDAL and Second Prize cash awarded worth Rs.5000/- at the 14<sup>th</sup> NATIONAL YOUTH FESTIVAL, 2009 at AMRITSAR</li> <li>6. SILVER MEDAL and Second Prize cash awarded worth Rs.5000/- at the 13<sup>th</sup> NATIONAL YOUTH FESTIVAL, 2008 CHENNAI from Mr. Surjeet Singh Barnala (Governor, Tamil nadu ).</li> <li>7. M.P Government has awarded worth Rs.15000/- Cash Amount in 2008 and 2009 for winning of SILVER MEDAL got in Tamilnadu and Amritsar.</li> <li>8. Cash awarded Rs.5000/- at the 13<sup>th</sup> and 14<sup>th</sup></li> </ol>

		<p>STATE LEVEL YOUTH FESTIVAL, 2008 and 2009 at Bhopal.</p> <p>9. PRADEEP SAMMAN (2007) BY Kala Mandir, Bhopal- an Institute of reputed in the field of Literature and Culture.</p> <p>10. PRATIBHA SAMMAN (2006-07) felicitated by Hamidia College, Bhopal; the honour being conferred upon by shrishivrajSing chouhan (Chief Minister M.P).</p> <p>11. First Prize in Classical Vocal at University Level Youth Festival 2005&amp; 2006 and represented the Barkattula University and Zonal Level</p> <p><u>Music Releases</u></p> <p>1. “BHAVANI HUM HAI TERE ADHAR” audio Video-album at Jabalpur.</p> <p><u>Performances</u></p> <p>1. Sep.2014-in BhatKhandeSmaritiSamarohGovt. MadhavSangeetMahavidhyalaya at Ujjain.</p> <p>2. Sep.2014-in Pt. NandKishor Sharma Smritisamarohat BhartBhavan Bhopal</p> <p>3. Vocal recital at AHEMADABAD by joint venture of SAPTAK AND SANKALP SOCIETY-2012.</p> <p>4. AkilBhartiyaSangeetSammelan Datiya-2012</p> <p>5. 3 days YuvaSangeet,NrityaMahotsav-Suth-central zone at Dharwad(Karnataka)-2012</p> <p>6. ParticipationinASSPASS series at Bharat Bhavan Nays’, Bhopal-2011</p> <p>7. Participation in48<sup>th</sup> ARAMBH FESTIVAL 2009</p> <p>8. Classical recital and light music programs at various places In M.P.- Bhopal, Budhani, Hoshangabad, Ujjain, Chennai (Tamilnadu),</p>
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		Amritsar (Punjab), Bhuvneshwar (Odessa), Alwar (Rajasthan), Ahmadabad (Gujarat), and also in Mumbai, Nagpur, and Aurangabad (Maharashtra). 9. Several Programs and recitals have been broadcast by AKASHWANI BHOPAL.
<b>S.No</b>	<b>Name of the Student</b>	<b>Award/Recognition received</b>
1.	Ku. PoojaTiwari (B.A.) (2007-08)	Secured Xth in Merit (Barkatullah University)

24. **List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1	Dr. Neena Shrivastava	Professor in Music Department in Sarojni Naidu Girls PG College, Bhopal

25. **Seminars/Conferences/Workshops organized & the source of funding**

- a) **National** - Nil  
b) **International** - Nil

26. **Student profile programme/course wise:**

UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	B.A I Sem.	01	01	01	100%
	B.A II Sem.	01	01	01	100%
	B.A III Sem.	01	01	01	100%
	B.A IV Sem.	01	01	01	100%
	B.A V Sem.	01	01	01	100%
	B.A VI Sem.	01	01	01	100%
2012-13	B.A I Sem.	01	01	01	100%
	B.A II Sem.	01	01	01	100%
	B.A III Sem.	01	01	01	100%
	B.A IV Sem.	01	01	01	100%
	B.A V Sem.	01	01	01	100%
	B.A VI Sem.	01	01	01	100%



2011-12	B.A I Sem.	01	01	01	100%
	B.A II Sem.	01	01	01	100%
	B.A III Sem.	-	-	-	-
	B.A IV Sem.	-	-	-	-
	B.A V Sem.	02	02	02	100%
	B.A VI Sem.	02	02	02	100%
2010-11	B.A I Sem.	-	-	-	-
	B.A II Sem.	-	-	-	-
	B.A III Sem.	02	02	02	100%
	B.A IV Sem.	01	01	01	100%
	B.A V Sem.	06	06	06	100%
	B.A VI Sem.	06	06	06	100%

### 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	100%	-	-
	UG II Year	100%	-	-
	UG III Year	100%	-	-
2012-13	UG I Year	100%	-	-
	UG II Year	100%	-	-
	UG III Year	100%	-	-
2011-12	UG I Year	100%	-	-
	UG II Year	100%	-	-
	UG III Year	100%	-	-
2010-11	UG I Year	100%	-	-
	UG II Year	100%	-	-
	UG III Year	100%	-	-

### 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

-Nil

### 29. Student progression

Student progression	Against % enrolled
UG to PG	-
PG to M.Phil.	
PG to Ph.D.	
Ph.D.to Post-Doctoral	

Employed	
•Campus selection	-
•Other than campus recruitment	-
Entrepreneurship/Self-employment	-

30. **Details of Infrastructural facilities**

- a) Library - Books in Central Library-327  
Departmental Library –21
- b) **Internet facilities for Staff & Students** -Nil
- c) **Class rooms with ICT facility** - Nil
- d) **Laboratories(Major Instruments)/ Facilities–Musical Instrument**
  - Harmonium
  - Tanpura(Manual)
  - Electronic Tanpura
  - Tabala
  - Electronic Tabala
  - Dholak
  - Manjeera
  - Khanjari
  - Music System

31. **Number of students receiving financial assistance from college, university, Government or other agencies –**

S.No	Year	Type of the Scholarship	No. of Beneficiaries
1.	2013-14	SC/ST/OBC	01
2.	2012-13	Sister Concession/ Freeship	01

32. **Details on student enrichment programmes(special lectures/ workshops/ seminar) with external experts** - Special Class

33. **Teaching methods adopted to improve student learning –**

- Lecture
- Practical
- Stage Performance with Musical Instrument

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities –**

Session	No. of participants in NSS	No. of participants in NCC
2010-11	03	02
2011-12	01	-
2012-13	01	-
2013-14	01	01

- **Any Other** –Participation in Different Cultural Activity in college and outside at University and State level.

35. **SWOC analysis of the department and Future plans -**

**Strength:**

- Experienced & Qualified Faculty.
- Good collection of the subject book in main library and Departmental Library.
- Availability of Musical Instrument

**Weakness:**

- Less No. of Student.
- No Separate class for practices.
- Lack of new Musical Instrument.

**Opportunities:**

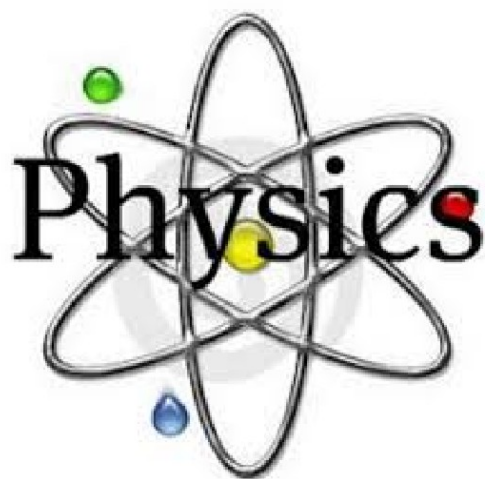
- Abundance of Reality shows on Television and also in city cannot motivate students to take-up music as subject in the college.
- Cultural Activity, Youth Festival programs, Event management companies etc., make this subject relevant for the future also.
- Akashwani, Doordarshan seek trained musicians.

**Challenges:**

- To create interest in subject, so that no. of students can be increased.
- To hold regular classes to coach students for competitive exams like NET, SLET & PSC and other examination.
- To organize seminars and workshops for the students.

**Future Plans:**

- To get some new musical instrument.
- To open PG class in Music.
- To organize workshop for Student.
- To open new classes for students of other faculties.



*Department of Physics*

# Department of Physics

1. **Name of the department** - Department of Physics
2. **Year of Establishment** - 1981
3. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** –

UG Programme	Level of study	Cut-off marks at entry level in %	Student strength
B.Sc.	UG Sem I	According to University rules all students declared Pass in class 12 <sup>th</sup> are eligible	80
	Sem II		
	Sem III		68
	Sem IV		
	Sem V		79
	Sem VI		

4. **Names of Interdisciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system (programme wise)** - Semester
6. **Participation of the department in the courses offered by other departments** –  
Teaching Mathematical Physics of M.Sc Chemistry in department of Chemistry
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**- Nil
8. **Details of courses/ programmes discontinued(if any)with reasons** - Nil
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	2	2

**10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr. Jyotsna Galgale	Ph.D, M.Phil.	Sr. Asstt.Prof. (HOD)	Solid State Physics	31	-
Dr. Archana Srivastava	Ph.D, M.Phil.	(Sr. Asstt.Prof.)	Material Science	26	-

**11. List of senior visiting faculty – Nil**

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty- Nil**

**13. Student-Teacher Ratio(programme wise)–**

U.G.	121:1
------	-------

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled–**

	Sanctioned	Filled
Technical Staff	1	1
Administrative Staff	-	-

**15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G.–**

Qualification	No. of Faculty
DSc	-
D.Litt	-
Ph.D	2
M.Phil	2
PG	-

**16. Number of faculty with ongoing projects from :**

1 (Minor research project sanctioned by UGC-CRO)

<b>Number of faculty</b>	<b>Name of faculty</b>	<b>Name of Project</b>	<b>National/ International funding Agency</b>	<b>Grant received</b>
1	Dr. Archana Srivastava	Specific Heat and Thermal Expansion of Multi ferroic CMR Manganites	UGC-CRO	Rs1, 80,000

**17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received - Nil**

**18. Research Centre/facility recognized by the University - None**

**19. Publications :**

<b>Publications</b>	<b>Dr. Jyotsna Galgale</b>	<b>Dr. Archana Srivastava</b>
Publication per faculty	18	45
Number of papers published in peer reviewed journals (national/international) by faculty and students	6	38
Number of publications listed in International Database (For Eg: Web of Science, Scopus, etc.)	2	26
Monographs	-	-
Chapter in Books	-	01
Books Edited	-	-
Publication with ISBN/ISSN	-	38
Citation Index(h-index i10 value)	-	4
Publication with SNIP	-	25
Publication with SJR	-	25
Publication with Impact factor and range of Impact factor	02	08 (0.354-7.17)
Publication with H-index and range of H-index	02	04 (31-132)

## Publications of Dr. Archana Srivastava

S. No	Title	Journal and citation	Year	ISSN/ISBN No.	Impact factor/ H - Index	Any other rating e.g. SNIP/SJR etc.
1.	<i>Physical Properties of Perovskite Rare Earth Manganites <math>REMnO_3</math></i>	Highbrow, vol.1, pg. 9	2014	ISSN : 2350-1154		
2	Thermal properties of Ni-substituted $LaCoO_3$ perovskite	AIP Conf. Proc. Vol.1591, pg.1581	2014	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162 (2013)
3.	<i>Bulk modulus and specific heat of B-site doped (<math>La_{0.3}Pr_{0.7}</math>)<math>_{0.65}Ca_{0.35}Mn_{1-x}B_xO_3</math> (B=Fe, Cr, Ru, Al, Ga)</i>	AIP Conf. Proc. vol.1591, pg1356	2014	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162 (2013)
4.	<i>Effect of Sodium Doping on Thermal Properties of Perovskite <math>RMnO_3</math> for Potential Magnetoelectric Application</i>	<i>Advances in Physics Theory and Applications</i> vol. 19, pg. 11-14	2013	ISSN (Paper)2224-719X ISSN (Online)2225-0638	The IC Impact factor value is 7.17	
5.	<i>Thermal expansion and Specific heat of <math>Pr_{0.8}Na_{0.2}MnO_3</math> and <math>Tb_{0.85}Na_{0.15}MnO_3</math> Perovskite Manganites</i>	AIP Conf. Proc. Vol. 1536, pg. 915	2013	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162 (2013)
6.	<i>Specific heat of Charge Ordered Rare Earth <math>Sm_{0.5}Ca_{0.5}MnO_3</math> Perovskite Manganites</i>	AIP Conf. Proc. Vol.1536, pg. 913	2013	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162 (2013)
7.	<i>Specific Heat of Rare Earth Cobaltates <math>RCO_3</math> (R=La, Pr, Nd)</i>	<i>J. Alloys Comp.</i> 516, 58-64	2012	Publisher- Elsevier, Holland, ISSN: 0925-8388	2.390(2012)	SNIP-1.657, IPP-2.609 SJR-1.181
8.	<i>Specific heat of <math>Pr_{0.5}A_{0.5}CoO_3</math> (A=Ca and Sr)</i>	AIP Conf. Proc.1512, 1184	2013	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162
9.	<i>Thermal Expansion and Specific Heat of Solid Oxide Fuel Cell Material <math>Bi_1</math></i>	<i>Key Engineering Materials</i>	2013	ISSN: 10139826 Publisher: Tr	H Index: 31,	SNIP-0.305 SJR



	$x\text{Sr}_x\text{MnO}_3$ in Orthorhombic Perovskite Phase	547, 91-94		ans Tech Publications, UK		0.194 IPP-0.189 (2013)
10	Thermal properties of a novel compound $\text{PbVO}_3$	<i>J. Phys.: Conf. Ser.</i> 377, 012059	2012	Institute of Physics, United Kingdom		SNIP-0.188 IPP-0.232 SJR-0.191
11	Specific Heat and Thermal Expansion of Magnetocaloric Perovskite- $\text{La}_{1-x}\text{Ag}_x\text{MnO}_3$	<i>AIP Conf. Proc.</i> 1447, 1251-52	2012	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162 (2013)
12	Low Temperature Specific Heat of Perovskite $\text{LaCoO}_3$	<i>AIP Conf. Proc.</i> 1447, 989-990	2012	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162 (2013)
13	Effect of Temperature on Thermodynamic properties of $\text{PrGaO}_3$	<i>AIP Conf. Proc.</i> 1393, 291	2011	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162
14	The Thermal Expansion and Specific Heat of Novel SOFC $\text{Bi}_{1-x}\text{Sr}_x\text{MnO}_3$ in Orthorhombic Perovskite Phase.	<i>AIP Conf. Proc.</i> 1393, 247	2011	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162 (2013)
15	The Thermal Expansion of Solid Oxide Fuel Cell (SOFC) Cathode Material- $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$ .	<i>AIP Conf. Proc.</i> 1349, 1269-1270	2011	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162 (2013)
16	Specific Heat of Rare Earth Orthogallate $\text{NdGaO}_3$	<i>AIP Conf. Proc.</i> 1349, 975-976	2011	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162
17.	Effect of Cation Radius on Heat capacity of $\text{AeO}_3$ ( $\text{A}=\text{Mg}, \text{Ca}$ ) Perovskites	<i>AIP Conf. Proc.</i> 1349, 973-974	2011	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162
18.	The Effect of A-site Cation Variance on the Thermal and Elastic Properties of Half Doped Perovskite Manganites	<i>AIP Conf. Proc.</i> 1249, 133-136	2010	ISSN 1551-7616 , ISBN: 978-0-7354-1225-5		SNIP-0.150 IPP-0.145 SJR-0.162

						(2013)
19.	<i>Investigations on Thermal properties of <math>AsiO_3</math> (A=Mg, Ca)</i>	<i>Integrated Ferroelectrics</i> , 121, 129-138	2010	Taylor and Francis, United Kingdom, ISBN: 10584587	H Index: 31	SNIP-0.299 IPP-0.374 SJR-0.235
20.	<i>Elastic and Thermal Properties of <math>La_{1-x}Sr_xMnO_3</math> Manganites</i>	<i>J. Phys.: Conf. Series</i> 215, 012140	2010	Institute of Physics, United Kingdom, (No. 16565)	-	SNIP-0.188 IPP-0.232 SJR-0.191 (2013)
21.	<i>Thermal Properties of <math>Nd_{0.5}Sm_{0.5}GaO_3</math> at 1200K</i>	<i>Proc. of DAE-BRNS 3<sup>rd</sup> Symposium on Material Chemistry, India.,</i> pg.558	2010	ISBN No. 81-88513-40-7	BARC, DST, Gov. of India	-
22.	<i>The Specific Heat of Half Doped Perovskite Manganite; <math>Pr_{0.5}Sr_{0.5}MnO_3</math></i>	<i>Proc. of DAE-BRNS 3<sup>rd</sup> International Symposium on Material Chemistry, India.,</i> INIS vol.42, Issue 15, pg.387	2010	ISBN No. 81-88513-40-7	BARC, DAE-BRNS, Govt. of India	-
23.	<i>Thermodynamic and Elastic Properties of Orthorhombic Rare Earth Manganite <math>REMnO_3</math></i>	<i>Proc. of DAE SSP Symposium, India.</i> 54, 887	2009	ISBN No. 978-81-8372-054-0	BARC, DAE, Govt. of India	
24.	<i>Thermal Properties of Electron-doped <math>Ca_{1-x}Ln_xMnO_3</math> (Ln=La, Bi)</i>	<i>Proc. of DAE SSP Symposium, India,</i> 54, 1113	2009	ISBN No. 978-81-8372-054-0	BARC, DAE, Govt. of India	
25.	<i>Second Order Elastic Constants of <math>(NH_4)_x(KI)_{1-x}</math> Mixed Crystals</i>	<i>Proc. of DAE SSP Symposium, India.,</i> 54, 741	2009	ISBN No. 978-81-8372-054-0	BARC, DAE, Govt. of India	
26.	<i>Bulk Modulus and Thermodynamic Properties</i>	<i>J Magn. Magn.</i>	2009	Publisher- Elsevier,	Impact Factor	SNIP(2013)-

	<i>of Electron-Doped Calcium Manganate- <math>Ca_{1-x}RE_xMnO_3</math></i>	<i>Mater.</i> 321, 3854		NORTH-HOLLAND; ISSN: 0304-8853	(2013) - 2.002	1.568, SJR- 0.938, Article Influence - 0.49
27.	<i>The role of lattice distortions in determining the thermal properties of electron doped <math>CaMnO_3</math></i>	<i>J. Phys.: Condensed Matter</i> 21, 096001	2009	Institute of Physics, United Kingdom; Print ISSN: 0953-8984, Online ISSN: 1361-648X	Impact Factor= 2.355 H-Index- 132	SNIP- 0.604 SJR- 0.625, H-Index- 132
28.	<i>Effect of Heavy Doping on Thermal Properties of <math>LaMnO_3</math></i>	<i>Indian J. Phys.</i> 83(4), 437	2009	Springer ISSN: 0973-1458 (print version), ISSN: 0974-9845	Impact Factor (2012) - 1.785	SNIP- 0.918 SJR 0.322 IPP- 1.593 (2013)
29.	<i>Elastic moduli and thermal properties of <math>La_{0.83}Sr_{0.17}MnO_3</math></i>	<i>Solid State Commun</i> 145, 308	2008	Publisher- Elsevier, United Kingdom; ISSN: 0038-1098,	Impact Factor (2012) - 1.534 H-Index-88	SNIP(2013)- 0.934, SJR(2013) - 0.874 IPP- 1.542, Article Influence 0.755
30.	<i>Phonon Induced Thermodynamic Properties of Manganites</i>	<i>Proc. of DAE SSP Symposium</i> , India, 53,,33	2008	ISBN 978-81-8372-044-1	BARC, DAE, Govt. of India	-
31.	<i>Low Temperature Specific heat of <math>La_{1-x}Sr_xMnO_3</math> Manganites</i>	<i>Proc. of American Institute of Physics: Conf. Series</i> , 1004, 334	2008	ISBN No. 81-88513-40-7		SNIP- 0.150 IPP-0.145 SJR- 0.162 (2013)
32.	<i>Effect of Cation Doping on Low Temperature Specific Heat of <math>LaMnO_3</math> Manganite</i>	<i>J. Magn. Magn. Mater.</i> 320, 2596	2008	Publisher- Elsevier, North-Holland; ISSN: 0304-8853	Impact Factor (2012) - 1.826	SNIP(2013)-1.568, SJR(2013) - 0.938, Article Influence - 0.49
33.	<i>Low Temperature Properties of <math>La_{2/3}Ba_{1/3}MnO_3</math> Perovskite</i>	<i>J. Pure Appl. Phys.</i> , 46,	2008	ISSN:0975-1041 (Online);	Impact Factor (2012) -	SNIP- 0.729 SJR

	<i>Manganite</i>	451-453		0019-5596 (Print)	0.854	0.359 IPP- 0.353 (2013)
34	<i>Investigation of Lattice distortion in Determining the Thermal Properties of Electron Doped CaMnO<sub>3</sub>.</i>	<i>Proc. Of 2<sup>nd</sup> DAE BRNS International Symposium on Material Chemistry</i>	2008	ISBN-81-88513-26-1	BARC, DAE, Govt. of India	
35	<i>Effect of Pb Doping on Thermodynamic Properties of LaMnO<sub>3</sub> and NdMnO<sub>3</sub></i>	<i>Proc. of DAE SSP Symposium, India, 52, 733</i>	2007	ISBN 81-8372-035-8	BARC, DAE, Govt. of India	
36	<i>Elastic properties of Magneto resistive La<sub>0.83</sub>Sr<sub>0.17</sub>MnO<sub>3</sub></i>	<i>Proc. of DAE SSP Symposium, India, 52, 1041</i>	2007	ISBN-81-8372-035-8	BARC, DAE, Govt. of India	
37	<i>Thermodynamic Investigation of La<sub>0.65</sub>Ca<sub>0.35</sub>MnO<sub>3</sub> at very low temperature</i>	<i>Proc. of DAE SSP Symposium, India, 51, 753</i>	2006	ISBN-81-8372-030-7	BARC, DAE, Govt. of India	
38	<i>Thermal and Elastic Properties of Orthorhombic Rare Earth Manganites ReMnO<sub>3</sub> (Re=La, Pr, Nd, Sm, Eu, Gd, Tb, Dy)</i>	<i>Asian Journal of Experimental Sciences, 23 (2), 97</i>	2009	ISSN: 0971-5444		

## Publications of Dr. Jyotsna Galgale

S. No.	Title	Citation	year	ISSN No.	Impact Factor
1	Static and Dynamic Properties of (KCN) <sub>x</sub> (Cl) <sub>1-x</sub> .	PRAMANA-J. of Phy. Vol.63, No 2 pp.413-417.	2004	03044289	-
2	Phonon Dispersion Curves of CsCN	PRAMANA-J. of Phy. Vol 63 No. 2 pp. 419-423	2004	03044289	-
3	Thermodynamic and Elastic Properties of Orthorhombic Rare Earth Manganite REMnO <sub>3</sub>	Proc. of DAE SSP Symposium, India.54, 887	2009	ISBN: 978-81-8372-054-0 9	-
4	The Specific Heat of Half Doped Perovskite Manganite; Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub>	Proc. of DAE BRNS 3 <sup>rd</sup> Symposium on Material Chemistry, India, pg.387	2010	ISBN No. 81-88513-40-7	-

20. **Areas of consultancy and income generated** - Free consultancy given in the research field of material Science and Solid State.
21. **Faculty as members in**
- National committees** - Nil
  - International Committees** - Nil
  - Editorial Boards** - Dr. Archana Srivastava is
    - Associate Editor of college Research Journal “Highbrow”.
    - Guest Editor, Special Issue for Advances in Condensed Matter Physics, Hindawi Publishing Corporation
    - Member, Editorial board, Materials Sciences and Applications
 Any other  
 Dr. Jyotsna Galgale -Member Board of Studies, Physics, Barkatullah University (2009-2014)  
 Dr. Archana Srivastava is
    - Referee to publication of Department of Atomic Energy, Bhabha Atomic Research Center during their annual Conference DAE-SSPS.
    - Referee of many International Journals published from Europe, United Kingdom and USA like Journal of Alloys and Compounds, Phase Transitions, Solid State Communications etc.
22. **Student projects**
- Percentage of students who had one in-house projects including inter departmental /programme – Nil**
  - Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies–**

Year	Class	Percentage
2013-14	Final Year – UG	32.5%
2012-13	Final Year –UG	22.36%
2011-12	Final Year –UG	35.13%
	Second Year – UG	22.78%
2010-11	Final Year –UG	33.33%
	Second Year – UG	33.33%
	First Year– UG	24.41%

23. **Awards/Recognitions received by faculty and students –**

S.No	Name of the Faculty	Award/Recognition received
1	Dr. Archana Srivastava	<ul style="list-style-type: none"> <li>Best Research Paper Award in DAE Solid State Physics Symposium by Bhabha Atomic Research Centre, Trombay in Dec.'2011</li> <li>Teacher Samaan on the occasion of Teachers Day by International Rotary Club, Bhopal</li> </ul>

24. **List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1	Dr. Pragyesh Agarwal	Prof., Department of Physics, S.N P.G Girls College, Bhopal
2	Dr. Vilas Shelke	Senior Scientific officer, Department of Physics, Barkatullah University, Bhopal
3	Dr. Sadhana Singh	Reader, Department of Physics, Barkatullah University, Bhopal
4	Dr. Alpana Tiwari	Asst. Prof., Department of Physics, MLB Girls College, Bhopal
5	Dr. Shovit Bhattacharya	Scientist, Bhabha Atomic Research Centre, Trombay
6	Dr. N.K Gaur	Prof., Department of Physics, Barkatullah University, Bhopal
7	Dr. Kiran Kumar	Scientist, Inter University Consortium, Indore
8	Dr. Shalini Pradhan	Prof., Department of Physics, Motilal Vigyan Mahavidhyalaya, Bhopal
9	Dr. Alok Rastogi	Prof. and HOD, Department of Physics and Electronic, Institute for Excellence in Higher Education, Bhopal
10	Dr. Sunil Mishra	Prof., Department of Physics, Institute for Excellence in Higher Education, Bhopal

25. **Seminars/Conferences/Workshops organized & the source of funding -**

Nil

- a) National-
- b) International -

26. **Student profile programme /coursewise :**

UG Batch	Name of the Course/ programme(refer question no. 3)	Applications received	Selected	Enrolled in Exam	Pass percentage
2013-14	B.Sc. I	78	78	72	98.6
	B.Sc. II	72	72	71	100
	B.Sc. III	81	81	77	100
	B.Sc. IV	77	77	77	100
	B.Sc. V	82	82	80	100
	B.Sc. VI	82	82	80	100

2012-13	B.Sc. I	83	83	77	100
	B.Sc. II	75	75	75	100
	B.Sc. III	89	89	84	100
	B.Sc. IV	84	84	84	100
	B.Sc.V	81	81	76	100
	B.Sc. VI	76	76	76	100
2011-12	B.Sc. I	91	91	85	99
	B.Sc. II	85	85	85	100
	B.Sc. III	82	82	77	100
	B.Sc. IV	76	76	76	100
	B.Sc.V	36	36	36	100
	B.Sc. VI	36	36	36	100
2010-11	B.Sc. I	94	94	86	100
	B.Sc. II	86	86	81	100
	B.Sc. III	39	39	39	100
	B.Sc. IV	39	39	39	100
	B.Sc.V	21	21	21	100
	B.Sc. VI	21	21	21	100

#### 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	97	03	Nil
	UG II Year	100	Nil	Nil
	UG III Year	99	01	Nil
	PG I Year	-	-	-
	PG II Year	-	-	-
2012-13	UG I Year	100	Nil	Nil
	UG II Year	99	01	Nil
	UG III Year	98	02	Nil
	PG I Year	-	-	-
	PG II Year	-	-	-
2011-12	UG I Year	99	01	Nil
	UG II Year	98	02	Nil
	UG III Year	97	03	Nil
	PG I Year	-	-	-
	PG II Year	-	-	-
2010-11	UG I Year	98	02	Nil
	UG II Year	97	03	Nil
	UG III Year	90	10	Nil
	PG I Year	-	-	-
	PG II Year	-	-	-

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?– Nil**

S.No	Year	Name of Exam	No. of Students
1	2010-11	Banking, MCA, MBA, e-governance etc.	6
2	2011-12	Banking, MCA, MBA, State Level Exam(Forest Department) etc.	4
3	2012-13	Banking, MCA, MBA, etc.	3
4.	2013-14	-	-

29. **Student progression**

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	05
• Campus selection	40
• Other than campus recruitment	
Entrepreneurship/Self-employment	20

30. **Details of Infra structural facilities**

- Library** – Central Library has 1066 reference and text books. Departmental library having 72 reference books and approximately 500 books received in donation from teachers and alumni of the department.
- Internet facilities for Staff & Students** - Yes, two computers with Internet facility available in the department for Staff and students.
- Class rooms with ICT facility** - Nil
- Laboratories (Major Instruments)/ Facilities** – One UG Laboratory.



31. Number of students receiving financial assistance from college, university, Government or other agencies–

S.No	Year	Type of the Scholarship	No. of Beneficiaries
1	2010-2011	Government	19
		Private	5
		College	20
2	2011-2012	Government	32
		Private	3
		College	15
3	2012-2013	Government	39
		Private	Nil
		College	12
4	2013-2014	Government	24 and some are awaited
		Private	2
		College	31

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts –

S.No	Name of external expert	Designation & affiliation	Topic of lecture
1	Dr. Pragyesh Agarwal	Prof. Department of Physics S.N P.G Girls College, Bhopal	Journey of Physics

33. Teaching methods adopted to improve student learning–

- Presentation by Overhead Projector.
- LCD Projector.
- Model Making.
- Experiments based on Everyday Physics.
- Power point presentation by students

34. Participation in Institutional Social Responsibility (ISR) and Extension activities–

Session	No. of participants in NSS	No. of participants in NCC
2010-11	22	11
2011-12	33	23
2012-13	37	32
2013-14	27	21

35. SWOC analysis of the department and Future plans -

**Strength:**

- All the faculty members are well qualified and experienced. They are expert in teaching and handling experiments.

- Well equipped experimental labs.
- Teachers publish research papers in national/international journals regularly.
- Physics department is a “Target Oriented” department i.e. completes all the tasks in a fixed time period.
- The new experiments are designed in the Laboratory as per the need of the student.
- Students are encouraged to make models and present new upcoming topic by power point presentation.

**Weakness:**

- Less space for laboratory.
- Less Staff.
- Students enrolling for the Basic sciences are with weak academic background.

**Opportunities:**

- Research facilities for the benefit of those students who register themselves for Ph.D. in Physics.
- Alumni of the department are working at good positions in higher education institutions, placed in research labs which can contribute to the Department with their expertise.
- The Department of Physics at Barkatullah University is a leading research Center of Solid State Physics. College can develop strong linkages with the department for job oriented project of undergraduate students.

**Challenges:**

- Theory and practical aspects should be correlated and should be job oriented.

**Future Plans:**

- Establish experimental research laboratory
- Purchase licensed software for research purpose.
- Arranging guest lectures by inviting subject experts.
- To open new courses like PG in Physics and UG Electronics.
- Teachers are planning for more major research projects from different agencies.
- Applying for Level 0 of DST-FIST project, so that a strong research centre may be set up in the College.
- B.Sc. students will be given small projects to inculcate scientific research temperament among them.
- Department will be exploring more collaborations with International and National Institutions to promote research

**Any Other –**

Students of the department publish there quarterly newsletter “Spandan”



*Department of Political  
Science*

# Department of Political Science

1. **Name of the department** - Political Science
2. **Year of Establishment** - 1975
3. **Names of Programs/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) -**  
 U.G. started in 1975  
 P.G. started in 1999
4. **Names of Interdisciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system (program wise)** - Semester system
6. **Participation of the department in the courses offered by other departments –**  
 Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc. –** Nil
8. **Details of courses/programs discontinued (if any) with reasons** - Nil

## 9. Number of teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	2	2

## 10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D. /M.Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr.Sudha Pathak	Ph.D/ M.Phil	Asst.Professor (Retired in 2014)	-	39	Nil
Dr.Shriji Seth	Ph.D./NET	Asst.Professor	-	15	Nil
Dr.Harsha Chaturvedi	Ph.D./NET	Asst.Professor	Human Right and Woman Right	03	Nil

**11. List of senior visiting faculty –**

- Dr.G.V.Pathak-Rtd.Professor of Political Science in Institute Of Higher Learning of Excellence. Bhopal
- Dr.Sona Shukla- Professor of Political Science in Govt. Hamidia P.G. College .Bhopal.
- Dr.Varsha Sagorkar- Asst. Professor of Political Science in Govt. Geetanjali Girls College, Bhopal.

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty – 20%

**13. Student-Teacher Ratio (program wise) –**

U.G.	13:1
P.G.	5:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled – Nil**

**15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

Qualification	No. of Faculty
DSc	Nil
D.Litt	Nil
Ph.D	03
M.Phil	01
PG	00
NET	02

**16. Number of faculty with ongoing projects from**

Agencies	No. of Project	Funding agencies	Grant Received
a) National	One Minor Research Project	U.GC,CRO.Bhopal	80,000 /- received Sanctioned 1,10,000/-
b) International –	Nil	-	-

**17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received –**

Received One Minor Project Grants given by UGC.CRO, Bhopal .Total grant received 80,000 /-, Sanctioned 1, 10,000/-

**18. Research Centre/facility recognized by the University –**  
Nil

**19. Publications:**

- Publication per faculty –

	Dr.Shriji Seth
No. of publications	9
No. of papers published in peer reviewed journals	2
No. of publications listed in International Database	-
Monographs	-
Chapter in Books	1-. "Dilemma of tradition and modernity-The Indian society 2."Political Socialization
Books Edited	-
Books with ISBN/ISS Numbers with details of publishers	-
Citation Index	-
SNIP	-
SJR	-
Impact factor	2.089
H-index	-

**20. Areas of consultancy and income generated –Nil****21. Faculty as members in:-**

- a) **National committees**-Nil
- b) **International Committees**:-Nil
- c) **Editorial Boards**:- Dr.Shriji Seth (Hon. Member),The Global Association OF Social Sciences, International Journal of Social Science and Humanities.

**22. Student projects**

- a) **Percentage of students who have done in-house projects including inter departmental/program – Nil**
- b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –**

Year	Class	Percentage
2013-14	Final Year – UG	100%
	Final Year – PG	100%
2012-13	Final Year – UG	100%
	Final Year – PG	100%
2011-12	Final Year – UG	100%
	Final Year – PG	100%
2010-11	Final Year – UG	100%
	Final Year – PG	100%

**23. Awards/Recognitions received by faculty and students –**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Award/Recognition received</b>	<b>Position</b>
1.	Dr. Shriji Seth	Govt. of Madhya Pradesh, Higher Education, Department, Year 2006	The State Level, Best N.S.S. Officer Award,
2.	Dr. Shriji Seth	Debate Competition Sponsored By M.P. Forest Department And Organized By World Wild Fund, 2005, 2006, 2007.	Won Cont. three years I, II,III position
3.	Dr. Shriji Seth	Represented India in "South Asian Peace Youth camp" at Noakhali, Bangladesh, 19th-25th Dec'2010.	As A Youth Delegates
4.	Dr. Shriji Seth	Represented India in "South Asian Peace Youth camp 2011" held in Negombo, Sri Lanka, 19th -24 <sup>th</sup> Dec'2011	As A Youth Delegates, Performing Culture programme
5.	Dr. Shriji Seth	Represented the State of M.P. in "Adventure Camp at Roing", Arunachal Pradesh 16 March to 25 March 2013	M.P.Contigent leader
6.	Dr. Shriji Seth	Participated in the Republic Day Camp Parade in New Delhi During training from 1 <sup>st</sup> Jan' to 31 <sup>st</sup> Jan'2009.	As the only leader officer of N.SS.representing the state of MP. CG.
7.	Dr.Harsha Chaturvedi	Debate Competition Sponsored By M.P. Forest Department And Organized By World Wild Fund,2013	II position
<b>S.No</b>	<b>Name of the Student</b>	<b>Award/Recognition received</b>	<b>Position</b>
1	Ms.Pooja Singh	Higher Education Department of Madhya Pradesh 2012-2013	Best NSS. Volunteer
2.	Ms. Pammy	Worked in slum area and got prize 2013	Best NSS. Volunteer
3.	Ms.Swati Bhadoria	Represent M.P. In Pre- R.D. Camp, 2013.	Parade contingent, The Best Player, Played All India Women Football Competition, Best NSS Camper

4.	Ms.Saraoj Kaithal	Participated In North East Youth Festival, Itanagar Arunachal Pradesh,2013	Participation as culture volunteer
5.	Ms.Saraoj Kaithal	Participated In National Adventure camp, Roing,Arunachal Pradesh,2013	Participation as volunteer
6.	Ms.Saraoj Kaithal	Participated In different level camps	Best NSS Volunteer
7.	Ms. Raksha Yadav	Meritorious student in Barkatullah University.2012-13	IV Position
8.	Ms.Swati Rai	Worked in slum area and got prize 2012-13	Best NSS Camper
9.	Ms. Swati Bhadoria	Participated In National Adventure camp,Shilma, H.P.,2012	Participation as volunteer
10.	Ms.Mamta Paswan	College Level Undergraduate Award2011-12	Gold Medal, Best Sports Woman
11.	Ms. Shireen comfort	College Level Undergraduate Award2011-12	Gold Medal, Best NCC. Cadet
12.	Ms Devi Sri Soni	College Level Undergraduate Award2012-13	Gold Medal
13.	Ms Devi Sri Soni	Represent M.P. In Pre- R.D. Camp, 2011-12.	Participation as culture volunteer,
14.	Ms. Pooja Rathore	Participated In Mega camp, New Delhi,2011	Participated as volunteer
15.	Ms. Pooja Rathore	Participated in NIC, punjab,2011	Participation as culture volunteer, Best as volunteer
16.	Ms.Pooja Singh	Participated in NIC, Triupathi,2011	Participant as volunteer, Best NSS Camper
17.	Ms. Disha Narula	Meritorious student in P.G. Level, Barkatullah University.2010-11	I Position
18.	Ms. Lovey Dhanwani	Meritorious student in P.G. Level,Barkatullah University.2010-11	II Position



**24. List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1	Dr.G.V.Pathak	Ret. Professor Of Political Science,Institute Of Higher Learning Of Excellence, Bhopal
2	Dr.R.B.Sharma	Ret. Principal Of State Law College,Bhopal
3	Dr.Sona Shukla	Professor, Govt. Hamidia P.G. College, Bhopal.
4.	Dr.Varsha Sagorkar-	Asst. Professor of Political Science in Govt. Geetanjali Girls College, Bhopal
5.	Shri L.C. Motwani-	Director, Pandit Kunji Lal Dubey Sansadiya Vidhya Peeth,Bhopal

**25. Seminars/Conferences/Workshops organized & the source of funding**

- a) **National** - Nil
- b) **International** - Nil

**26. Student profile program/course wise:**

UG Batch	Name of the Course/ program(refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	B.A. I Sem.	10	10	10	100%
	B.A. II Sem.	9	9	9	100%
	B.A. III Sem.	9	9	9	100%
	B.A. IV Sem.	9	9	9	100%
	B.A. V Sem.	19	19	19	100%
	B.A.VI Sem.	19	18	18	100%
2012-13	B.A. I Sem.	10	10	10	100%
	B.A. II Sem.	9	9	9	100%
	B.A. III Sem.	23	19	19	100%
	B.A. IV Sem.	19	19	19	100%
	B.A. V Sem.	18	18	18	100%
	B.A.VI Sem.	18	17	17	100%
2011-12	B.A. I Sem.	26	25	25	100%
	B.A. II Sem.	25	23	23	100%
	B.A. III Sem.	19	18	18	100%
	B.A. IV Sem.	18	18	18	100%
	B.A. V Sem.	14	14	14	100%
	B.A.VI Sem.	14	14	14	100%
2010-11	B.A. I Sem.	19	19	19	100%
	B.A. II Sem.	19	18	18	100%
	B.A. III Sem.	16	16	16	100%
	B.A. IV Sem.	16	14	14	100%
	B.A. V Sem.	18	17	17	100%
	B.A.VI Sem.	18	18	18	100%

PG Batch	Name of the Course/ program(refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	M.A. I Sem	3	3	3	100%
	M.A. II Sem	3	3	3	100%
	M.A. III Sem	5	5	5	100%
	M.A. IV Sem	5	5	5	100%
2012-13	M.A. I Sem	5	5	5	100%
	M.A. II Sem	5	5	5	100%
	M.A. III Sem	9	9	9	100%
	M.A. IV Sem	9	9	9	100%
2011-12	M.A. I Sem	9	9	9	100%
	M.A. II Sem	9	9	9	100%
	M.A. III Sem	5	5	5	100%
	M.A. IV Sem	5	5	5	100%
2010-11	M.A. I Sem	5	5	5	100%
	M.A. II Sem	5	5	5	100%
	M.A. III Sem	5	5	5	100%
	M.A. IV Sem	5	5	5	100%

## 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	100%	-	-
	UG II Year	90%	10%	-
	UG III Year	100%	-	-
	PG I Year	100%	-	-
	PG II Year	100%	-	-
2012-13	UG I Year	90%	10%	-
	UG II Year	100%	-	-
	UG III Year	90%	10%	-
	PG I Year	100%	-	-
	PG II Year	80%	20%	-
2011-12	UG I Year	100%	-	-
	UG II Year	90%	10%	-
	UG III Year	100%	-	-
	PG I Year	80%	20%	-
	PG II Year	100%	-	-
2010-11	UG I Year	90%	10%	-
	UG II Year	100%	-	-
	UG III Year	84%	16%	-
	PG I Year	100%	-	-
	PG II Year	100%	-	-

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? –**

S.No	Year	Name of Exam	No. of Students
1.	2014	Research., M.Phil	2
2.	2013	M.P. Police (W.O)	1
3.	2012	Research Ph.D	1
4.	2010	Work As a Assistant Professor, in D.U.	1
5.	2010	Own Business	2

**29. Student progression**

Student progression	Against % enrolled
UG to PG	35%
PG to M.Phil.	10%
PG to Ph.D.	10%
Ph.D.to Post-Doctoral	0%
Employed	
•Campus selection	10%
•Other than campus recruitment	20%
Entrepreneurship/Self-employment	25%

**30. Details of Infrastructural facilities**

- a) **Library** - 1408 books in Central Library  
Departmental Library –35 Book  
Book Bank -50 Books
- b) **Internet facilities for Staff & Students** – 01 computer Available
- c) **Class rooms with ICT facility** - Nil
- d) **Laboratories(Major Instruments)/ Facilities** –Nil

**31. Number of students receiving financial assistance from college, university, Government or other agencies –**

S.No	Year	Type of the Scholarship	No. of Beneficiaries	
			U.G.	P.G.
1	2013-14	Govt. (SC, OBC, Gaon ki Beti)	03	-
		Private		01
		College (Sister Concession, Freeship)	05	02
2	2012-13	Govt.	03	-
		Private		-
		College (Sister Concession, Freeship)	05	01
3	2011-12	Govt.	02	-

		Private	-	-
		College (Sister Concession, Freeship)	-	02
4	2010-11	Govt.	3	-
		Private	-	-
		College ( Sister Concession, Freeship)	4	-

32. Details on student enrichment program (special lectures/workshops/seminar) with external experts –

- Organized Mock Youth Parliament (Every Year)
- Poster competition related to subject.
- U.G. &P.G. students attended State & National level training, lecture series, workshops and seminars.

33. Teaching methods adopted to improve student learning –

- Lecture
- Role play
- Debates
- Group discussion
- Brainstorming
- Interactive session
- Presentation

34. Participation in Institutional Social Responsibility (ISR) and Extension activities –

S.No.	Year	NSS	NCC
1	2013	36	1
2	2012	45	4
3	2011	51	3
4	2010	49	3

Any Other-

1. Dr. Shriji Seth:-
  - Program officer of NSS Unit
  - Member, All Indian Political science Association, Meerut
2. Dr. Harsha Chaturvedi:-
  - Member, All Indian Political science Association, Meerut

35. SWOC analysis of the department and Future plans -

**Strength:**

- The Department has well established with teaching aids like-Map, charts and transparency slides for political awareness.
- The Department is enriched with rich resource of book in departmental library and central library.
- Syllabus followed by college is self sufficient and thought provoking.

**Weakness:**

- Most of the students are from Hindi medium they cannot understand the matter of reference books.
- The student categories are from mediocre category.

**Opportunities:**

- Receiving funds from Pt. kunjilal Dubey National Parliamentary Academy for organize mock parliament.
- One Minor Research Project funded from U.G.C. CRO, Bhopal.

**Challenges:**

- To make all students of various subject proficient in Political Awareness.
- To make training in political science to meet with the demand of the job scenario.

**Future Plans:**

- To nurture the motivated student for active participation in the society.
- To introduce M.Phil for higher excellence.
- The department would provide research center for the student.

**Any Other** – Department publishes its news letter “Mind’s Eye”



***Department of Psychology***

# Department of Psychology

1. **Name of the department** - Psychology
2. **Year of Establishment** - 1976
3. **Names of Programmes/Courses offered (UG, PG, M.Phil,Ph.D.,Integrated Masters; Integrated Ph.D., etc.)** - UG
4. **Names of Interdisciplinary courses and the departments/units involved** - N.A
5. **Annual/semester/choice based credit system (programme wise)** - Semester wise
6. **Participation of the department in the courses offered by other departments** - The Teacher of Psychology Department takes classes of Organisational Behavior of B.C.A Sem. III
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** - N.A
8. **Details of courses/programmes discontinued (if any) with reasons** -N.A
9. **Number of teaching posts**-01

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	01	01

10. **Faculty profile with name, qualification, designation, specialization(D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4
Mrs. Meera Rani Saxena	M.Phil.,M.A.	Assistant Professor	Social Psychology	37 years	-

11. **List of senior visiting faculty** –Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty** - Nil

13. **Student-Teacher Ratio (programme wise) –**

<b>U.G.(B.A)</b> 2010-11	23:01
2011-12	23:01
2012-13	23:01
2013-14	12:01
<b>(B.C.A)</b> 2010-11	54:01
2011-12	52:01
2012-13	39:01
2013-14	37:01

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled –**

	<b>Sanctioned</b>	<b>Filled</b>
Technical Staff	01	01
Administrative Staff	-	-

15. **Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

<b>Qualification</b>	<b>No. of Faculty</b>
DSc	-
D.Litt	-
Ph.D	-
M.Phil	01
PG	-

16. **Number of faculty with ongoing projects from**a) **National** – Nilb) **International** – Nil**Funding agencies and grants received -Nil**17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received - Nil**18. **Research Centre/facility recognized by the University - Nil**19. **Publications:** Mrs. Meera Rani Saxena

- Publication per faculty - 02

- Number of papers published in peer reviewed journals (national/international) by faculty and students - Nil

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.) - Nil



- Monographs -Nil
  - Chapter in Books -Nil
  - Books Edited -Nil
  - Books with ISBN/ISS Numbers with details of publishers -Nil
  - Citation Index -Nil
  - SNIP -Nil
  - SJR -Nil
  - Impact factor –Nil
  - H-index -Nil
20. **Areas of consultancy and income generated - Nil**
21. **Faculty as members in**
- a) **National Committees:** Nil
  - b) **International Committees:** Nil
  - c) **Editorial Boards:** Nil
  - d) **Any other-** Member, Board of Studies in Psychology in Barkatullah University, Bhopal from 2009-2011
22. **Student projects**
- a) **Percentage of students who have done in-house projects including inter departmental/programme –Nil**
  - b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –**

Year	Class	Percentage
2013-14	Final Year – UG	15%
2012-13	Final Year – UG	30%
2011-12	Final Year – UG	50%
2010-11	Final Year – UG	45%

23. **Awards/Recognitions received by faculty and students –**

S.No	Name of the Student	Award/Recognition received
1.	Ku. Swati Bhadoria	Best NSS volunteer award, Sports award 2013
2.	Ku. Purna Mehta (B.A.) (2004-05)	Secured Ist in Merit (Barkatullah University)
3.	Ku. Roopam Jain (B.A.) (2004-05)	Secured IInd in Merit (Barkatullah University)
4	Ku. Poonam D.Rao (B.A.) (2006-07)	Secured Vth in Merit (Barkatullah University)

5.	Ku. Disha Narula (B.A.) (2007-08)	Secured Ist in Merit (Barkatullah University)
6.	Ku. Simmer Madan (B.A.) (2007-08)	Secured Vth in Merit (Barkatullah University)
7.	Ku. Pooja Tiwari (B.A.) (2007-08)	Secured Xth in Merit (Barkatullah University)

24. **List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1	Dr. Gyanendra Gautam	Professor in Sociology Department in BU
2.	Dr. Udai Jain	Retd. Prof. in Psychology, Department in BU

25. **Seminars/Conferences/Workshops organized & the source of funding**

- a) **National** - 01 in 2013, sources of funding - UGC  
b) **International** - Nil

26. **Student profile programme/course wise:**

UG Batch	Name of the Course/ programme (refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	B.A I Sem.	02	02	02	100%
	B.A II Sem.	02	02	02	100%
	B.A III Sem.	03	03	03	100%
	B.A IV Sem.	03	03	03	100%
	B.A V Sem.	07	07	07	100%
	B.A VI Sem.	07	07	07	100%
2012-13	B.A I Sem.	04	04	03	75%
	B.A II Sem.	03	03	03	100%
	B.A III Sem.	09	09	09	100%
	B.A IV Sem.	09	09	09	100%
	B.A V Sem.	10	10	10	100%
	B.A VI Sem.	10	10	10	100%
2011-12	B.A I Sem.	10	10	10	100%
	B.A II Sem.	10	10	10	100%
	B.A III Sem.	10	10	10	100%
	B.A IV Sem.	10	10	10	100%
	B.A V Sem.	03	02	02	65%
	B.A VI Sem.	03	02	02	65%
2010-11	B.A I Sem.	10	10	10	100%
	B.A II Sem.	10	10	10	100%

B.A III Sem.	04	04	04	100%
B.A IV Sem.	04	04	04	100%
B.A V Sem.	08	08	08	100%
B.A VI Sem.	08	08	08	100%

### 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	100%	-	-
	UG II Year	100%	-	-
	UG III Year	85%	15%	-
2012-13	UG I Year	100%	-	-
	UG II Year	85%	15%	-
	UG III Year	100%	-	--
2011-12	UG I Year	85%	15%	-
	UG II Year	100%	-	-
	UG III Year	100%	-	-
2010-11	UG I Year	100%	-	-
	UG II Year	100%	-	-
	UG III Year	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? – Nil

### 29. Student progression

Student progression	Against % enrolled
UG to PG	20%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D.to Post-Doctoral	-
Employed	-
•Campus selection	
•Other than campus recruitment	
Entrepreneurship/Self-employment	10%

### 30. Details of Infrastructural facilities

- a) **Library** - Books Available in Library-738  
Departmental Library -87  
Book Bank- 35
- b) **Internet facilities for Staff & Students** -Nil

- c) **Class rooms with ICT facility** - Nil
- d) **Laboratories(Major Instruments)/ Facilities–**
- Colour Mixer
  - Bhatia Intelligence Test Battery

**31. Number of students receiving financial assistance from college, university, Government or other agencies –**

S.No	Year	Type of the Scholarship	No. of Beneficiaries
1.	2010-11	SC/ST/OBC	Nil
		Sister Concession/ Freeship	02
2.	2011-12	SC/ST/OBC	01
		Sister Concession/ Freeship	02
3.	2012-13	SC/ST/OBC	02
		Sister Concession/ Freeship	Nil
4	2013-14	SC/ST/OBC	02
		Sister Concession/ Freeship	Nil

**32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts -Seminar, special Lectures.**

**33. Teaching methods adopted to improve student learning –**

- Lecture
- Assignment
- Project work
- Coaching by taking extra classes
- Providing books from book bank.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities –**

Session	No. of participants in NSS	No. of participants in NCC
2010-11	03	02
2011-12	01	02
2012-13	06	02
2013-14	09	0

**35. SWOC analysis of the department and Future plans -**

**Strength:**

- Experienced & Qualified Faculty.
- Well established Laboratory & experienced Lab technician.
- Good collection of the subject book in main library and Departmental Library.

**Weakness:**

- Less No. of the student in subject.

**Opportunities:**

- Very good opportunity in the field of Clinical Psychology, Counseling Psychology & the human resources in the multinational companies.

**Challenges:**

- To create interest in the subject, so that no. of students in the subject can be increased.

**Future Plans:**

- To Start PG in Psychology.
- To organize workshop & special classes



## *Department of Sanskrit*

# Department of Sanskrit

1. **Name of the department** - Sanskrit
2. **Year of Establishment** – July 1976
3. **Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)** – UG(B.A.)
4. **Names of Interdisciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system (programme wise)** - Semester
6. **Participation of the department in the courses offered by other departments** - Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** - Nil
8. **Details of courses/programmes discontinued (if any) with reasons** - Nil
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	01	01 till 31/07/2013

10. **Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr. Artee Vaish	Ph.D., M.A.	Asst. Prof., HOD	Kalika Puran-A Study	34 Years 8 Months	Nil

11. **List of senior visiting faculty** - Nil

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty** - Nil

13. **Student-Teacher Ratio (programme wise) – Nil**
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled – Nil**
15. **Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

Qualification	No. of Faculty
DSc	
D.Litt	
Ph.D.	01
M.Phil	
PG	

16. **Number of faculty with ongoing projects from**
- National – Nil**
  - International – Nil**
- Funding agencies and grants received -Nil**
17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received - Nil**
18. **Research Centre/facility recognized by the University - Nil**
19. **Publications:**
- Publication per faculty - Nil
  - Number of papers published in peer reviewed journals (national/international) by faculty and students - Nil
  - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.) - Nil
  - Monographs - Nil
  - Chapter in Books - Nil
  - Books Edited - Nil
  - Books with ISBN/ISS Numbers with details of publishers - Nil
  - Citation Index - Nil
  - SNIP - Nil
  - SJR - Nil
  - Impact factor – Nil
  - H-index - Nil
20. **Areas of consultancy and income generated - Nil**



**21. Faculty as members in**

- a) **National committees:-** Nil
- b) **International Committees:** Nil
- c) **Editorial Boards:** Nil
- d) **Any Other :** All India Oriental Conference Life Member (Bhandarkar Oriental Research Institute, Pune)

**22. Student projects**

- a) **Percentage of students who have done in-house projects including inter departmental/programme – Nil**
- b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies –**

Year	Class	Percentage
2013-14	Final Year – UG	100%
	Final Year – PG	
2012-13	Final Year – UG	100%
	Final Year – PG	
2011-12	Final Year – UG	100%
	Final Year – PG	
2010-11	Final Year – UG	100%
	Final Year – PG	

**23. Awards/Recognitions received by faculty and students – Nil****24. List of eminent academicians and scientists/visitors to the department – Nil****25. Seminars/Conferences/Workshops organized & the source of funding**

- a) **National - Nil**
- b) **International - Nil**

**26. Student profile programme/course wise:**

UG Batch	Name of the Course/ programme (refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	B.A I Sem.	0	0	0	Nil
	B.A II Sem.	0	0	0	Nil
	B.A III Sem.	0	0	0	Nil
	B.A IV Sem.	0	0	0	Nil
	B.A V Sem.	03	03	03	100%
	B.A VI Sem.	03	03	03	100%

2012-13	B.A I Sem.	0	0	0	Nil
	B.A II Sem.	0	0	0	Nil
	B.A III Sem.	04	04	04	75%
	B.A IV Sem.	04	04	04	75%
	B.A V Sem.	03	03	03	100%
	B.A VI Sem.	03	03	03	100%
2011-12	B.A I Sem.	05	05	05	100%
	B.A II Sem.	05	05	05	100%
	B.A III Sem.	03	03	03	100%
	B.A IV Sem.	03	03	03	100%
	B.A V Sem.	03	03	03	100%
	B.A VI Sem.	03	03	03	100%
2010-11	B.A I Sem.	03	03	03	100%
	B.A II Sem.	03	03	03	100%
	B.A III Sem.	03	03	03	100%
	B.A IV Sem.	03	03	03	100%
	B.A V Sem.	09	09	09	100%
	B.A VI Sem.	09	09	09	100%

#### 27. Diversity of Students

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	0	0	0
	UG II Year	0	0	0
	UG III Year	66.66%	33.33%	Nil
2012-13	UG I Year	0	0	0
	UG II Year	75%	25%	Nil
	UG III Year	100%	Nil	Nil
2011-12	UG I Year	80%	20%	Nil
	UG II Year	100%	Nil	Nil
	UG III Year	100%	Nil	Nil
2010-11	UG I Year	100%	Nil	Nil
	UG II Year	100%	Nil	Nil
	UG III Year	100%	Nil	Nil

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? – Nil**

29. **Student progression**

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG (2013-14)	66%
PG to M.Phil.	
PG to Ph.D.	
Ph.D.to Post-Doctoral	
Employed •Campus selection •Other than campus recruitment	
Entrepreneurship/Self-employment	

30. **Details of Infrastructural facilities**

- a) Library - 544 Books  
Departmental Library - 65 Books
- b) **Internet facilities for Staff & Students - Nil**
- c) **Class rooms with ICT facility - Nil**
- d) **Laboratories(Major Instruments)/ Facilities – Nil**

31. **Number of students receiving financial assistance from college, university, Government or other agencies –**

<b>S.No</b>	<b>Year</b>	<b>Type of the Scholarship</b>	<b>No. of Beneficiaries</b>
1	2013-14	SC	01
2	2012-13	SC	01
3	2011-12	SC	01
4	2010-11	SC	01

32. **Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts – Lectures on “Shodas Sanskar”, “Vedic Mantra”, “Hitopdesh Suktian” are organized from time to time.**

33. **Teaching methods adopted to improve student learning –**

- Role-play based learning
- Emphasis on communication in Sanskrit

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities –**

Session	NSS
2010-11	15
2011-12	11
2012-13	07
2013-14	03

35. **SWOC analysis of the department and Future plans -**

**Strength:**

- It is one of the three Sanskrit Departments in the colleges of Bhopal.

**Weakness:**

- It is not a popular subject.
- Number of students enrolled in the faculties of Humanity is very low in the college.

**Opportunities:**

- To know the ancient Indian Literature better as most of the early Indian Texts are written in Sanskrit

**Challenges:**

- To make the subject more attractive so the students can opt for it and enjoy learning

**Future Plans:**

- To revive the department.



***Department of Sociology***

# Department of Sociology

1. **Name of the department** - Sociology
2. **Year of Establishment** - 1976
3. **Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D. etc.)** - UG (B.A.)
4. **Names of Interdisciplinary courses and the departments/units involved** - Nil
5. **Annual/semester/choice based credit system (programme wise)** - Semester system.
6. **Participation of the department in the courses offered by other departments** - Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** - Nil
8. **Details of courses/programmes discontinued (if any) with reasons** - Nil
9. **Number of teaching posts**-01

	<b>Sanctioned</b>	<b>Filled</b>
Professors	-	-
Associate Professors	-	-
Asst. Professors	01	01

10. **Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of Ph.D. Students Guided for the Last 4 years</b>
Dr. Shakuntala Jain	Ph.D, M.A	Assistant Professor	Political - Sociology	36 Year in UG	-

11. **List of senior visiting faculty** – Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty** - Nil

**13. Student-Teacher Ratio (programme wise) –**

U.G.2010-11	50:01
2011-12	50:01
2012-13	38:01
2013-14	30:01

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled – Nil****15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./M.Phil./P.G. –**

Qualification	No. of Faculty
DSc	-
D.Litt	-
Ph.D	01
M.Phil	-
PG	-
	-

**16. Number of faculty with ongoing projects from**

- a) **National** – Nil
- b) **International** – Nil
- c) **Funding agencies and grants received** - Nil

**17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received - Nil****18. Research Centre/facility recognized by the University - Nil****19. Publications: Dr. Shakuntala Jain**

- Publication per faculty -04
- Number of papers published in peer reviewed journals (national/international) by faculty and students -01
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.) -Nil
- Monographs -Nil
- Chapter in Books -Nil
- Books Edited -Nil
- Books with ISBN/ISS Numbers with details of publishers - 01
- Citation Index -Nil
- SNIP -Nil
- SJR -Nil

- Impact factor –Nil
  - H-index -Nil
20. **Areas of consultancy and income generated** -Nil
21. **Faculty as members in**
- a) **National committees:** Nil
  - b) **International Committees:** Nil
  - c) **Editorial Boards:** Nil
22. **Student projects**
- a) **Percentage of students who have done in-house projects including inter departmental/programme** – Nil
  - b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies** –

Year	Class	Percentage
2013-14	Final Year – UG	20%
	Final Year – PG	-
2012-13	Final Year – UG	30%
	Final Year – PG	-
2011-12	Final Year – UG	18.0%
	Final Year – PG	-
2010-11	Final Year – UG	25.25%
	Final Year – PG	-

23. **Awards/Recognitions received by faculty and students** –

S.No	Name of the Faculty	Award/Recognition received
1.	Dr. Shakuntala Jain	Best Worker Award for Girl child education-2011
S.No	Name of the Student	Award/Recognition received
1.	Ku. Mamta Paswan	Best Student award-2012
2.	Ku. Shireen Comfort	Best cadet Award in Army, navy, Air force wings- Bhopal –group headquarter M.P-2010-2011, Best Student Award-2011-12,
3.	Ku. Twinkle Gohe	Best Student award-2013
4.	Ku. Poonam D. Rao (B.A.) (2007-08)	Secured Vth in Merit (Barkatullah University)
5.	Ku. Simmer Madan (B.A.) (2007-08)	Secured Vth in Merit (Barkatullah University)
6.	Ku. Pooja Tiwari (B.A.) (2010-11)	Secured Xth in Merit (Barkatullah University)



24. **List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1.	Dr. Gyanendra Gautam	Professor in Sociology Department in BU
2.	Dr. Udai Jain	Retd. Prof. in Psychology Department in BU

25. **Seminars/Conferences/Workshops organized & the source of funding**

- a) **National** - 01 (Value Oriented Education Status & Direction)  
Sources of funding UGC
- b) **International** - Nil

26. **Student profile programme/course wise:**

UG Batch	Name of the Course/ programme (refer question no. 3)	Applications received	Selected	Enrolled	Pass percentage
2013-14	B.A I	06	05	05	100%
	B.A II	06	06	06	100%
	B.A III	08	08	08	100%
	B.A IV	08	08	08	100%
	B.A V	14	14	14	100%
	B.A VI	14	14	14	100%
2012-13	B.A I	08	08	08	100%
	B.A II	08	08	08	100%
	B.A III	19	19	19	100%
	B.A IV	18	18	18	100%
	B.A V	12	12	12	100%-
	B.A VI	10	10	10	100%
2011-12	B.A I	20	20	20	100%
	B.A II	18	18	18	100%
	B.A III	12	12	12	100%-
	B.A IV	10	10	10	100%
	B.A V	11	11	11	100%
	B.A VI	11	11	11	100%
2010-11	B.A I	12	12	12	100%-
	B.A II	10	10	10	100%
	B.A III	11	11	11	100%
	B.A IV	11	11	11	100%
	B.A V	17	17	17	100%
	B.A VI	17	17	17	100%

27. **Diversity of Students**

Batch	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2013-14	UG I Year	100%	-	-
	UG II Year	100%	-	-
	UG III Year	70%	30%	-
2012-13	UG I Year	90%	10%	-
	UG II Year	70%	30%	-
	UG III Year	100%	-	-
2011-12	UG I Year	70%	30%	-
	UG II Year	100%	-	-
	UG III Year	85%	15%	-
2010-11	UG I Year	70%	30%	-
	UG II Year	85%	15%	-
	UG III Year	100%	-	-

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? –Nil**

29. **Student progression**

Student progression	Against % enrolled
UG to PG	40-50% -
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D.to Post-Doctoral	-
Employed •Campus selection •Other than campus recruitment	20-25%
Entrepreneurship/Self-employment	10-25%

30. **Details of Infrastructural facilities**

- a) **Library** - Books available in Library No.-794  
Departmental Library –63
- b) **Internet facilities for Staff & Students** -Nil
- c) **Class rooms with ICT facility** - Nil
- d) **Laboratories(Major Instruments)/ Facilities** – Nil

**31. Number of students receiving financial assistance from college, university, Government or other agencies –**

S.No	Year	Type of the Scholarship	No. of Beneficiaries
1.	2010-11	SC/ST/OBC	03
		Sister concession/ Freeship	01
2.	2011-12	SC/ST/OBC	05
		Sister concession/ Freeship	02
3.	2012-13	SC/ST/OBC	06
		Sister concession/ Freeship	03
4.	2013-14	SC/ST/OBC	03
		Sister concession/ Freeship	06

**32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts - Special lectures & Workshops**

**33. Teaching methods adopted to improve student learning –**

- Lectures
- Group Discussion
- Oral question Answer
- Making diagram & Chart
- Using Black Board
- Project work
- Class test
- Coaching by taking extra classes
- Providing books from book bank.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities –**

Session	No. of participants in NSS	No. of participants in NCC
2010-11	28	05
2011-12	10	03
2012-13	08	06
2013-14	08	03

**35. SWOC analysis of the department and Future plans -**

**Strength:**

- Experienced & Qualified Faculty.
- Good collection of the subject book in main library and Departmental Library.

**Opportunities:**

- Very good opportunity in the field of Social welfare field as Counselor, NGO, human resources in the multinational companies.

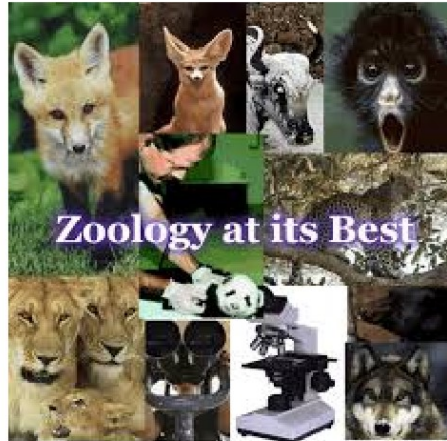
- To motivate students to take-up jobs in the fields of Social-welfare, Family Planning, Rural co-operative societies, Banking, Teaching etc., and to prepare them for Civil Services & other Competitive exams.

**Challenges:**

- To create interest in the subject, so that no. of students in the subject can be increased.
- To organize seminars and workshops for the students.

**Future Plans:**

- To start Post-Graduate classes & P.G. diploma in Applied Sociology.



*Department of Zoology  
and Biotechnology*

# Department of Zoology and Biotechnology

1. **Name of the department** –Zoology and Biotechnology
2. **Year of Establishment** –Zoology : 1981  
Biotechnology: 2005
3. **Names of Programs/Courses offered:**B.Sc.(Bio)  
M.Sc.(Zoology)  
M.Sc.(Biotechnology)
4. **Names of Interdisciplinary courses and the departments/units involved:**  
M.Sc.(Biotechnology)
5. **Annual/semester/choice based credit system (program wise)**–Semester System.
6. **Participation of the department in the courses offered by other departments**  
–  
M.Sc.(Chemistry), B.C.A. (Foundation Course- Environmental Sciences).
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.-** Nil
8. **Details of courses/ programmes discontinued (if any) with reasons** -Nil
9. **Number of teaching posts :**

	<b>Sanctioned</b>	<b>Filled</b>
Professors	-	-
Associate Professors	-	-
Asst. Professors	07	07

**10. Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.) :**

Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students Guided in the Last 4 years
Dr. (Smt.) Asha Agrawal Sr. Asst. Prof.	Ph.D. M.Sc.(Zoology),	Assistant Professor	Ichthyology	34 yrs.	-
Dr. Rupa Guha Nandi	Ph.D. M.Sc.(BioSc.), M.A(Eco.)	Assistant Professor	Biotechnology	12 yrs.	-
Dr.(Mrs.) Sunita Yadav	Ph.D., M.Phil., M.Sc.(Zoo.), B.Ed., PGDCA	Assistant Professor	Ichthyology	14 yrs.	-
Dr. Renu Shrivastava	Ph.D. M.Sc.(Zoo.), B.Ed., M.A. (Edu.)	Assistant Professor	Cytology	8 yrs.	
Dr. Parul Saxena	Ph.D., M.Sc.(Genetics)	Assistant Professor	Genetics	4 yrs	-
Mrs. Mamta Joshi	M.Sc.(Biotech.)	Assistant Professor	Biotechnology	2 yrs	-
Ms. Khyati Shrivastava	M.Sc.(Biotech.)	Assistant Professor	Biotechnology	2 yrs	-

**11. List of senior visiting faculty:**

- Prof. Vinoy Shrivastava,

**12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty- Nil**

**13. Student-Teacher Ratio (program wise)**

<b>U.G.</b>	B.Sc. (Biotech)46:4 B.Sc. (Zoology)73:4 BCA (FC:-EVS) 31:1
<b>P.G.</b>	M.Sc. (Biotech) 3:7 M.Sc. (Zoology) 3:7

**14. Number of academic support staff (technical) and administrative staff ; sanctioned and filled-**

	Sanctioned	Filled
Technical Staff	02	02
Administrative Staff	-	-

**15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ P.G.–**

Qualification	No. of Faculty
DSc	-
D.Litt	-
Ph.D.	05
M.Phil.	01
PG	02

**16. Number of faculty with ongoing projects from**

a) **National**– 01

b) **International**– Nil

**Funding agencies and grants received-**

UGC Funded Minor Research Project.

**17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received –**

- Dr. Rupa Guha Nandi, “Suitability of gum liquid inoculums for the commercial production of bio-fertilizer for *Glycin max* by temperature tolerant strains”. Total grant received Rs. 95,000/- in 2012-13.

Funding Agency: UGC;

Status: Completed

- Dr. Renu Shrivastava, “Toxicological impact of Bisphenol A on reproductive and endocrine physiology of male mice *Mus musculus*” Total grant Sanction

Rs.1,50,000/- in 2013-14.

Funding Agency: UGC

Status: Ongoing

**18. Research Centre/facility recognized by the University:**

Applied for the recognition as Research Centre from Barkatullah University.



**19. Publication per faculty :Biotech -13 and Zoology–09**

	Dr. Asha Agarwal	Dr. Sunita Yadav	Dr. Renu Shrivastava	Dr. Rupa Guha Nandi	Dr. Parul Saxena	Mrs. Mamta Joshi	Ms. Khyati Shrivastava
No. of publications	01	02	06	05	01	03	04
No. of papers published in peer reviewed journals			05	04	01	03	03
No. of publications listed in International Database	Nil	Nil	05	04	Nil	02	03
Monographs							
Chapter in Books				Distance Education self-instructional material for M.Sc. Botany, Madhya Pradesh Bhoj (open) University Bhopal (M.P.) 2007-10			
Books Edited							
Books with ISBN/ISS Numbers with details of publishers							
Citation Index							
SNIP							
SJR							
Impact factor			2.44	3, 9 (IC Value) and 0.64		3, 0.64	3, 9 (IC Value)
H-index							

**20. Areas of consultancy and income generated:-**

- Free consultancy - in Biodiversity, Toxicology, Endocrinology, Environmental Conservation, Agricultural Biotechnology.
- Income generated by the Dept.:10,000 approx. by Job Oriented Projects, Dissertation etc.

**21. Faculty as members in:****a) National Committees –**

- Members in Board of Studies :  
Dr. Renu Shrivastava – Member Board of Studies (Zoology), Barkatullah University  
Registered Research Guide in Barkatullah University.  
Dr. Asha Agarwal, Member Board of Studies (Biotechnology), Barkatullah University
- Members of National Science Congress –  
Dr. Asha Agarwal,  
Dr. Renu Shrivastava,  
Dr. Rupa G. Nandi,  
Dr. Sunita Yadav,  
Dr. Parul Saxena,  
Ms. Khyati Shrivastava,  
Mrs. Mamta Joshi.

**b) International Committees–Nil****c) Editorial Boards –Dr. Sunita Yadav (Member in Editorial Board of National Journal “Highbrow”).****22. Student projects:****a) Percentage of students who have done in-house projects including inter departmental/ program–****Zoology / Biotechnology Projects**

Year	Class	Percentage	
		Zoology	Biotechnology
2013-14	Final Year –UG	21 %	100 %
	Final Year –PG	-	-
2012-13	Final Year –UG	-	100%
	Final Year –PG	100 %	-

2011-12	Final Year –UG	43%	57%
	Final Year –PG	-	-
2010-11	Final Year –UG	50 %	56.5%
	Final Year–PG	-	-

**b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies–**

**Zoology /Biotechnology Projects**

Year	Class	Percentage	
		Zoology	Biotechnology
2013-14	Final Year – UG	78 %	-
	Final Year –PG	100%	100%
2012-13	Final Year – UG	-	-
	Final Year –PG	-	100%
2011-12	Final Year – UG	57%	-
	Final Year –PG	100%	100%
2010-11	Final Year – UG	50%	-
	Final Year –PG	100 %	100 %

**23. Awards/Recognitions received by faculty and students –**

S.No	Name of the Faculty	Award/Recognition received
1.	Dr. Parul Saxena	Young Scientist Award by Peoples Group in 2010
2.	Ms. Khyati Shrivastava	Qualified Graduate Aptitude Test in Engineering (GATE),Ministry of Human Resource Development (MHRD), Govt. of India in 2011 and 2012.
S.No	Name of the Student	Award/Recognition received
1.	Ku. Meenal Patel(M.Sc. Biotech.)	Qualified Graduate Aptitude Test in Engineering (GATE),Ministry of Human Resource Development (MHRD), Govt. of India in 2012.
2.	Palvinder Kaur, M.Sc.(Zoo) (2010-11)	Secured 4 <sup>th</sup> in Merit (Barkatullah University)
3.	Swati Pathak (B.Sc. Bio) (2009-10)	Secured 3 <sup>rd</sup> in Merit (Barkatullah University)
4	Sonam Shrivastava (B.Sc. Bio) (2008-09)	Secured 7 <sup>th</sup> in Merit (Barkatullah University)
5	Shampa Das(B.Sc. Bio) (2007-08)	Secured 9 <sup>th</sup> in Merit (Barkatullah University)

6	Swapna V.S. (B.Sc. Bio) (2006-07)	Secured 3 <sup>rd</sup> in Merit (Barkatullah University)
7	Malini Menon (B.Sc. Bio) (2005-06)	Secured 2 <sup>nd</sup> in Merit (Barkatullah University)
8	Anisha Manoharan (B.Sc. Bio) (2004-05)	Secured 9 <sup>th</sup> in Merit (Barkatullah University)

**24. List of eminent academicians and scientists/visitors to the department –**

S.No	Name of the academicians/ scientists/visitors	Designation & affiliation of the academicians/ scientists/visitors
1	Dr. D.K. Satpathy	Head of Forensic Medicine at Gandhi Medical College and Hamidia Hospital, Bhopal, M.P.
2	Prof. Mohmd. Ovais	Retd. Prof. Dept. of Bioscience, BU Bhopal, M.P.
3	Prof. Prakash Nautiyal	Dept. of Zoology, H.N.B. Garhwal University, Shrinagar
4	Prof. Vinoy Shrivastava	Dean, Dept. of Bioscience BU, Bhopal, M.P.
5	Prof. N.C. Sharma	Prof. of Genetics, BU, Bhopal, M.P.
6	Prof. Shailendra Sharma	Principal, Adarsh Institute of Management and Science, Dhamnood, M.P.

**25. Seminars/ Conferences/ Workshops Organized & the source of funding:**

- National**- Nil
- International** – Nil

**26. Student profile program/course wise:**

Zoology / Biotechnology(U.G.)

U.G. Batch	Name of the Course/programme (refer question no. 3)	Application received		Selected		Enrolled		Pass Percentage	
		ZOO	BT	ZOO	BT	ZOO	BT	ZOO	BT
B.Sc. (2010-2011)	B.Sc. I Sem	17	11	13	08	13	08	100%	100%
	B.Sc. II Sem	13	08	13	08	13	08	100%	100%
	B.Sc. III Sem	15	21	15	21	15	21	100%	100%
	B.Sc. IV Sem	15	21	15	21	15	21	100%	100%
	B.Sc. V Sem	12	23	12	23	12	23	100%	100%
	B.Sc. VI Sem	12	23	12	23	12	23	100%	100%

B.Sc. (2011-2012)	B.Sc. I Sem	25	11	21	08	21	08	100%	100%
	B.Sc. II Sem	21	08	21	08	21	08	100%	100%
	B.Sc. III Sem	13	08	13	08	13	08	100%	100%
	B.Sc. IV Sem	13	08	13	08	13	08	100%	100%
	B.Sc. V Sem	14	21	14	21	14	21	100%	100%
	B.Sc. VI Sem	14	21	14	21	14	21	100%	100%
B.Sc. (2012-2013)	B.Sc. I Sem	24	12	23	12	23	12	100%	100%
	B.Sc. II Sem	23	12	23	12	23	12	100%	100%
	B.Sc. III Sem	21	07	19	07	19	07	100%	100%
	B.Sc. IV Sem	19	07	19	07	19	07	100%	100%
	B.Sc. V Sem	12	10	12	10	12	10	100%	100%
	B.Sc. VI Sem	12	10	12	10	12	10	100%	100%
B.Sc. (2013-2014)	B.Sc. I Sem	42	21	33	19	33+4	19	100%	100%
	B.Sc. II Sem	33	19	33	19	33+3	19	100%	100%
	B.Sc. III Sem	20	12	20	12	20	12	100%	100%
	B.Sc. IV Sem	23	12	23	12	23	12	100%	100%
	B.Sc. V Sem	19	07	19	07	19	07	100%	100%
	B.Sc. VI Sem	19	07	19	07	18	07	100%	100%

## Zoology /Biotechnology (P.G.)

P.G. Batch	Name of the Course/program (refer question no. 3)	Applications received		Selected		Enrolled		Pass Percentage	
		ZOO	BT	ZOO	BT	ZOO	BT	ZOO	BT
M.Sc.(2010-2011)	M.Sc. I	05	25	04	25	04	25	100%	100%
	M.Sc. II	04	25	04	25	04	25	100%	100%
	M.Sc. III	02	15	02	15	02	15	100%	100%
	M.Sc. IV	02	15	02	15	02	15	100%	100%
M.Sc. (2011-2012)	M.Sc. I	01	07	01	07	01	07	100%	100%
	M.Sc. II	01	07	01	07	01	07	100%	100%
	M.Sc. III	04	23	04	23	04	23	100%	100%
	M.Sc. IV	04	23	04	23	04	23	100%	100%

M.Sc. (2012-2013)	M.Sc. I	04	05	04	04	04	04	100%	100%
	M.Sc. II	04	04	04	04	04	04	100%	75%
	M.Sc. III	01	07	01	06	01	06	100%	100%
	M.Sc. IV	01	06	01	06	01	06	100%	100%
M.Sc. (2013-2014)	M.Sc. I	Nil	05	Nil	03	Nil	03	Nil	100%
	M.Sc. II	Nil	03	Nil	03	Nil	03	Nil	100%
	M.Sc. III	04	03	04	03	04	03	100%	100%
	M.Sc. IV	04	03	04	03	04	03	100%	100%

### 27. Diversity of Students-Zoology/Biotechnology

Batch	Name of the Course	% of students from the same state		% of students from other States		% of students from abroad	
		ZOO	BT	ZOO	BT	ZOO	BT
2013-14	UG I Year	100 %	100 %	-	-	-	-
	UG II Year	96 %	91.7 %	4 %	8.3	-	-
	UG III Year	95 %	100 %	5 %	-	-	-
	PG I Year	-	100 %	-	-	-	-
	PG II Year	100 %	100 %	-	-	-	-
	2012-13	UG I Year	96 %	91.7 %	4 %	8.3%	-
UG II Year		100 %	100 %	-	-	-	-
UG III Year		100 %	100 %	-	-	-	-
PG I Year		100 %	100 %	-	-	-	-
PG II Year		100 %	100 %	-	-	-	-
2011-12	UG I Year	100 %	100 %	-	-	-	-
	UG II Year	100 %	100 %	-	-	-	-
	UG III Year	100 %	95.24 %	-	4.76 %	-	-
	PG I Year	100 %	100 %	-	-	-	-
	PG II Year	100 %	100 %	-	-	-	-
2010-11	UG I Year	100 %	100 %	-	-	-	-
	UG II Year	100 %	95.24 %	-	4.76 %	-	-
	UG III Year	100 %	100 %	-	-	-	-
	PG I Year	100 %	100 %	-	-	-	-
	PG II Year	100 %	100 %	-	-	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.–

S.No.	Year	Name of Exam	No. of Students
1	2012	GATE	1

29. Student progression

Student progression	Against % enrolled
UG to PG	50-60%
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
•Campus selection	20%- 30%
•Other than campus recruitment	30%- 40%
Entrepreneurship/Self-employment	20%

30. Details of Infrastructural facilities

a. **Library** - Zoology :- 1322 Books (Central Library)

Biotechnology:- 389 Books (Central Library)

Departmental Library - Zoology :- 105Books

Book Bank :- 320 Books

Biotechnology :- 41 Books

Book Bank :- 05

b. **Internet facilities for Staff & Students**–One computer with internet facility, Onelaptop and Three computers without internet facility

c. **Class rooms with ICT facility** -01

d. **Laboratories (Major Instruments) / Facilities**–03(01 Instrumentation Laboratory, 01 UG and 01 PG lab).

No. of Major instruments: Zoology-39

Biotechnology- 28

Total no. of Slides and Specimens: 314 and 300

31. **Number of students receiving financial assistance from college, university, Government or other agencies**–

Zoology / Biotechnology

S.No	Year	Type of the Scholarship	No. of Beneficiaries	
			ZOO	BT
1	2013-14	Govt.(SC,OBC,Gaon ki Beti)	02	
		Private (Sitaram Jindal)	01	
		College (SisterConcession, Freeship)	-	
2	2012-13	Govt.(OBC)	04	01
		Private (Sitaram Jindal)	-	01
		College (Sister Concession, Freeship)	01	01
3	2011-12	Govt. (ST) (OBC)	03	03
		Private (Sitaram Jindal)		01
		College (Sister Concession, Freeship)	02	03
4	2010-11	Govt.(OBC)	01	05
		Private (Sitaram Jindal)	01	03
		College (Sister Concession, Freeship)	01	03

**32. Details on student enrichment program (special lectures/ workshops/ seminar) with external experts –**

- Workshop entitled “PCR Today and Tomorrow” in collaboration with BioEra Life Sciences Pvt. Ltd.
- Workshop entitled “Animal tissue culture and Human chromosome”.
- Special lecture and workshop on “Science as a tool in criminal investigations.” by Dr. D. K. Satpathy (Head of Forensic Medicine, Gandhi Medical College and Hamidia Hospital).

**33. Teaching methods adopted to improve student learning–**

- Syllabus is completed into parts according to the month wise distribution by the teachers.
- For teaching, along with the black board, other teaching aids like charts, models, OHP etc. are used.
- Power point presentation by the teachers and students.
- Doubts clearing session after scheduled classes.
- Topics are given to students for assignments, model making and poster presentation.
- Class tests as well as surprise tests are taken time to time.
- Students are encouraged to discuss their views with teachers.
- Special efforts are made for weak students.



- To understand the pattern of paper (objective, short answer type and long answer type questions), old question papers are made available to the students.
- Students can refer various Journals and science magazines in the department.
- Teacher-guardian meeting is organized time to time to check the progress of the student.
- Students are encouraged to promote scientific aptitude and research incline.
- Students are encouraged and guided to attend and to participate various national and international workshops and seminars.
- Students are guided by the teachers to work on various job oriented projects, like Plant tissue culture, Water analysis, Agricultural microbiology, Biodegradation, Hematology, study of fossils etc.
- Teachers also attend and participate in various national and international workshop and conferences etc. to get updated with the current techniques in research field.
- Teachers publish their research papers in many national and international journals time to time.
- Many Training Program on various topics like Plant Tissue Culture, Bio-fertilizers, General Pathological Techniques, Maintenance of aquarium and Collection & preservation of specimen, Physico-chemical and biological analysis of water etc. are conducted for the students.

#### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities–

Students fulfill their social responsibility by participating in :

Session	No. of participants in NSS	No. of participants in NCC
2010-11	-	-
2011-12	-	02
2012-13	04	03
2013-14	16	08

#### Any Other –

- Students were taken to Pench National Park, for wildlife study, and to study the lake water bodies, wild life and biodiversity studies.
- Students were taken to Van Vihar National Park.
- Students participated in various competitions like debate, drawing and painting, rangoli on wildlife, photography, bird watching, elocution etc. in wildlife celebration week at Regional Museum of Natural History, Bhopal.
- The department is running an environmental cell under which tree plantation and other various competitions are held like “Best Out of Waste” etc.
- We also encourage student to pot the plants around their departments and to recycle papers.

### 35. SWOC analysis of the department and Future plans -

#### **Strength:**

- Highly potential, Qualified and Dedicative faculty members with diversified teaching and research experience and committed staff that have a keen interest in future of the Department
- Team work.
- Healthy relationship between students and faculty
- Well established laboratory.
- Research emphasis by faculty members.
- Various students secure position in University Merit list.
- Financial as well as mental support for weak students.
- Books are provided for needy students through book bank.

#### **Weakness:**

- Need more classrooms with ICT facility
- Proper room for Head of the department.
- Internet facility in all computer systems.
- Paucity of Trained lab technician

#### **Opportunities:**

- Providing opportunities for faculty and students to participate in various national and international seminars, conferences and workshop.
- To evolve as a training center.
- Updating Curriculum with new and Upcoming technology.

#### **Challenges:**

- A well regulated teaching learning process and research for solving real life problems.
- Improving the quality of research publication
- More efforts have to be made in bringing DST and Government funded projects in the Department.
- Placement of students.

#### **Future Plans:**

- To establish postgraduate course in zoology with modern branches.
- To establish research facilities to initiate students for research and development for higher studies.
- To study the Biodiversity (Fauna) in the college campus as well as in the nearby areas.
- To establish a polythene biodegradation unit in the college premises.
- To establish a mini bio-fertilizer unit in the laboratory.
- To initiate research work on medicinal plants and establish a small unit laboratory for molecular biology.

#### **Any Other –**

Student of the department publish a news letter “Bio Illuminati” to publish the latest findings of there subject and departmental activities.

## ***Post Accreditation Initiatives***

- ▶ ***Report of the NAAC Peer Team Cycle - I***
- ▶ ***Suggestions Implemented by the Institution***



# NAAC

*for Quality and Excellence in Higher Education*

**Draft Report of the Peer Team on the  
Institutional Accreditation of  
Sri Sathya Sai College for Women  
Bhopal 462 024, Madhya Pradesh**

**Section I: Introduction**

The inception of Sri Sathya Sai College took place in July 1974 by no less a person than Bhagwan Sri Sathya Sai Baba Himself on the auspicious day of Guru Poornima but it started working in December 1974. The College was established with a motive of spreading education among girls to develop skills which will make them useful to community with the motive '**Education is for life, not for mere living**'. It aims to promote the ideals of Sai education having the mission 'Dharma Sthapana'. In the words of Baba Himself 'In this College, the medium is discipline. The first, second and third languages are Love, Service and Sadhana'. It is affiliated to Barkatullah University, Bhopal. Initially the College was started in a Metpa Shed in Piplani area of BHEL Township. Later on the BHEL leased out the present land. It moved to its new building in the Habibganj area of township in 1981. It got its recognition by the UGC under 2(f) in March 1982 and 12B in August 1983.

The college is spread in about nineteen acres of land. Campus is beautiful, maintaining a huge garden that includes a rose garden and bush green coconut and show palm trees. College aims to develop well integrated personality, by making the students aware of their intellectual and spiritual capabilities, by helping them to channelize their capabilities for moral and social reconstruction; to develop faith in God and restore a profound sense of national pride by highlighting our ancient culture and value based education of the past; to instil discipline, self-confidence, spirit of sacrifice and brotherhood and to create a sense of responsibility and commitment towards the society and country. This is purely a women's college where even the teaching staff consists of only females. It aims to produce social grace among the young woman to be good human being along with modern education. It believes in the principle that a student should combine a modern outlook with old principles and beliefs. Initially started as an Arts College, it

introduced Science Faculty in 1981, Home Science in 1983 and education Faculty in 1984. Computer department was established in 1990 with modular courses and PGDCA and entered into the Commerce stream also the following year. B.Com (Comp. Appl.), PGDCA, BCA, B.Ed. and the PG courses are self-financing.

Sri Sathya Sai Arts and Science College for Women, Bhopal volunteered to be assessed and accredited by the National Assessment and Accreditation Council by submitting its self-study report in December 2003. NAAC constituted an expert committee to visit the college and validate its self-study report. The peer team comprises Prof. L.S. Rathore, Former Vice-Chancellor, Jai Narain Vyas University Jodhpur, Rajasthan as the Chairman, Dr. A.K. Indrayan. Professor, Department of Chemistry, Former Dean, Faculty of Science, Gurukula Kangri University, Hardwar, Uttaranchal and Dr Ashok Mohekar, Principal, SMD Mohekar College, Kalamb, Maharashtra, as members. The team visited the institution for two days, i.e., from 24<sup>th</sup> to 25<sup>th</sup> April, 2004. Mr. B.S. Ponmudiraj, Assistant Adviser, NAAC most ably coordinated the previsit programme successfully. The peer team carefully perused and analysed the self-study report submitted by the institute. During institution visit, Peer Team went through the relevant documents, visited the various departments and interacted with the various constituents of the institution. The academic, co-curricular, extra-curricular, sports and other facilities of the institution were visited. The Peer team also interacted at length with the Principal, Faculty, Students, Non-teaching staff, Parents and Alumni of the institution. Based on the above exercise and keeping in mind the criteria identified by the National Assessment and Accreditation Council, the Peer Team has taken up the assessment and accreditation of the college.

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## Section 2: Criterion-wise Analysis

### Criterion I: Curricular Aspects

Sri Sathya Sai College is providing Undergraduate and Postgraduate education in the Faculties of Arts, Science and Commerce along with the B.Ed. programme. A Ph.D. programme in Hindi is also available. It is also providing a one year Postgraduate Diploma in Computer Applications (PGDCA). Postgraduate programmes include M.A. in English, Hindi, Political Science, and History, M.Sc. in Mathematics and Chemistry, and M.Com. in Taxation and Business Management. At the B.A. level, it is providing several set of combinations. At the B.Sc. level, there are four streams. In B.Com., there are 18 papers spread over three years. The undergraduate programmes include certain useful professional courses also like the BCA, B.Sc. Home Science, B.Sc. with Computer Science and B.Com. with Computer Applications. Thus the total number of subjects taught in the college are twenty two. The programmes of teaching and learning are consistent with the goals and objectives of the institution. Regular classes are held for education in Human values, to make the students aware of Indian Culture and Spirituality.

Though the college may start any new programme with due permission from the university, the courses are designed solely by the University. College does not have any role in designing the curriculum. However some lectures are delivered in addition to the prescribed syllabi to enlighten the students about the changing world scenario. Some teachers are members of different academic bodies like Board of Studies etc. but, in general, it is felt by the teachers that the curriculum designing basically is in the hands of the university teachers, with the result that the colleges are more or less helpless in restructuring or redesigning the curriculum.

Though the college does not have much industry-neighbourhood networking, but it is striving for the same through the visits of its students to the neighbouring

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industries. There is a guidance bureau cell in the campus which provides counselling to students. Few counselling sessions were organized last year.

### **Criterion II: Teaching-Learning and Evaluation**

The college has adopted satisfactory Teaching-Learning and Evaluation system. The teaching faculty of the college is well qualified. Out of 55 teachers 15 hold the Ph.D. degree and another 6 are M. Phil, some have registered themselves for Ph.D. All are women teachers.

There are about 1000 students in UG and PG classes including those in self-financing courses. Most of the strength of students comes from the Science and Self-financing courses. Enrollment in Arts subjects is poor. The college follows the admission policy as stipulated by the State Government and in accordance with the procedure laid down by the University. College selects the students for admission on the basis of their academic record. Students' knowledge and skills are assessed after admission through periodical tests. The college monitors overall performance of the students to ensure the achievement of the course objectives. Free of cost assistance is provided to educationally disadvantaged students. Students are encouraged to participate in intra and inter college competitions like essay writing, debates, declamations, paper reading and quiz etc. In science subjects, students are encouraged to prepare models. A couple of very effective models have been prepared by students under the guidance of their teachers.

Besides the conventional lecture method the audio-visual aids, overhead projectors, theme-based charts and models are frequently used. The teachers also hold group discussions and quiz sessions with students. Working days of the college in a year are normally 240, out of which the teaching days extend up to 180. Every teacher is required to take a teaching load of 16 to 24 hrs per week. The ratio of teaching to non-teaching staff is approximately 2.5:1. The participation of teachers in attending seminars, conferences, workshops is satisfactory. In last two years twenty three



teachers have participated at the national level seminars and some were the resource persons. Two teachers have gone to participate at an international level.

Teachers of Physics Department are taking EHV classes and tell the students about the life, work and contributions of renowned persons. Home Science Department is conducting the Hobby classes also. But it is sad that B.Sc. Home Science has at present no enrollment of students.

The college prepares academic calendar of the year in the light of the university guidelines. Time table and classes are allocated right in the beginning of the session. The heads hold the meeting of their departments where the details of the curricula completion are finalised.

Selection and appointment of teachers are made in accordance with University/UGC rules. The managing committee of the college generally accepts the recommendations of the Principal for the creation of additional posts to cope up with the workload. College management has the power and resources to appoint the ad hoc staff. Ad hoc staff is recruited for a period of one session.

The evaluation of the performance of teachers is done through self-appraisal, assessment by concerned head of the department and the Principal. Students feed back is also taken and given due weightage. Faculty development programmes are available for the refreshing of the knowledge and skills of the teachers. College has organized some Seminars and Symposia in last few years. Five members of the faculty have received teaching awards also.

### **Criterion III: Research, Consultancy and Extension**

Despite some Postgraduate Departments, not much atmosphere exists in active research. Some of the teachers are pursuing their Ph.D. research. The number of Ph.D.s in the existing staff is not high though the college provides the study leave

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as per norms of UGC under Faculty Improvement Programme and Teacher Fellowship schemes. Some teachers are, however, showing research aptitude by enrolling the students for Ph.D. degree in their supervision and getting their research articles published in spite of the fact that a conducive environment to that effect is not available. A UGC Research Project is also being handled in Chemistry Department. Another one is recently sanctioned in Zoology Department. Zoology Department has received grants from UGC for conducting a National Seminar also. It is heartening to note that in some of the PG courses the students have to submit dissertation and they are encouraged to write research papers. College subscribes a sufficient number of magazines and journals on different subjects

There is no well defined system of consultancy being provided by the college on payment basis. There is no full time designated person for extension activities, however a teacher is given the additional charge. The college is providing many extension activities like community development, health and hygiene awareness, medical camps including hepatitis-B and pulse-polio, AIDS awareness, blood donation camps, environment awareness, and women empowerment etc. Patriotic discourses are also provided. Activities towards Adult education and literacy also exist. College has three units of NSS and two wings of NCC-Army and Navy. College encourages its 300 volunteers of NSS and nearly 100 cadets of NCC to reach the society with their designed programmes. NSS volunteers and NCC cadets participate regularly in the National Integration Camps and Republic Day Parade. It gave much satisfaction to the Peer Team when they came to know that a couple of NCC Cadets have visited foreign countries under the Youth Exchange Programme. Extension activities are being carried out in collaboration with certain GOs and NGOs also like FPAI, Red Cross, CEDMAP etc.

#### **Criterion IV: Infrastructure and Learning Resources**

The college has twenty two Class Rooms, an Administrative Block, four Laboratories, a Library, a Computer Centre, a Students' Common Room 'Rajat'

Mandap', , a Canteen, a Prayer Hall, and a Girls' Hostel etc. Facilities of water coolers, air conditioners, generator, tube well are available. Maintenance of these facilities is done both through annual maintenance contract and permanent resident technicians. Almost 3 acres of land has been utilized for urban forestry, where more than 4,000 trees are planted with the cooperation of M.P. Government Forest department. College authorities try to keep the campus beautiful, clean and pollution free. Special efforts are taken by the college to have an in campus pollution control.

There is a central library having more than 21,000 books. Some are good rare collections also. Book bank facility exists. Enough computerization has been done. However it is not interconnected with other libraries for inter-library borrowing. Internet facility exists. Reprography facility and audio-video cassettes also exist. Some Departmental Libraries also exist.

Computer Centre has 33 computers comprising PCs and LAN. Team was impressed to find the involvement of the Faculty in Website launch of the Institute and the work done in Animation and Graphic Designing. College has already started a short term certificate programme to this effect and plans to introduce a Diploma Course soon. Department has organized Seminars and the Campus interviews were also held and the students selected. The college office and some departments are also equipped with a computer.

In-house bank counter is available. Sports facilities are good. Women are encouraged to participate in various sports activities and incentives in the form of scholarship, hostel facility and special diet etc. are given to promising sports persons. Basket ball court, Khokho ground, Volley ball and Badminton courts and Running Track are available. A small gymnasium is now existing. A few students have won gold medals at national and regional levels.

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College maintains a good Hostel for the girls having all amenities and enough hygienic care. Having 26 rooms, the hostel accommodates about 100 girls. The hostel has a well stocked dispensary, a TV and recreation room, laundry facility and the water coolers. A PCO is also in operation.

The college brings out a magazine 'Divya' annually through which the students get an opportunity to develop their creativity in writing in English and Hindi and the teachers get the opportunity to show their skill in this field.

#### **Criterion V: Students Support and Progression**

The college publishes its updated prospectus every year. It contains the details about the available courses, rules and regulations for admission to various courses, the fee structure, the college calendar of the year, the availability of different scholarships and financial aid, rules and regulations for admission in hostel and the various services available in the campus. Rules about attendance and house examinations are also given in the prospectus. Last year about twenty five students received merit or merit-cum means scholarships.

Drop out rate is negligible. Currently an Employment cell has become functional with a Placement officer among the teachers. Some students have qualified the UGC/CSIR-NET and UGC-SLET. Academic and personal counselling to the students is provided by the teachers through Advisor-Advisee system which is very effective and helpful in solving even the personal problems of the students. Alumni association is active. Many of the Alumni are employed at respectable positions. Some are running their own boutiques, cyber café and day-care centres.

The college provides many recreational and leisure time facilities like indoor games, students' magazines and outdoor games. Debate clubs, Quiz clubs, Nature clubs, Elocution clubs. Dance and Music competitions and story writing competitions are held. Various festivals like Guru Poornima, Laksharchan on

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Makar sankranti etc. are celebrated in the college in specially organized programmes. Visit of students to Prashantinilayam is also an annual feature.

#### **Criterion VI: Organization and Management**

The college is managed through a Governing Body having its Chairman and a Member Secretary from Sri Sathya Sai Trust, M.P. There is a separate Administrative Officer apart from the Principal. However, the Madhya Pradesh Government and the Barkatullah University have their due role. Barkatullah University conducts periodical inspection of the college. Principal enjoys all powers pertaining to day to day activities of the college. College has a Faculty Council and several committees to look after the various programmes of the institution and the development and maintenance of the institution and its campus.

The work efficiency of the non-teaching staff is monitored through their Annual Confidential Reports (ACR). Professional development opportunities like computer operating and accounts maintenance knowledge are made available to the non-teaching staff. Employees are periodically awarded for their meritorious work.

The fee structure is satisfactory. College has an internal audit mechanism. However in the last two years the college had the excess budget.

No Grievance redressal cell exists to look after the grievances of teachers, non-teaching staff and students. However, there is a suggestion box for the students where they can give their views regarding the college. The college has many welfare programmes for the teaching and non-teaching staff. Loans are provided for house building, purchase of vehicle, marriage of ward and medical emergency etc. from the Provident Fund of the employee as per rules.

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### **Criterion VII: Other Healthy Practices**

The faculty of the college is striving towards realizing the goal of imparting quality education and for which many healthy practices have been established.

- The college has adopted mechanisms for internal quality checks.
- Policies, progress and development in different areas are discussed and monitored by various individual committees.
- Every year the Students' Union is elected.
- Internet facility is available in the college and students are free to surf and discover the latest in the subject of their study.
- Value based moral teachings are imparted to students. The day begins with a general assembly attended by all students and teachers. Sarvdharm prayer, two minutes 'maun', Mangal Arti followed by few minutes of Yogasana and Meditation are the regular features. Every Thursday bhajans and spiritual talks are conducted. Each day a student has to communicate a 'noble thought' in the morning assembly turn by turn.
- The institution maintains a dress code for both students and teachers.
- College emphasizes the cleanliness in the campus. Students are specially motivated for this.
- Students are given due opportunity for their all round development. Inter class competitions are held and also students are encouraged to participate in inter college and inter university competitions.
- Educational tours and industrial visits are organized.
- Brain storming sessions and group discussions are organized by the teachers weekly.
- Certain teachers are actively engaged in rendering the social service.

### **Section 3: Suggestions**

Visiting committee appreciates the efforts of the college in imparting quality education and meeting its goals successfully. However, the following suggestions are made for further improvement in the college:

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- 1. The teaching departments should participate in programmes like COSIP/COHSSIP/COSIST with the assistance of UGC.
2. Teachers be encouraged to involve in research and strive for the Ph.D. degree if they are not already holding such a qualification.
- 3. The college is advised to establish the Language Laboratories in Hindi and English.
- 4. College should take measures to improve the students strength in its PG courses. Due publicity in the surrounding areas, particularly the rural areas, be made about the usefulness of the courses.
- 5. Certain indemand courses like those of Biotechnology, Office Administration and Entrepreneurship etc be started and necessary permission be taken from the concerned bodies.
- 6. Taking into purview the fact that it is an all girls institution, due care has to be taken in respect of facilities provided in the college common room.
7. Some self-defence training to girls be imparted in the form of Martial Arts etc.
- 8. Because of the enough number of resident students, it is suggested that the Library be open on Sundays also.
9. A multipurpose gymnasium hall be established and the necessary grants from UGC should also be sought in this regard and in the development of other advance facilities in sports.
- 10. The college is advised to establish some linkages with institutes of higher learning within the state as well as outside the state.
- 11. The college should plan MOUs with Industries and Research Organisations, particularly in the neighbouring areas.
12. Departments of Botany and Chemistry should try to have best use of the 'In campus Forest'. Research projects in the field of plant medicine be submitted for sanction to the various possible funding agencies.
- 13. A well-structured communication channel should be established for collecting feedback from academic peers and surrounding employers which can be utilized for enhancing functional efficiency of the college.

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The members of the Peer Team would like to place on record their sincere thanks to the Principal, Management, Teacher Coordinator of NAAC visit and other Faculty, Non-teaching staff, Students, Parents of the students and the Alumni for their support and best cooperation during the visit of NAAC Peer Team.

**Names and Signatures of the Peer Team members**

1. Prof. L.S. Rathore (Chairman)  
Former Vice-Chancellor  
Jai Narain University, Jodhpur

*L.S. Rathore*  
25/4/04

2. Dr A.K Indrayan (Member)  
Professor, Dept of Chemistry  
Former Dean, Faculty of Science  
Gurukula Kangri University, Harwar

*Dr A.K Indrayan*  
25/4/04

3. Dr. Ashok Moekar (Member)  
Principal, SMD Mohekar College  
Kalamb

*Dr. Ashok Moekar*  
25/4/04

I agree with the observations and recommendations made by the Peer Team in this report.

*Aneeta Pande*  
(Dr. Aneeta Pande) 25/4/04  
Principal

**PRINCIPAL**  
**Sri Sathya Sai College**  
**For Women, Bhopal**



**NAAC Peer Team visit on April 24<sup>th</sup> & 25<sup>th</sup> 2004 for**  
**Assessment & Accreditation of the Education Department of**  
**Sri Sathya Sai College for Women, Bhopal**

The Education Department of Sri Sathya Sai College for Women, Bhopal was established in July 1984, after almost 10 yrs. of establishment of the said women's college. The Education department offers one year degree course in secondary / senior secondary teacher education. The education department, an important faculty of Sri Sathya Sai College for Women is a private unaided institution of teacher education affiliated to Barkatullah University Bhopal.

The B.Ed. Course was started in the college because of its faith in Baba's belief that "*The teacher & the Pupil will both be immersed in joy only when love that does not calculate the reward binds them together*".

The institution's major concern is quality & not quantity.

The main objective is to prepare quality teachers by using

- Micro teaching techniques
- Cooperative Learning
- Simulated Teaching
- Practice Teaching/Internship

The efforts are made to promote emancipation of women through value education. The faculty of the department directs its efforts towards achievement of the following objectives

1. Development of well-integrated personality of students, by making them aware of their intellectual & spiritual capabilities and by helping them to channelize their capabilities for moral & social reconstruction.
2. To develop faith in God by providing value education.
3. To instill discipline, self-confidence, spirit of sacrifice & brotherhood.
4. To create a sense of responsibility & commitment towards the society & country.

The department directs its efforts to fulfil its mission statement where medium is discipline & Love, Service & Sadhana are the three languages, which are acquired & practiced.

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The department has been granted permanent recognition from the academic session 2000-01 by the NCTE vide its letter no. WRC/5-6/2K/057 dated Jan 15<sup>th</sup> 2001. The intake capacity as granted by the NCTE is 100.

### **Criterion –I Curriculum Design & Planning**

The students are selected for admission on the basis of their performance in the test conducted by an independent agency called Vyapam, MP Bhopal. Fifty percent of the students are admitted on the basis of merit in the qualifying examination & 50 % seats are filled according to the reservation quota on the basis of merit. The criteria for admission are as per the NCTE norms.

The total no of working days of the department are 242 from which 189 are the teaching days including practice teaching / internship. Fifteen working days are devoted to pre-practice preparation. The students are given lectures & demonstration in seven micro teaching skills plus integration skill. Each student gives lessons in each area of micro teaching skill & two integration lessons. The total no. of demonstration lessons held are four. Since each student is required to give 40 practice teaching lessons in two subject areas, the total practice teaching days are 20 i.e. each student gives two lessons per day.

The faculty has a team of 9 qualified teachers but the distribution of specializations is as under – Sociology – 3; Psychology & human development – 3 and science- 3. Only one staff member has an additional specialization in Hindi, specialization in other social study subjects is not available.

The B.Ed. syllabus prepared by Barkatullah University is adopted by the department. To monitor the implementation of teaching schedule each teacher is required to maintain a teaching diary.

Practice teaching / internship is a significant aspect of a teacher education programme. Though as many as 15 institutions are identified for practice teaching, only 8-9 institutions are selected for practice teaching every year. The institutions selected may vary from year to year. The department takes due care to take permission from the school principal for placement of the students for practice teaching. One / two supervisors are posted in a school to supervise practice teaching of 6 – 15 students (depending upon the size of the school & no. of students placed). The class teacher of the schools are also requested to help in supervision work. Peer observation is used for giving feedback to the students. The lesson plans are prepared by the students after taking guidance from the teachers & executed in respective schools. The students are expected to prepare & make use of teaching – learning aids such as charts, real objects etc. in every lesson. Individual & group feedback is given by the teachers to the students.

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Students' reactions and views are also taken for further improvement of their own performance.

Value education & community work are two important components of the B.Ed. programme, because the institute follows Baba's saying "Education is not for living but for Life" The five basic human values are to be inculcated viz, Truth, Right conduct, Peace, Love and non-violence. Value education classes are held once a week on Thursday for 45 minutes. The teachers and students learn through discussion and exchange of views amongst themselves and / or by listening to the spiritual discourse by eminent people especially invited for the purpose. Discipline is considered to be of high importance in the institution, the students have a dress code, they have to be punctual, give respect to teachers, cooperate with each other, be a role model for the children in the school.

It was good to observe that community work is an important component of the B.Ed. programme. The institution has adopted a slum where the student teachers are required to teach atleast three persons one illiterate adult, one dropout from the school and one child with special learning needs.

The advisor – advisee system of the institution helps students develop their potentials optimally. Each faculty member is an advisor to 8-10 students (advisee). A close relationship between the advisor and advisee helps students resolve their academic and personal problems.

### **Criterion – II Curriculum Transaction & Evaluation**

The department prepares academic calendar in the beginning of the year, which is followed meticulously by the faculty of the department. The department functions for six hours a day for 6 days a week. Due emphasis is given to theory and practicum as per the NCTE norms.

Lecture – cum - demonstration method is used both for theory & practical components of the syllabus.

With the division of 100 students in two sections & advisor – advisee system, individual needs & potentials of the student teachers are taken care of and developed optimally. Audio – Visual aids such as TV, VCD, OHP, Cassette player & computers etc. are used to strengthen teaching learning process.

The main features of the teacher training programme are-

- Learning to know – through teaching & continuous evaluation.
- Learning to do – through microteaching, classroom teaching & co-curricular activities.
- Learning to live together – by working with the community.

- Learning to be – by developing appropriate skills & human values.
- Small group counseling through advisor – advisee system.

To ensure effective transaction of the curriculum the institution follows certain procedures such as unit teaching & continuous evaluation through monthly internal tests & feedback. Efforts are made to encourage the students for self-learning. Guided study, home assignments, project work, seminars are the other methods used for curriculum transaction & evaluation. Individualized help & guidance is given by the advisors as & when required.

Practice teaching is organized & conducted effectively in local schools. The feedback of the practicing schools regarding the discipline, punctuality, regularity & quality of the students has been good & encouraging. The students are placed in the schools for the whole day instead of only for practice teaching periods. The student teachers are actively involved in all the activities of the school besides practice teaching such as setting question papers for children, evaluation of the test papers, preparation of results, organizing cultural programmes in the school, maintaining registers etc. Preparation & use of teaching-learning aids & work experience are given due importance in the training programme. Students' performance is evaluated in these areas also. The performance of the teachers is evaluated by the self-appraisal methods.

### **Criterion III : Research, Development and Extension**

The institution conducts B.Ed. programme, and the teachers though qualified and trained do not involve themselves in research. Presently, two faculty members have registered for Ph.D. Others require guidance and motivation to conduct research. Study leave is granted to faculty members to attend seminars and workshops but they need to be motivated by giving appropriate incentives for presenting papers in the seminars and conferences rather than only attending them. Opportunities for attending orientation and refresher courses are denied by the organizing institutions due to the fact that the institution is unaided & private hence does not come under UGC purview.

The faculty and the students are actively involved in the extension work. The quality of performance of B.Ed. students in NSS activities is noticed to be much above the level of other students. The degree & sensitivity & involvement of B.Ed. students in the community work is reported to be much higher as compared to other students. The involvement of the faculty & the students with the community is commendable. The institution's efforts to sensitize the future teachers about the needs of the disadvantaged is appreciable. The craft material prepared by the students and training given to them in clay work, soft toys, and other crafts is outstanding. It is heartening to note that these activities are not only

done for the purpose of learning crafts but are taught with an objective to enable prospective teachers to transfer these skills to the children under SUPW.

#### **Criterion IV : Infrastructure & Learning Resources**

The education department has a good infrastructure. It is a part of the multi faculty college, which is spread over a land area of 19 acres. There is a separate two-storied building for the education department having an area of 296.02 sq.mts. There are separate adequately equipped educational technology & psychology laboratories as per the NCTE norms. Science & Computer Labs are shared with the students of other faculties. There are two classrooms, one work experience room & one small room for the Head of the department & the staff. The department is neat & clean & satisfactorily maintained. Furniture & other necessary accessories are adequately provided.

There is a central library in the college. There are separate stacks for 2014 books on education but mostly multiple copies of the books written by Indian authors are available. The library may procure good quality books by foreign authors also. Nine educational journals are subscribed but neither the students nor the faculty seem to refer to the journals, as they ought to.

There is no dearth of money for the library. The management is very supportive. The library has been recently computerized. A customized software has been developed for accessing the library, which is yet to be opened for the students. There are facilities for indoor & outdoor games, the Gymnasium has been created recently. There is a good neat & clean hostel facility available for the students. Presently six B.Ed. students are staying in the hostel. Hostel has an adequate no. of staff & is fairly furnished.

The education department is housed in the college campus, which is beautiful & well maintained. The B.Ed. students have been very actively involved in maintaining the gardens on the campus. A large no. of trees have been planted within the campus to prevent pollution. All the students & faculty members contribute towards the cleanliness and maintenance of the campus.

#### **Criterion V : Students Support & Progression**

The results of the students are of high standard. For past three years top 6-9 positions in the university merit list have been achieved by the students of this institution. The dropout rate is minimal i.e. 2% only. Since the department does not offer an M.Ed. course most of the students take employment, only a few go for higher studies. The students get the jobs in local schools easily because of the reputation of the institution in the city. The feedback from the students about the programme is constructively utilized for the improvement of the programme.

Deserving and needy students are provided financial help, books & study material not only by the institution but by the individual faculty also. Scholarships are received from the government for the students from the reserved category. Teachers provide guidance & counseling to the students regularly.

A number of cultural & sports activities/competitions are organized by the institution every year. The students are not only encouraged but are prepared also for participation. The Alumni association participates in the academic & cultural activities organized by the department. Students' union & societies are formed through election.

### **Criterion VI : Organization & Management**

The principal of the college holds monthly meetings with the faculty members & the HOD monitors day-to-day work of the teachers. The department seeks help from senior teachers in administrative work. Visiting faculty is invited to lecture the students on new topics. There is no grievance redressal cell in the department as they claim that there are no grievances of the students & faculty. Though the teachers are appointed as per the qualifications laid down by the NCTE they are not paid salaries as per the fifth pay commission. They get paid as per the fourth pay commission. All the other benefits such as PF deduction, PF loans etc. are given to the staff. It was noticed that each faculty member is striving to improve the quality of her teaching in the class. Most of the teachers use inductive methods of teaching. Since all their efforts are directed towards making teaching effective they hardly get time for research & publication.

The management of the institution is cooperative & supportive. All the faculty members seem to be satisfied with the management but would be happier if parity in salary could be considered by the management.

### **Suggestions & Recommendations**

1. The institution may strengthen its library with the latest books written by foreign authors also.
2. The students may be encouraged to consult journals & reference books.
3. The teachers may work as role models for the students for their academic updation.
4. The faculty may be provided guidance & support for vertical academic growth.
5. The institution requires a well planned focused vision to upgrade its standards.
6. As per the need of the students and institutions the institution may try to start M.Ed. course with the approval of the NCTE.

7. Use of innovative methods of curriculum transaction & evaluation may be adopted.
8. The faculty needs to be oriented and refreshed in research methodology to develop scientific attitude.
9. A lecture theatre to accommodate 100 / 150 students may be constructed.
10. The salary structure of the staff may be made in consonance with the recommendations of the fifth pay commission.
11. Since the management has a plan to construct a new library building, a separate wing for books / journals on education would be advisable.

The committee expresses & puts on record its sincere thanks to the management, Principal, coordinator of the NAAC steering committee, faculty, administrative & non-teaching staff, students, parents, school Principals & alumni for their interest, cooperation & support during the visit of the NAAC Peer team.

**Names & Signatures of the Peer Team Members:**

1. Prof. L.S. Rathore (Chairman)  
Former Vice Chancellor  
Jai Narayan Vyas University, Jodhpur

*L.S. Rathore*  
25.4.04

2. Prof. Smriti Swarup (Member)  
Director  
Centre of Special Education  
SNDT Women's University  
Juhu Road, Mumbai - 49

*Smriti Swarup*  
25.4.04

I agree with the observations & recommendations made in the report by the Peer Team.

*Aneeta Pande*  
(Dr. Aneeta Pande) 25.4.04  
Principal

Sri Sathya Sai College for Women, Bhopal  
**PRINCIPAL**

**Sri Sathya Sai College  
For Women, Bhopal**

*S. Gupta* 25/4/04  
(Mrs. Saroj Gupta)

HOD, Education Department  
Sri Sathya Sai College for Women, Bhopal

# NAAC Peer Team Suggestions Implemented by the Institution after the Accreditation Cycle-I

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Keeping in mind the recommendation and suggestions of the NAAC peer team the institution is constantly moving forward on the path of development & progress.

1. As per the suggestion, we have applied for grant under DST/ FIST.
2. Most of our teachers are actively engaged in research activities and more than 25% of staff completed Ph.D. They have applied/ ongoing / completed research projects. Maximum teachers regularly attend national seminars/ workshops, national & international conferences.
3. Language laboratory has been established.
4. Efforts are constantly being made to enhance student strength in U.G. and P.G. course.
5. M.Sc. Biotechnology & B.Sc. Microbiology have been introduced & new laboratories established for these courses. Add-on courses in Animation and Graphics, Fashion Designing and Communication Skills in English were conducted.
6. Latest tools for curriculum transaction and evaluation are used by faculties.
7. Entrepreneurship Development, Environmental Sciences and Computer application are now the compulsory papers in U.G. classes.
8. Girl's common room has recreation facilities, stationery store and it buzzes with activities of Health & Wellness Centre.
9. Short term courses in Martial arts and Yoga have been introduced. Our students participate in Adventure Sports regularly.
10. College has a new Central Library Building having rich collection of reference books. It has procured text books of foreign authors for Education faculty as per the suggestion of the NAAC peer team. Now, library remains open on Sundays and holidays.
11. Multipurpose Gymnasium has been established.
12. Some linkages have been established with the research institutes and university teaching departments within the state.
13. Some MOUs have been signed with research institutes / organization and teaching departments of Barkatullah University.
14. As per the suggestion of NAAC Peer Team, Department of Botany has completed two research projects on Aerobiology / Soil Microbiology & Medicinal plant. As of now there are eight research scholar pursuing Ph.D. work on medicinal plants and soil and air of forest area.
15. Feedback committee has been established that collects feedbacks from stakeholders at regular intervals.





ॐ श्री साई राम

ON SRI SAI RAM

श्री सत्य साई महिला महाविद्यालय  
**SRI SATHYA SAI COLLEGE FOR WOMEN**

(Accredited B++ by NAAC, Bangalore)

KASTURBA HOSPITAL ROAD, HABIBGANJ, BHOPAL - 462 024

Phone : 0755-2451119 / 2456308

Fax : 0755-2456308, E-mail : ssswcbhopal@yahoo.co.in

Website : www.srisatyaiaiedubpl.org

NO.: SSSC\ 173 \ 1349

DATE: 23/1/15

**DECLARATION**

I certify that the data included in the Self Study Report (SSR) are true to the best of my knowledge. This SSR is prepared by the institution after internal discussion, and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

*S. P. Singh*  
23.1.15

Signature of the head of the institution

Place: Bhopal

Date: 23/01/2015

## Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that SRI SATHYA SAI (Name of the institution) fulfils all norms COLLEGE FOR WOMEN - BHOPAL.

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date:

Place: BHOPAL.



Sudha Pathak

**Principal/Head of the Institution**  
(Name and Signature with Office seal)

Dr. (Smt) Sudha Pathak  
Principal  
Sri Sathya Sai College for Women  
BHEL, BHOPAL



*Annexure*

 बरकतउल्ला विश्वविद्यालय, भोपाल 

कमांक 2013 / अकादमी/संबद्धता/13 स्पीड-पोर्ट भोपाल, दिनांक 24-2-13

प्रति,  
प्राचार्य  
शैक्षणिकीय सत्यसाई स्त्री महाविद्यालय  
सतपुड़ा बिल्डिंग, क.पी.ए. भोपाल

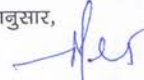
विषय:- सत्र 2013-14 हेतु स्थाई/अस्थाई संबद्धता निरंतर करने विषयक ।

महोदय,  
विद्वत् परिषद की स्थाई समिति की बैठक दिनांक 10.05.2013 तथा कार्यपरिषद की बैठक दिनांक 14.05.13 में अनुमोदनोपरान्त आपके महाविद्यालय में संचालित पाठ्यक्रमों की स्थाई/संबद्धता/निरंतरता निम्न शर्तों के साथ प्रदान की जाती है :-

1. B.Com II-II - 30 seats with C.A. - 200 seats;
2. B.Sc. III - Ec. Zool. Chem. Math. Phy. Boty. Proth. CS. Min. Zool. 200 seats;
3. B.Sc. III - Home Sci. 50 seats; M. Com. P.T. 10
4. B.A. II-II - Ec. Hindi Lit. English Lit. Math. Histy. Pol. H.C. Psy. S.K. Eco. Scatlg. Publ. Py. Mus. 100 seats;
5. P.P.C.A. - 30 seats. B.A. - 60 seats;
6. M.A./P. Pol. Histy. Hindi Englu. 40 each. Subj.;  
M.Sc./P. Math. Chem. Zool. Proth. CS. 25 seats each.  
B.Ed. - 100 seats


शर्तें:-

1. आपको स्थाई/अस्थाई संबद्धता निरंतर हेतु आगामी सत्र 2014-15 के लिये निर्धारित शुल्क के साथ निर्धारित आवेदन पर आवेदन करना होगा ।
2. आपको विश्वविद्यालय परिनियम 27 एवं 28 की परीक्षा अध्यादेश कमांक 5,6,7 का पालन करना होगा, जिसे आप विश्वविद्यालय से प्राप्त कर सकते हैं ।
3. आपको शासी निकाय की नियमित बैठकों के कार्यवृत्त जिसमें विश्वविद्यालय के प्रधिनिधि उपस्थित हो तीन माह तक अवश्य रूप से प्रस्तुत करने होंगे ।
4. महाविद्यालय का आय-व्यय पत्रक चार्टर्ड एकाउंटेंट से सत्यापित करवा कर प्रस्तुत करना होगा ।
5. महाविद्यालय का स्वयं का भवन होने संबंधी प्रमाण पत्र एवं शासन की अनुमति प्रस्तुत करना होगा ।
6. उपरोक्त शर्तें पूर्ण न होने पर संबद्धता निरस्त की जा सकेगी

आदेशानुसार,  
  
उप-कुलसचिव अकादमी  
भोपाल, दिनांक 24-2-13

पू 0 कमांक 2013 / अकादमी/संबद्धता/13  
प्रतिलिपि:-

1. अतिरिक्त संचालक, आयुक्त, उच्च शिक्षा विभाग सतपुड़ा भवन भोपाल ।
2. संचालक, उच्च शिक्षा विभाग सतपुड़ा भवन भोपाल ।
3. उपसचिव उच्च शिक्षा विभाग म.प्र. शासन मंत्रालय वल्लभ भवन भोपाल ।
4. उपकुलसचिव/गोपनीय/परीक्षा बरकतउल्ला विश्वविद्यालय भोपाल ।  
कुलपति/कुलसचिव के निजी सहायक के माध्यम से सूचनार्थ ।

  
उप-कुलसचिव, (अकादमी)

Sub-E/Sec for...  
2/24/13  
15.5.14


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Revised Annex. 1.1 (6)

राष्ट्रीय अध्यापक शिक्षा परिषद्  
(एक राज्य का एक शिक्षक संघ) )  
पश्चिम क्षेत्रीय समिति



गुरुकुलानुसंधान  
NCTE

National Council for Teacher Education  
(A Statutory Body of the Government of India) D-6  
Western Regional Committee

TO BE PUBLISHED IN THE GAZETTE OF INDIA – PART-III, SECTION-IV

No. WRC/5-6/2k/ 357 Date: 15 JAN 2001

**ORDER**

In exercise of the powers vested under section 14(3) (a) of the National Council for Teacher Education (NCTE) Act, 1993, the Western Regional Committee grants recognition to **Shri Satya Sai College for Women, Habibganj, Bhopal** for B.I.J. course of one year duration from the academic session 2000-2001 with an annual intake of 100 students, subject to fulfilling the following conditions:

1. The institution shall appoint within a period of one year two additional teaching staff possessing the academic qualifications as laid down in the NCTE norms, the salary structure prescribed by the State Government.
2. All such teachers already appointed who do not fulfil the NCTE norms shall acquire the qualifications as per the norms within a period of two years of this order.
3. The institution shall ensure library, laboratories and other instructional infrastructure as per the NCTE norms.
4. The admission to the approved course shall be given only to those candidates who are eligible as per the regulations governing the course and in the manner laid down by the affiliating university/State Government.
5. Tuition fee and other fees will be charged from the students as per the norms of the affiliating university/State Government till such time NCTE regulations in respect of fee structure come into force.
6. Curriculum transaction, including practical work/activities, should be organised as per the norms and standards for the course and the requirements of the affiliating university/examining body.
7. Teaching days including practice teaching should not be less than the number fixed in the NCTE norms for the course.
8. The institution, if unaided, shall maintain endowment and reserve fund as per NCTE norms.
9. The institution shall continue to fulfil the norms laid down under the regulations of the NCTE and submit to the Regional Committee the Annual Report and the Performance Appraisal Report at the end of each academic year. The Performance Appraisal Report should inter alia give the extent of compliance of the conditions indicated at 1 to 8 above.

P.T.O.


Our previous order No. WRC/5-6/96/3868 dt. 08.06.2000 is hereby cancelled

मानस भवन, श्यामला हिल्स, भोपाल-462 002 Manas Bhawan, Shyamla Hills, Bhopal-462 002  
दूरभाष/Phone: 660912, 739672 फैक्स/Fax : 0755-660912 E-mail nctebhpl@bom6.vsnl.net.in

Recd today. Shri Gopal Jan 15/2001  
19/1/2001  
Arun  
19/1/2001

Annex-1.1-(6)

**राष्ट्रीय अध्यापक शिक्षा परिषद्**  
(मानव संसाधन का एक विधिक संस्थान)  
पश्चिम क्षेत्रीय समिति

  
एन सी ई  
NCIE

**National Council for Teacher Education**  
(A Statutory Body of the Government of India)  
Western Regional Committee

-- 2 --

If Shri Satya Sai College for Women, Habibganj, Bhopal contravenes the provisions of the NCTE Act or the rules, regulations and orders made or issued thereunder or fails to fulfil the above conditions, the Regional Committee may withdraw this recognition under the provisions of Section 17(1) of the NCTE Act.

By order  
Regional Director


Code- 

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The Manager,  
Government of India,  
Department of Publications, (Gazette Section)  
Civil Lines,  
Delhi 110054.

C.C.

1. Secretary, Department of Elementary Education and Literacy, Ministry of Human Resource Development, Government of India, New Delhi.
2. The Principal Secretary (School Education), Government of Madhya Pradesh, Mantralaya, Bhopal.
3. The Member Secretary, National Council for Teacher Education, New Delhi - 110 016.
4. The Registrar, Barkatullah University, Bhopal.
5. The Principal, Shri Satya Sai College for Women, H.E.Hospital, Habibganj, Bhopal-462024.

  
Regional Director

मानव संसाधन, 7 वागला हिल्स, भोपाल-462 002 Manas Bhawan, Shyamla Hills, Bhopal-462 002  
दूरभाष/Phone: 660912, 739672 फेक्स/Fax :0755-660912 E-mail nctebhpl@bom6.vsnl.net.in



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्  
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**  
An Autonomous Institution of the University Grants Commission

## *Certificate of Accreditation*

*The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the  
Sri Sathya Sai College for Women (Department of Education)  
Bhopal, affiliated to Barkatullah University of Madhya Pradesh as  
Accredited  
at the B\*\* level.*

*Date: May 03, 2004*

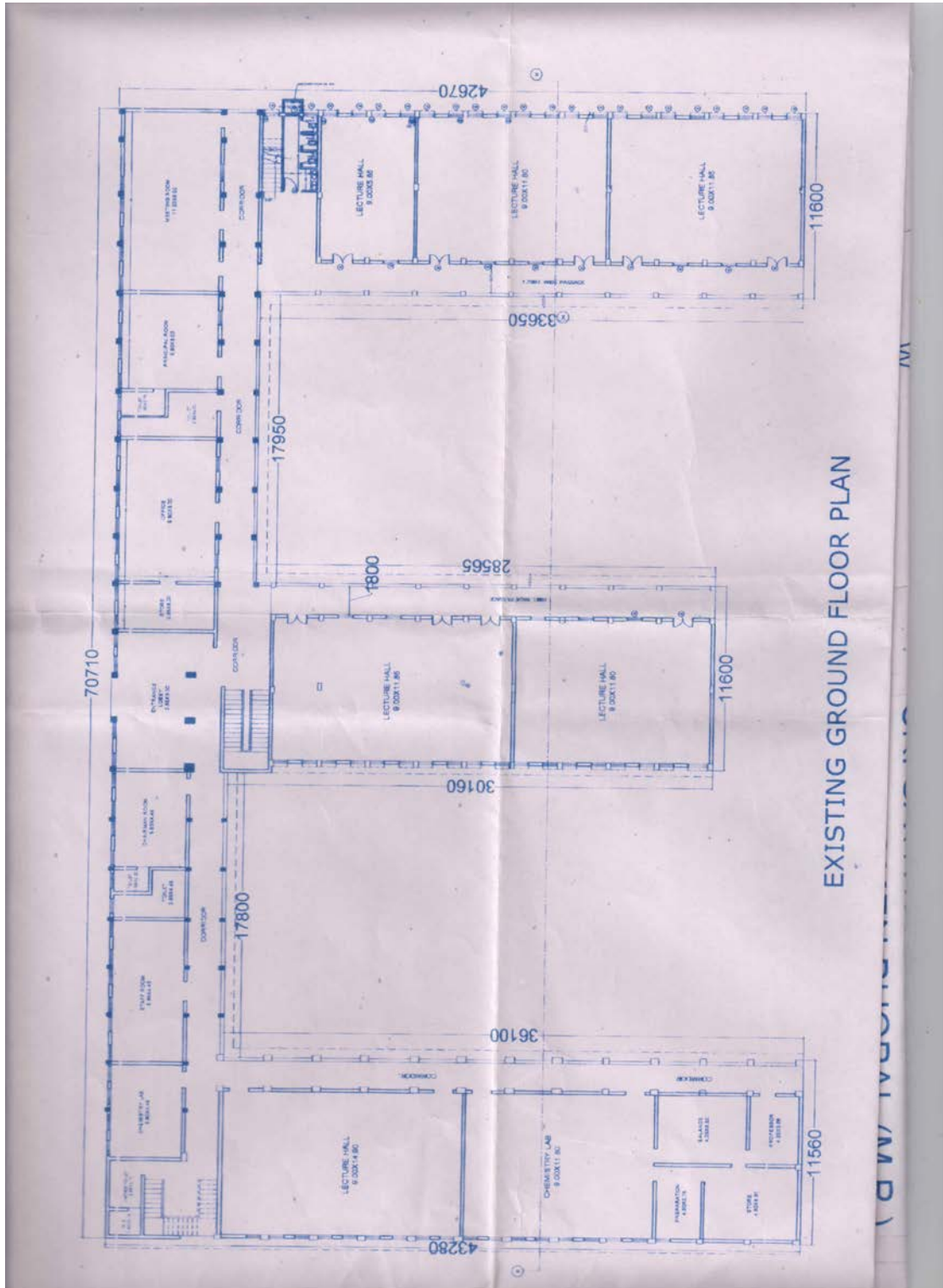


*Wasal  
Director*

- This certification is valid for a period of Five years with effect from May 03, 2004
- An institutional score (%) in the range of 55-60 denotes C grade, 60-65 - C\* grade, 65-70 - C\*\* grade, 70-75 - B grade, 75-80 - B\* grade, 80-85 - B\*\* grade, 85-90 - A grade, 90-95 - A\* grade, 95-100 - A\*\* grade (upper limits exclusive).

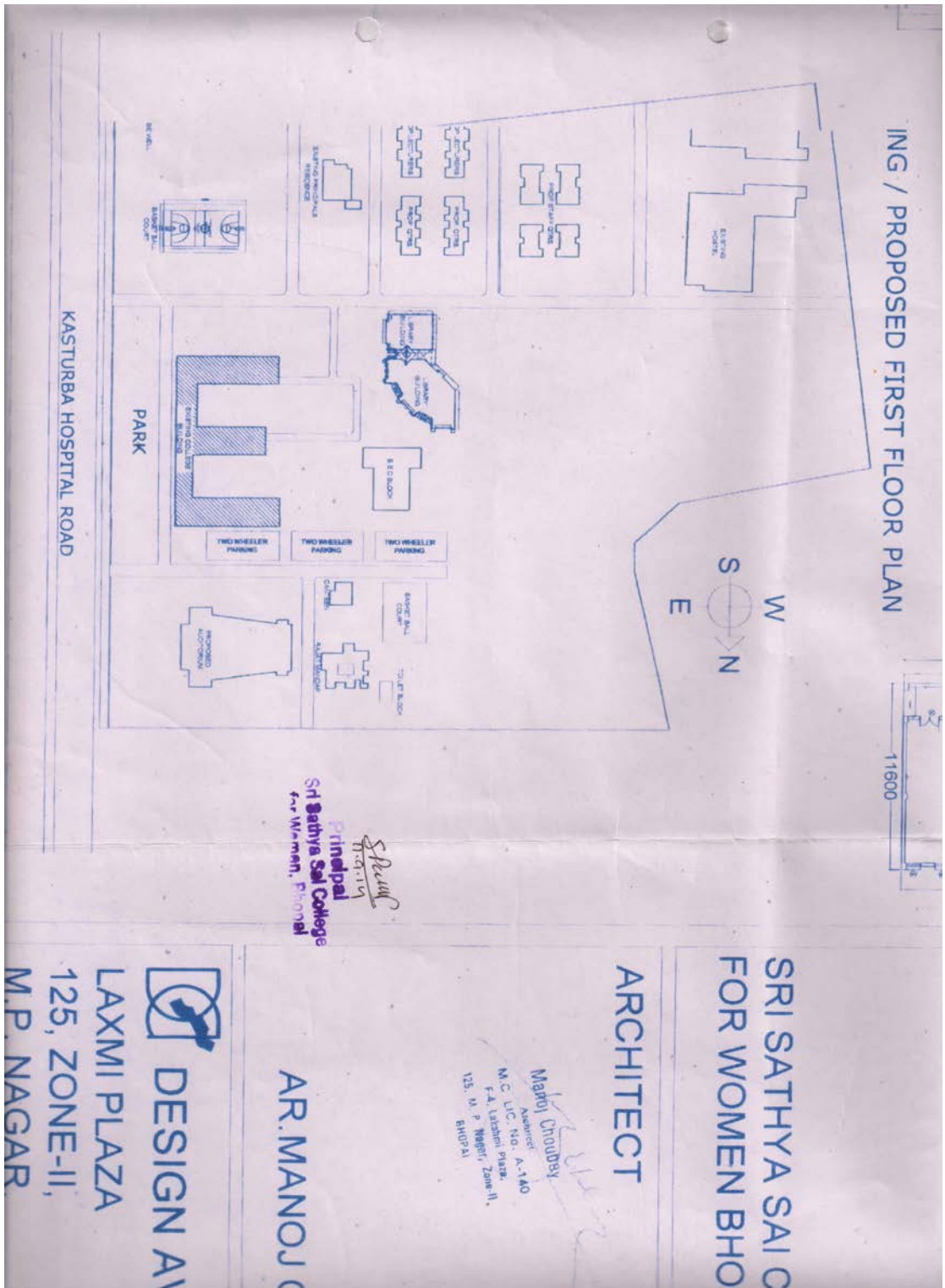












**SRI SATHYA SAI COLLEGE FOR WOMEN**

BALANCE SHEET AS AT 31 MARCH 2014

<b>LIABILITIES</b>	<b>Schedule</b>	<b>Rs. AS ON 31.03.2014</b>	<b>Rs. AS ON 31.03.2013</b>
<b>GENERAL RESERVE FUND</b>	<b>1</b>	5,31,52,317.07	5,56,13,536.98
		<b>5,31,52,317.07</b>	<b>5,56,13,536.98</b>
Caution Money	2	35,41,387.00	33,81,621.00
Earmarked Funds	3	33,03,768.50	37,16,520.50
Security Deposit	4	1,07,787.00	63,587.00
Current Liabilities & Provision	5	59,64,985.50	66,25,597.50
<b>TOTAL</b>		<b>6,60,70,245.07</b>	<b>6,94,00,862.98</b>
<b>ASSETS</b>			
<b>Fixed Assets</b>			
Gross Block	6	1,78,80,902.89	2,02,63,253.33
Less : Depreciation		22,11,405.24	30,92,595.44
Net Block		<b>1,56,69,497.65</b>	<b>1,71,70,657.89</b>
<b>Current Assets, Loans &amp; Advances</b>			
Lab Chemicals(SC.)		76,348.50	80,038.50
Endowment Fund Deposit		9,20,000.00	9,20,000.00
Fixed Deposits	9	2,05,90,679.05	2,15,89,126.92
Cash & Bank Balances	7	85,88,842.87	68,64,811.67
Deposit & Receivable	8	2,02,24,877.00	2,27,76,228.00
<b>TOTAL</b>		<b>6,60,70,245.07</b>	<b>6,94,00,862.98</b>
Notes to Accounts and Accounting policies	16	0.00	0.00
Schedules 1 to 17 form integral part of accounts			

President

Secretary

Bhopal  
05/06/2014

*S. Prasad*  
Principal  
Sri Sathya Sai College  
for Women, Bhopal

As per our report of even date

For Shivnandan Agrawal & Co:  
Chartered Accountants  
Firm Reg. No: 004463C

*Shivnandan*  
Shivnandan Agrawal  
Partner  
Membership No: 073415

## SRI SATHYA SAI COLLEGE FOR WOMEN

## INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2014

INCOME	Schedule	RS. AS ON 31.03.2014	RS. AS ON 31.03.2013
Fees and Other Collection	10	2,01,90,614.00	2,18,09,736.00
Other Income	11	98,17,747.83	95,55,671.57
Hostel a/c	17	2,59,034.00	-1,47,593.00
<b>EXPENDITURE</b>		<b>TOTAL</b>	<b>3,02,67,395.83</b>
Payment and Benefits to Employees	12	2,48,47,859.00	2,32,54,250.00
Computer Expenses	13	4,26,175.00	1,53,072.00
Laboratory Expenses		37,936.00	19,473.00
Office, Administrative & Other Expenses	14	33,27,457.50	28,69,858.93
Repair & Maintenance	15	18,77,783.00	11,50,132.00
Depreciation	6	22,11,405.24	30,92,595.44
		<b>TOTAL</b>	<b>3,27,28,615.74</b>
<b>EXCESS OF INCOME OVER EXPENDITURE</b>		<b>(24,61,219.91)</b>	<b>6,78,433.20</b>

President

Bhopal  
05/06/2014

S.P.M.V.  
Principal  
Sri Sathya Sai College  
for Women, Bhopal

Secretary

As per our report of even date

For Shivnandan Agrawal & Co:  
Chartered Accountants  
Firm Reg. No: 004463C

Shivnandan Agrawal  
Partner  
Membership No: 073415