

# **SELF-STUDY REPORT**

*Submitted to:*

**NATIONAL ASSESSMENT & ACCREDITATION COUNCIL  
(NAAC)**



## **BHILAI MAHILA MAHAVIDYALAYA**

**( Managed by Bhilai Education Trust )**

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## PREFACE

Education leads an individual from darkness of ignorance to the light of knowledge and helps in the all round development of a person. It facilitates the growth of a nation and overall development of the society.

Inherently each one of us has the substance within, to achieve our goals and dreams. What is missing is the training, the guidance and the insight to use what we already have. It is now widely recognized that the continuing lack of women education and empowerment has had a delirious impact in several areas but is also acknowledged that an acceleration in programmes for women education can lead rapidly into their empowerment with all the resultant advantages to our society.

In the context of the steel city of Bhilai, which had all the basic amenities and facilities for its residents, till late 1970s, the lack of an educational institution for women used to compel many parents to send their daughters to other cities for higher education. The educationists, intellectuals and industrialists of the steel city got together and formed Bhilai Education Trust to sow the tiny seed of this prime institution namely the Bhilai Mahila Mahavidyalaya, Bhilai Nagar three decades ago.

The College had a humble start in 1979, with just two faculties of Science and Home Science run in the two rooms of a local girls school run by Bhilai Steel Plant, with a handful of students, four teachers and a Principal. The foundation of college building was laid by the Honourable Chief Minister of Madhya Pradesh Shri Virendra Kumar Sakhlecha on 3<sup>rd</sup> Nov, 1978. The college shifted to its present independent, self contained building constructed on an area of 14 acres of land given by Bhilai Steel Plant situated on the main route between the township of Bhilai and Durg, which is easily accessible even to the students commuting by the public transport. Monitored and guided by the Bhilai Education Trust, Pt. Ravishankar Shukla University, Raipur and Department of Higher Education, Govt. of Chhattisgarh, Raipur and supported by the tireless efforts and efficiency of the dedicated staff and talented students, the institution has grown from a tiny sapling to a mighty tree, with its deep roots and branches spread over diversified fields of activities. In the span of these three decades and more, the strength of students has gone up to almost 1700 and that of the staff to almost 100. The college is recognized under Section 2 (f) and 12(B) of the UGC Act, 1956.

Bhilai Mahila Mahavidyalaya is an ambitious, innovative and progressive institution which is developing physical character, reflecting genuine quality of educational services, energetic and stimulating environment for girl students to achieve their goals within a short time. The college has earned a prestigious name in academic field and grown both qualitatively and quantitatively as reflected, year after year, in the merit list of Pt. Ravishankar Shukla University, Raipur along with the laurels brought by its students in the field of sports, extra-curricular and co-curricular activities. The college can boast of producing a distinguished alumni, thus playing a vital role in registering continuous success and strengthening its contribution to women education.

## EXECUTIVE SUMMARY

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**This philosophy is the soul of education. It is a combination of Virtue, Value and Vailidity of human life.**

We are living in an era in the which the human civilization is on the threshold of one of the greatest scientific revolution – the nano-bio –info revolution . Our own country is on the road of rapid economic and scientific progress. We are on the path of rediscovering our past glory and leadership.It is our firm belief that **HOLISTIC EDUCATION**, commitment to profession and the country, continued updating of skills and in depth knowledge are the means of attaining this. Development of any country is based on the development of its citizens and citizens are developed by educational institutions. Higher education adds value to the socioeconomic behaviour of human beings and this depends on the quality of inputs extended to the students during the process of imparting education. The development of any organization is a combined result of its planners, administrators, educationists and the response of the society at large.

Education empowers individuals to take not only their own decisions but also prepare them to fulfill their diverse responsibilities in life and here comes the role of an educational institution. The main contribution of an institution is to impart quality education and create good citizens through its curriculum.

The onus of marching ahead on the path of excellence, innovation and creativity in the spread of quality education is the responsibility of the entire family of **Bhilai Mahila Mahavidyalaya** , because we all believe in the immortal message of **Gurudev Rabindra Nath Tagore** which says -“No lamp can spread light unless it itself is burning.”

The new generation will have to learn to develop, to acquire to simulate and to apply the new knowledge for a sustainable future.

**Good teachers make good institutions,**

**Good institutions make good students,**

**Good students make good citizens,**

**Good citizens make good Nation.**



## **CRITERION I: CURRICULAR ASPECTS**

The College has throughout been the most sought after institution of the town and the nearby areas affiliated to Pt. Ravishankar Shukla University Raipur. The College follows the syllabus prescribed by the affiliated university.

The university from time to time keeps changing and framing the syllabus so that the students are prepared accordingly to meet the challenges of the times.

The college aims to uplift even those students coming from the nearby rural and under privileged areas by providing holistic and need based education to these women folk.

It strives to attain excellence in all fields and spheres and makes efforts to convert its mission and goals through various means and modes like the college prospectus, meetings, interviews, teachers, classes and various curricular and co-curricular activities. A highly qualified teaching staff is actively involved in ensuring quality education.

The College offers undergraduate courses in three faculties Science, Home Science and Commerce and Postgraduate courses in **11** subjects namely BioTechnology, Botany, Chemistry, Commerce, Computer Science, Human Development, Maths, Microbiology Physics, Textile and Clothing, Zoology and Vocational courses in PGDCA and Bachelor of Education. All PG courses excepting Human Development are Self Financing in nature.

Many of the staff members of the institutions are Members of Board of Studies who are actively involved in the curriculum designing of Pt. Ravishankar Shukla University Raipur, which is periodically reviewed and revised.

Seminars, Workshops and talks by eminent speakers are organized from time to time to enlighten and acquaint the staff and students about the advancement in various areas to cope with the challenges of the world outside and the job market.

The college extends additional coaching to the students who are academically weak in the form of Remedial Classes, sponsored by UGC. The teachers also take extra classes as and when required and provide counseling and mentoring to the students.

Curricular and extracurricular enrichment is facilitated through the formation of various societies and associations so that the students can discover and hone their abilities and talents.

The societies not only inculcate a sense of responsibility but also train the students to respect the feelings and emotions of others.

Sports and games find a very important place in the institution inculcating in the student a healthy team spirit and the importance of fair play, discipline and endurance. The IQAC cell, the staff council and departmental meetings appraise the performance and feedback of the students and make suggestions for all round improvement thus making the institution a premier centre of higher education for women. The goals and objectives are enforced into the academic curriculum to the maximum possible to ensure that the expected outcomes are achieved to their utmost.

## **CRITERION II: TEACHING, LEARNING AND EVALUATION**

The College aims to impart all round development that focuses on social, emotional, spiritual and aesthetic development of every student so that they emerge into the world as women of substance.

Admission is given to the students on the basis of the marks obtained in their qualifying exams and separate merit list is prepared for SC/ST/OBC/General students. The students are counseled by the senior faculty regarding their choice of subjects and finally admitted in the respective faculty after a one to one interaction with the Principal.

- The college follows the reservation policy in accordance with the rules of the State Government and Pandit Ravishankar Shukla University, Raipur. There is a provision for reservation as per Government rules for SC- 12%, ST- 32% , OBC- 14% and Physically challenged students – 3%.

A greater demand for Commerce and Science subjects has always been observed. The college believes in giving equal opportunities to all students and also organizes orientation courses for facing competitive exams.

The needs of advanced learners are encouraged through multiple options of assessment and evaluation. Special attention is given to students with special needs along with economically and socially weaker students.

The conventional lecture method is normally adapted for teaching but supplemented through participation of students in group discussions, question hour sessions and seminars

presentations. Field trips, workshops, educational tours, practical assignments, group discussions and extensive use of ICT enrich the learning experience of the students. Add on courses are also offered to upgrade the knowledge and skill of the students. Workshops, Seminars, Surveys, dissertation are an integral part of the academic activities. The college has set up a Smart classroom with all necessary facilities.

Students' performance is regularly assessed and evaluated through tutorials test, assignments, projects and practicals. Students are counseled and mentored under tutor ward system and the IQAC ensures quality enhancement.

Highly qualified and competent teaching faculty is recruited to ensure high quality education. The selection of Permanent Staff has been done by the selection committee constituting of a member from the University, State Government and College Management through interview and the selection of the adhoc staff is done by the Management as per UGC guidelines. Presently the college has **17** permanent teachers, a sports officer and a librarian appointed by UGC along with **17** teachers appointed under Statute 28 and 10 teachers appointed by the Management. The Management appoints and substitutes staff as and when need arises and additional faculty is appointed to teach the new programs. Presently it has **32** such teachers on roll and **32** employees working as non teaching staff. The college has **14** teachers with M.Phil and **20** with Ph.D. Our teachers have also received awards and recognitions in the academic and other fields. Several of the teachers have had their papers published in their respective subjects along with their participation in National and International Seminars and Conferences where they have presented papers on varied subjects.

The College arranges On Job training programs for students in Microbiology, Biotechnology, and Computer Science alongwith placement opportunities in IT and concerned companies.

### **CRITERION III: RESEARCH AND CONSULTANCY**

The development of any institution is not possible without the contribution of its faculty and students to research activities.

The promotion of research culture in our institution is activated through availability of free access to internet, library facility, subscription to journals and e-journals through **N-LIST**. Dissertations, Industrial Trainings, Summer Trainings and Project Work which are important parts of the PG curriculum help the students to inculcate the Research Culture.

The Faculty Development Programmes and workshops for faculty help them in their research pursuits. Conferences and Seminars are organized annually in various subjects. The college has already conducted **7** Conferences and **8** Workshops in different subjects.

The faculty is encouraged to pursue higher studies/research work. Currently 20 of our teachers have completed their Ph.D. and 5 are enrolled for it.

The field trips and extension activities make the students aware of the Institutional Social Responsibility and Commitment and several extension activities conducted have initiated the students to serve the society and promote social consciousness. The N.S.S. units have helped the surrounding villagers by spreading awareness regarding Literacy, Health, Hygiene and Environmental Pollution, Human rights etc. Blood donation camps and awareness camps regarding causes and prevention of AIDS have also been organized. The College collaborates with a number of clubs and associations at different levels in attaining common objectives of educational and social services.

The Placement cell collaborates with numerous renowned companies who visit and interview the students in and out of the campus periodically and a large number of students find placement with them.

#### **CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**

The better the physical infrastructure and surroundings the more congenial it is to impart quality education to the students and give them a homely atmosphere. This also helps the Institution to maintain its standards and provide sufficient opportunities to cater to the innumerable needs of its students.

Spread over a sprawling campus of 14 acres the college can boast of possessing a double storeyed building since 1982 with a number of Class rooms, Laboratories, Library and Computer Department. The College also has a Botanical garden where specific plants required by the Botany department for their practicals are grown. It also has a lush green lawn inside the campus with a beautiful nursery with seasonal plants and flowers to add to its beauty. Making the surroundings eco-friendly tall shady trees surround the boundary wall of the campus. The College is in proud possession of an auditorium cum gymnasium. It is so designed that it can be used not only for indoor games but has a seating capacity of around 800 persons where cultural activities can also be organized.

The air conditioned Computer lab has about 50 computers with all the necessary software support and connected through LAN and Internet. Other than B.Sc. in Computers, BCA and PGDCA, the computer department imparts special computer training to the B.Sc. (Home Science) and B.Com. students as an additional subject.

ICT facilities are available to all teachers. Quite a many Labs have their own OHP/LCD, Laptops, Desktop computers, white boards and other required apparatus. All the labs have their Lab attendants other than the subject teachers who see to it that the labs are sufficiently equipped and maintained.

The well arranged air conditioned, and partially computerized library has around 28,600 books and 32 Journals with a seating capacity of 80 students. The library also has 1 multiseat system of 10 computers and 2 desktops. The library ensures the acquisition of latest edition of books and publications by accessing various websites, catalogues and book reviews etc. as per the recommendations of the library advisory committee.

The College has subscribed to National Library and Information Services Infrastructure of Scholarly content (N-LIST) programme of the **INFLIBNET** Ahmedabad. The Librarian and Library staff are well trained and readily provide help and information to the users.

The College ensures regular maintenance and upkeep of all infrastructural facilities. The maintenance work is carried out by trained in house experts and also outsourced to other appropriate agencies. Furniture and equipments are regularly purchased to keep the infrastructure upgraded.

The College also has quite a few support services in the campus. The hostel houses more than 100 girls every year and has a dining hall, a kitchen and a common room. Important festivals and various occasions are celebrated by the hostellers with full fervor and enthusiasm. The college students and hostellers when need arises are taken to the adjacent JLN Hospital run by Bhilai Steel Plant if the situation gets beyond utilizing the First aid facility available in the institution.

The College has earned a name for itself in the arena Sports and Games as well. It has facilities to organize Basketball, Throwball, Kho-kho, Kabaddi, Hockey and Volleyball tournaments in its campus on the sprawling grounds.

Though the college has only one Sports officer she is helped by the other staff when need arises. Special coaches are invited to coach the students before they participate in the Inter University or Inter State tournaments.

The college has taken up significant expansion work by building additional class rooms, toilets for staff and students, various blocks, as well as expansion of library.

#### **CRITERION V: STUDENT SUPPORT AND PROGRESSION**

Students being the primary Stakeholders, the College ensures their all round development so that they can contribute to the National development in return.

The college admits students from all social milieus and tries to empower them through regular mentoring and counseling to face the challenges of life and become responsible citizens of the country.

The strength of the college has varied from 1300-1700 in the last few years being 1659 this year which includes both UG and PG students. Students coming from other states also seek admission in addition to the local and other students coming from near by areas having cleared their XII class exam through either C.G. or Central Board.

The students are given the College Brochure at the time of admission comprising of all details about the Institution, admission procedure, rules, fee structure and achievements of the students in various areas.

The senior students of the various faculties organize Welcome functions for the Freshers where they are oriented by the Principal and their respective Heads of Department.

The Principal, the Professor Incharge of Students Union and Heads of Departments are always ready to listen to the personal, career and academic related problems of the students and try to help them. The College provides financial support to the students belonging to SC/ST/OBC sections in the form of scholarships of State Government and other agencies.

Many of our students are also availing the advantages of Merit scholarship sponsored by various agencies. Fee concession and Book bank facilities are given to financially weak students.

The anti ragging committee ensures a conducive and secure environment for the freshers.

Prizes on the Annual day function are given to meritorious students and those excelling in the field of sports, co-curricular and extra curricular activities. Special support is also imparted to slow learners and those who need additional help, through a variety of sources such as remedial and extra classes.

The overall pass percentage of the students has been 70% in UG and 90% in PG level. Many of our students are placed in the merit list of the Pt. Ravishankar Shukla University Raipur every year with quite a many adorning the first position. Majority of students get first division with distinction. About 90% of students progress from UG to PG, 9 % from PG to Research and 35 % from PG to employment. The drop out rate has been only 10%. During the last five year three of our teachers and two of our students have cleared NET and SLET exams.

The College has an IQAC cell to promote and control quality initiatives. Recreational, Cultural and Sports facilities are extended to the students in which the students participate actively in various competitions and programmes are conducted to bring out the hidden talents of the students. Our college students have brought laurels in various Intercollegiate, State and National level competitions in sports, co-curricular and extra-curricular activities.

#### **CRITERION VI: ORGANIZATION AND MANAGEMENT/GOVERNANCE AND LEADERSHIP**

Following the mission of the institution, the Management, Principal Teaching and Non-Teaching Staff are well aware of their responsibilities and duties and carry them out sincerely. Their concern and commitment to the goals of higher education are evident through their efforts of utilizing the resources and introducing Vocational and Job oriented courses.

The Governing Body consists of Managing Trustee- Bhilai Education Trust (Chairman, Bhilai Mahila Mahavidyalaya) who is nominated by Bhilai Steel Plant, two nominees of Foundation Society, two Trustee members, Secretary- Bhilai Education Trust, Principal-Member Secretary, one Representative of Higher Education Department, Government of Chhattisgarh, Raipur, two University Representatives and two Teacher Representatives. Various committees are constituted by the Principal that carry out various activities and duties deputed to them. The Teaching and Non Teaching staff is appointed as per UGC rules and Management criteria.

As for the financial resources the College gets Grants in aid from the State Government, collects fees from the students and generates resources from Self Financing courses. During 2013-14 the college received an amount of Rupees **1, 82,88,570/-** as Grant in aid and Rupees **5,96,73,219/-** from Government of Chhattisgarh towards salary and arrears .

The College was sanctioned Development Assistance of – (1) **Rs. 4.25 Lac in 2012 - 2013**, (2) **12.95 Lac in 2013 - 2014** by UGC for XII Plan. The Annual budget is prepared which is approved by the Management and the accounts audited annually by Chartered Accountants appointed by the Management .The accounts of UGC grants are also audited and the utilization certificate issued by the Chartered Accountants are sent to the CRO, UGC Bhopal.

The governance of the college is based on the principles of transparency, flexibility and innovation. The HODs and IQAC monitor the quality of annual teaching learning process while the Management supervises the overall administration.

The Principal interacts with the Teachers, Parents and Students and seeks formal feedback on various aspects including teaching-learning evaluation and extending facilities and other provisions.

The HODs of various departments provide detailed information regarding the functioning of their respective departments.

The College Staff plays an important role in ensuring quality functioning of academic and administrative units of the college for which it has proposed a number of best practices in various fields of institutional functioning. Committees have been setup to take care regarding the improvement in many areas. It analyses the feedback and recommends suitable measures for positive results.

The Principal and HODs give suggestions and guidance for the betterment of the departments and also encourage them for growth and improvement.

## **CRITERION VII: INNOVATIONS AND BEST PRACTICES**

The Teaching staff always makes efforts to set the right precedent for the students in terms of hard work, conduct and punctuality. The teaching and non teaching staff consistently assures that the administrative functions of the college are also discharged with full dedication. The institution lays stress not only on academic achievements but also on personality



development and general conduct of the students through sports , extra-curricular, co-curricular and social activities.

The NSS units have been working over the years with a sense of social service and serving and guiding the villagers in varied ways. The Placement cell of the institution has been apprising the students about the job opportunities in the different arenas and also training the students to face interviews against campus selection. A few of our students have also been picked up for Placement by different IT firms and sent for pursuing M.S. Degree from BITS, Pilani. Various National and religious festivals are observed and celebrated both by the college students and hostellers for better communal harmony and to understand the significance of the occasions. In its quest for excellence the college has contributed in all fields over the years and made up a name for itself.

**GOVERNING BODY**  
**Bhilai Mahila Mahavidyalaya, Bhilai Nagar ( C.G. )**

S.No.	Name	Occupation	Designation
1	Dr. S. Hiran	Dir.I/c(M&HS)BSP	Managing Trustee, BET & Chairman, BMM
2	Shri Veenu Jain	Chairman, BEC Group	Patron, BET
3	Shri Arvind Jain	M.D., BEC Group	Trustee Member, BET
4	Shri K.Patel	Advisor , NECO	Trustee Member, BET
5	Shri Surendra Gupta	DGM (PPE),BSP	Secretary, BET
6	Dr. B. Subramanayam	Deputy Director	Rep. of Higher Education (C.G.)
7	Dr. Sanjay Tiwari	HOD, SOS in Electronics	University Rep. ( Pt. R.S.U. Raipur )
8	Dr.Shampa Choubey	HOD, History, DBPG College, Raipur	University Rep.
9	Dr. Zehra Hasan	Principal, BMM	Member Secretary
10	Dr. S. M. Mohan	Asst. Prof Home Science	Teacher's Rep.
11	Smt. P. Claudius	Asst. Prof., Physics	Teacher's Rep.

## SWOC ANALYSIS

The analysis of our Strengths, Weaknesses, Opportunities and Challenges.

### OUR STRENGTHS

- The only Girls College of Chhattisgarh having all Female Teaching Staff and catering to all strata of society.
- The college is located in the centre of Bhilai-Durg twin city, easily accessible by road and public transport.
- Transparent admission policy, strictly adhering to the directives of the Department of Higher Education, Government of Chhattisgarh, Raipur and the affiliating University, Pt. Ravishankar Shukla University, Raipur.
- Aims at inclusive growth of the girl students belonging to all strata of society.
- Aims at capacity building of the student community at large.
- Students are sent for Field visits and Excursions.
- We try to maintain the Teacher Student Ratio of 1:20 almost every year.
- An experienced and dedicated Teaching Fraternity engaged in upgrading themselves.
- A healthy, harmonious and team work culture.
- Caters to the marginalized sections of society in arranging funds for fees from social organizations.
- Guest Lectures, Workshops, Seminars and Conferences are organized regularly.
- Students are awarded scholarships from Sitaram Jindal Foundation, New Delhi, SHE, INSPIRE and other schemes of Govt. of India and Govt. of Chhattisgarh.
- Fees concession given to students participating in state Level and National Level sports, co-curricular and extra-curricular activities.
- A moderately good GIRLS HOSTEL for students from within and outside the state.
- A Generator.
- A Gymnasium cum Auditorium nearing completion.
- Relatively good infrastructure.
- The college has availed National Knowledge Network connectivity from April, 2012.  
The College applied for 10 Mbps Broadband Over Virtual Private Network (BBoVPN) under “National Mission on Education through Information and Communication Technology” (NME-ICT) scheme of MHRD, Govt. of India and was granted the same w. e. f. April, 2012.

- A good library with Internet Connectivity and INFLIBNET: N-LIST Ahmedabad.
- Its relatively excellent results ever since the inception of the college i.e. from 1979 onwards.
- The Teaching Staff remains engaged in various Research Projects.

## **OUR WEAKNESSES**

- Regarded as a U.G. College despite running 12 P.G. courses beside 12 U.G. Courses.
- Temporary Affiliation is granted and extended every year to 9 U.G. and 12 P.G. courses.
- B.A. as a faculty has not been started despite grant of temporary affiliation.
- Recruitment to sanctioned vacant posts of Grant-In-Aid Teaching and Non Teaching Staff has not been done by the Government.
- Promotion of in service sanctioned Grant-In-Aid Teaching and Non Teaching Staff has not been done by the Government.
- At times, inadequate Salary Maintenance Grant is sanctioned by the Government.
- Fresh appointment of Teaching Staff as per student strength is done every year.
- Lack of Common Room , Cafeteria, Guest House Facility, Ramps for disabled students separate departmental Staff Rooms and Class rooms for P.G. classes
- A very weak Alumni Association despite students being well placed all over the world.
- A poor or no feedback from the stake holders.

## **OUR OPPORTUNITIES**

- Possibility of opening of Professional Courses of B.E. or B.Tech. and B.P. Ed. For girl students only.
- We possess the capacity to be converted into a **MULTI FACULTY WOMENS NEW MODEL COLLEGE.**
- Capacity for opening of Research Centers in all the P.G. departments.
- We possess the capacity to be upgraded into the FIRIST WOMEN UNIVERSITY run by WOMEN FACULTY, either independently or in a cluster as 12 U.G. and 12 P.G. courses are already running with a qualified and experienced Teaching and Non-Teaching staff and well equipped Laboratories.
- Teaching Staff is eligible to become Research Guides.

- To increase the strength of students in all U.G. and P.G. classes.

## **OUR CHALLENGES**

- Renewal of lease of land allotted to Bhilai Mahila Mahavidyalaya, Bhilai Nagar is pending with Bhilai Steel Plant.
- Non availability of salary maintenance grant to the entire Teaching and Non-Teaching Staff of the only GIRLS COLLEGE OF CHATTISGARH with ALL WOMEN TEACHING STAFF.
- Formulation of an Effective Placement Strategy to increase employability of the students.
- Students not eager to join Short Term Skill Development Courses like Soft Skills, Personality Development, Language Proficiency Classes, and Extra Curricular Activities in the college premises itself.
- Academic- industry linkage is not healthy.
- Feedback from the stake holders is weak.
- Influx of academically weak students.
- A weak Parent-Teacher Association.

## **FUTURE PLANS**

In future we plan to-

- Start a remote centre for National Mission of Education conducted by IIT Bombay.
- Have Wi-Fi connectivity all around the campus.
- Use of Solar energy.
- Develop a Green House, Water Harvesting System, Plant Tissue Culture and Animal House.
- Skill up-gradation.
- Ensure proper drainage system.
- Expand Alumni Contacts.

## PROFILE OF THE INSTITUTION

### 1. Name and Address of the College:

Name :	BHILAI MAHILA MAHAVIDYALAYA Affiliated to Pt. Ravishankar Shukla University, Raipur(C.G)	
Address :	Hospital Sector, Bhilai Nagar	
City :Bhilai	Pin :490006	State : Chhattisgarh
Website :	<a href="http://www.bmmbhilai.com">www.bmmbhilai.com</a>	

### 2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. Zehra Hasan	O:0788-2242699 R:0788-2241978	8085747933	0788-2210078	<a href="mailto:hasan.zehra@rediffmail.com">hasan.zehra@rediffmail.com</a>
Vice Principal	Dr. S. Mene	O: 0788-2242699	9303327475	0788-2210078	<a href="mailto:sushma53@rediffmail.com">sushma53@rediffmail.com</a>
Steering Committee Co-ordinator	Dr. S.M Mohan	O: 0788-2242699 R 0788-2325503	9425234503	0788-221007	<a href="mailto:mmssm_59@yahoo.com">mmssm_59@yahoo.com</a>

### 3. Status of the Institution:

Affiliated College  
Constituent College  
Any other(specify)

√

### 4. Type of Institution:

a. By Gender

- i. For Men
- ii. For Women
- iii. Co-education

√

b. By Shift

i. Regular

ii. Day

iii. Evening

√

**5. It is a recognized minority institution?**

Yes

No

√

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

NA

**6. Sources of Funding**

Government

Grant-in- aid

Self- Financing

Any other

√
√

a. Date of establishment of the college: 26/06/1979 (dd/mm/yyyy)

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

Pt. Ravishankar Shukla University,

**c. Details of UGC recognition:**

Under Section	Date, Month & Year\ (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	Under UGC Act. 1956 , 2/08/1986	Sanctioned (certificate attached)
ii. 12 (B)	Under UGC Act.1956 , 01/02/1987	Sanctioned (certificate attached)

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

**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.	B.Ed. NCTE : APW, Code No. 04300/723108	07.01.08		

(Enclose the recognition / approval letter)

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

Yes

√
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No

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

Yes

--

No

√
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**9. Is the college recognized**

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

Yes

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No

√
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**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.	609840 sq.mts.( 14 Acres)
Built up area in sq. mts.	24,555 [ in Sq. mts.] (with new construction ).

(\*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

**Hostel**

- Boys' hostel -
- i Number of hostels
  - ii Number of inmates
  - iii Facilities (mention available facilities)

- Girls' hostel
- i Number of hostels **01**
  - ii Number of inmates **97**
  - iii. Facilities (mention available facilities) -Mess hall, Reading room, Recreation room with audio visual facilities.

- Working women's hostel -
- i Number of inmates
  - ii. Facilities (mention available facilities)

**• Residential facilities for teaching and non-teaching staff (give numbers available cadre wise) - 12 quarters**

- Cafeteria
- Health centre - First aid

**• Outpatient, Emergency care facility, Ambulance..... Health centre staff –**

Qualified Doctor Full time  Part-time

Qualified Nurse

Full time

☒

Part-time

☒

- Facilities like banking, post office, book shops NIL
- Transport facilities to cater to the needs of students and staff NIL
- Animal house NIL
- Biological waste disposal NIL
- Generator or other facility for management/regulation of electricity and voltage YES
- Solid waste management facility NIL
- Waste water management NIL
- Water harvesting NIL

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

\*( 2014 – 2015 )

S.No	Prog. Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student	No. of students admitted
1	Under-Graduate	B.Sc. (BIO )	3 year	10+2	Hindi/English	128	153
2		B.Sc. ( MATHS)	3year	10+2	Hindi/English	128	252
3		B.Com.	3year	10+2	Hindi/English	128	336
4		B.Com. (with Comp. )	3year	10+2	Hindi/English	60	135
5		B.Sc.(Comp.Science)	3year	10+2	Hindi/English	64	170
6		B.Sc. (Home Science)	3year	10+2	Hindi/English	66	67
7		B.Sc. (Biotechnology)	3year	10+2	Hindi/English	30	53
8		B.Sc. (Microbiology )	3year	10+2	Hindi/English	40	68
9		B.C.A.	3year	10+2	Hindi/English	30	34
10		B.Sc. (Ind. Microbio.)	3year	10+2	Hindi/English	40	3
11		B.Ed.	1year	Graduate	Hindi/English	100	96

1	Post-Graduate	M.Sc. (Zoology)	2year	Graduate	Hindi/English	10	20
2		M.Sc.(Chemistry)	2year	Graduate	Hindi/English	10	21
3		M.Sc.(Botany )	2year	Graduate	Hindi/English	10	20
4		M.Sc.(Physics)	2year	Graduate	Hindi/English	10	21
5		M.Sc. (Textile & Clothing )	2year	Graduate	Hindi/English	20	15
6		M.Sc.(Human Development )	2year	Graduate	Hindi/English	20	12
7		M.Sc. (Maths )	2year	Graduate	Hindi/English	15	30
8		M.Sc. (Computer Science)	2year	Graduate	Hindi/English	15	22
	Integrated Programme PG	NA	NA	NA	NA	NA	NA
	Ph.D.	NA	NA	NA	NA	NA	NA



	M.Phil.	NA	NA	NA	NA	NA	NA
	Ph.D	NA	NA	NA	NA	NA	NA
	Certificate courses	NA	NA	NA	NA	NA	NA
	UG Diploma	NA	NA	NA	NA	NA	NA
12	PG Diploma	P.G.D.C.A.	1 year	UG	Hindi/English	30	30
	Any Other	NA	NA	NA	NA	NA	NA
Total →							<b>1659</b>

**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		No	√	Number	
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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	UG	PG	Research
Science	B.Sc.- Computer Science. , B.Sc.- Maths, B.Sc.-Biology , B.Sc.- Home Science, B.Sc. – Electronics B.Sc. Microbiology , B.Sc. Biotechnology, B.Sc . Industrial Microbiology , B.C.A.	M.Sc. - Zoology, Botany , Physics , Chemistry, Maths, Computer Science., Biotechnology, Microbiology, Human Development & Textile & clothing	NIL
Arts	NA	NA	NIL
Commerce	B.Com. with & without Computer Application	M.Com.	NIL
AnyOther (Specify)	B.Ed.	PGDCA	NIL

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

a. Annual system	<input type="text" value="04"/>
b. Semester system	<input type="text" value="03"/>
c. Trimester system	<input type="text" value="x"/>

**17. Number of Programmes with**

- a. Choice Based Credit System ☐ x
- b. Inter/Multidisciplinary Approach ☐ x
- c. Any other (specify and provide details) ☐ x

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

Yes ☐ √ No ☐

If yes,

**a. Year of Introduction of the programme(s) 07.01.2008 (dd/mm/yyyy)**

**and number of batches that completed the programme**

**06**

**b. NCTE recognition details (if applicable)**

**Notification No.: APW Code No. 04300/723108 , Date: 07.01.2008**  
**(dd/mm/yyyy) Validity:.....**

**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 ☐ NA

If yes,

**a. Year of Introduction of the programme(s)..... (dd/mm/yyyy)**

**and number of batches that completed the programme**

**b. NCTE recognition details (if applicable) Notification No.: .....**

**Date: .....(dd/mm/yyyy) validity.....**

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

Positions	Teaching faculty						Non-teaching staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor					
	*MM	*F	*MM	*F	*MM	*F	*MM	*F	*MM	*F
Sanctioned by the UGC / University / State Government (Recruited)	NA	NA	NA	NA	NA	17* 17**	5* 8**	2	NA	NA
Yet to recruit										

Sanctioned by the Management/ society or other authorized bodies	NA	NA	NA	NA	NA	42**	8**	6**	NA	NA
Yet to recruit										

\*M-Male \*F-Female - \* Grant- In -Aid post , \*\* Statute 28 ( paid by management )

## 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.	NA	NA	NA	NA	NA	20	20
M.Phil.	NA	NA	NA	NA	NA	12	12
PG	NA	NA	NA	NA	NA	44	44
Temporary teachers							
Ph.D.	NA	NA	NA	NA	NA	1	1
M.Phil.	NA	NA	NA	NA	NA	2	2
PG	NA	NA	NA	NA	NA	32	32
Part-time teachers							
Ph.D.	NA	NA	NA	NA	NA	NA	NIL
M.Phil.	NA	NA	NA	NA	NA	NA	NIL
PG	NA	NA	NA	NA	NA	NA	NIL

## 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	Year 1 2010-2011		Year 2 2011-2012		Year 3 2012-2013		Year 4 2013-2014		Year 2014 - 2015	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SC	0	135	0	129	0	146	0	154	0	137
ST	0	137	0	146	0	185	0	195	0	188
OBC	0	398	0	469	0	498	0	490	0	572
General	0	872	0	768	0	842	0	864	0	687
Others	0	101	0	110	0	120	0	122	0	75

## 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	1347	274	NIL	NIL	1621

Students from other states of India	37	1	NIL	NIL	38
NRI students	NIL	NIL	NIL	NIL	
Foreign students	NIL	NIL	NIL	NIL	
Total	1384	275			1659

**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

Rs.

(b) excluding the salary component

Rs.

**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**

No. of Teacher	No. of Student	Ratio
76	1659	1:21`

**29. Is the college applying for**

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

*\* Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.*

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

**280**

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

**245**

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

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

.....19/12/2013..... (dd/mm/yyyy)

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

AQAR (i)	.....(dd/mm/yyyy)	NA
AQAR (ii)	..... (dd/mm/yyyy)	NA
AQAR (iii)	..... (dd/mm/yyyy)	NA
AQAR (iv)	..... (dd/mm/yyyy)	NA

**35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)**

# **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 :** To be acknowledged as a pro-active institution which strives hard to fulfil the aspirations of students, help them in developing sound knowledge base, correct skills, attitudes and understanding to enable them to sail confidently through complexities and challenges of life.

**Mission :** To respect and honour humanity at large and serve the society for the betterment of mankind, we endeavour -

- To impart education to students belonging to different strata of society irrespective of caste, creed or colour.
- To uplift the deprived and academically weak students by empowering them with latest knowledge.
- To equip the students with essential skills to sail confidently through life's complexities and challenges.
- To cultivate the qualities of perseverance, dedication and excellence in the students.
- To prepare competent citizens with strong and unflinching character.

#### **Objectives :**

- To enable our students to develop their full intellectual potential through a focused academic experience that is simultaneously rich, extensive and collaborative.
- To offer the students scope for critical thinking and discernment, leading to the development of value based convictions.
- To help the students develop a degree of self reliance and determination, to respond with courage and sensitivity to personal and social issues.
- To generate among students an awareness of women issues, human rights and environmental issues, so that they can understand and respond constructively to these.
- In the context of globalization, to foster in students a sense of national identity that is secular and multicultural with respect and tolerance for all cultures and religions and for humanity at large.

## **Communication to the Stakeholders**

The Vision, Mission and Objectives of the college are made known to the stakeholders, particularly students, through:

- College Handbook
- College Prospectus
- College Website
- Display Boards
- One to one counseling of the student and guardian by the Principal during admission
- Orientation Programmes
- The faculty
- PTA meetings

They are also reflected in the academic and co-curricular activities of the college.

### **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).**

Action Plan for Effective Implementation of the Curriculum:

1. The College is affiliated to Pt. Ravishankar Shukla University, Raipur (C.G.). The curriculum is designed by the affiliating University and is made available to the College for implementation. Pt. Ravishankar Shukla University, Raipur (C.G.) updates the curriculum keeping in view the changing educational requirements.
2. The College calendar which is updated in accordance with the calendar of the affiliating University, Raipur (C.G.) comprises of the various co-curricular and extra curricular activities. The implementation of the academic calendar is monitored systematically by the Principal and respective Heads of the Department.
3. At the beginning of each academic session, a general staff meeting is convened to formulate action plan which would help to give students opportunities to achieve the objectives of the various scheduled programmes.
4. The Teaching Staff are allotted their duties and responsibilities for the academic year.



5. The Faculty members systematically communicate the entire curriculum to the students at the beginning of the academic session.
6. The teaching staff prepare their teaching plans according to the prescribed teaching units and teaching hours as prescribed by the University.
7. The Principal and respective HODs monitor the progress of T/L activity through periodic review of academic diaries. The diaries filled daily by teachers also record the co-curricular and extra-curricular activities in addition to their daily teaching assignments. The diary system ensures the timely completion of all syllabi and the smooth functioning during the session. It also helps the authorities in teacher assessment. The college practices both conventional and innovative teaching methodologies for effective learning. Besides the traditional lecture method and the blackboard method the Teaching Staff makes regular use of ICT- enabled teaching methods like power point presentations.
8. The T/L activity is further augmented by organizing classroom seminars, student workshops, group discussions, home assignments and mini research projects, for curricular and co- curricular activities which offer students optimum learning experiences.
9. Revision and remedial classes are also held.
10. The college practices a sound assessment and evaluation mechanism. Internal assessment of the students is done through unit tests, sessional examinations, and viva-voce. The internal assessment also covers the students' attendance and conduct besides their curricular and extra-curricular performances. The external evaluation is done by the university through the external examiners appointed by the University for the Annual / Semester Examinations.
11. The College pursues the academic activity as per the prescribed norms and instructions laid by the parent university being an affiliated college; we devise our own systems to supplement the University programmes for the maximum T/L output for the achievement of goals and objectives of the college.

### **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?**

#### **Support from the Institution to the Teachers:**

- It is mandatory to follow the Syllabus and Curriculum prescribed by the parent affiliating University- Pt. Ravishankar Shukla University, Raipur. The University also issues an academic calendar on the basis of which the College plans and prepares its own academic calendar. The calendar mentions the dates of admission to various courses offered, occasions and holidays, internal exams, educational tours, annual function, final exams and other events.
- Curricular activities include the theory lectures, laboratory work, project work, seminars, exhibitions .
- Co-curricular activities include field visit, educational training programmes, excursions, skill development, programmes, personality development programme, awareness programme and competitions.
- Extracurricular Programmes include Sports and Games, Cultural NSS, AIDS Awareness Activities, Youth Festivals.

#### **Procedural Support:**

- Staff meetings are held to discuss and plan academic and other related programmes to be organized during the academic year.
- Annual, Semester-wise plans are prepared to facilitate the smooth implementation of the curriculum.

#### **Practical Support:**

- The College allocates funds for the purchase of books, materials, equipments and apparatus.
- e-learning through ICT is made available in the library.
- Experts in different fields are invited to speak on latest trends in their areas of specialization and work-experience.
- The college management sponsors Guest Lectures and talks by eminent scholars for the benefit of the teaching and learning community.

- The College management motivates the faculty members to attend seminars, orientation and refresher courses, workshops, faculty development programmes. The teachers are given Duty Leave for attending these programmes.
- Our management offers financial and logistic support for the conduct of educational tours, field and industry visits, and other excursions.

**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.**

**Contribution of the Institution for Effective Curriculum Transaction:**

The institution has developed the following systems for the effective curriculum delivery and transaction:

- 1. Academic Calendar:** The College prepares its own academic calendar in accordance with the University's and publishes it in the college prospectus. It details the implementation of the complete educational programme for the entire session including the schedules for internal assessment/examinations for all courses conducted in the college.
- 2. Time-Table:** The time table for each course is prepared at the beginning of the session. as per the University, State Government, and the UGC guidelines, The time-table takes into account the prescribed number of teaching hours for theory, practical and tutorial subjects, duration of periods, teacher work-load, shift timing etc. The teaching programme has to meet the requirement of minimum 180 teaching days as per the UGC guidelines. The time-table also takes into account the condition of teachers' minimum 40 hours per week stay in the campus.
- 3. Teaching Plans and Academic Diaries:** The teachers are required to prepare their unit-wise/lesson-wise teaching plans for the session after the teachers are allocated their subjects and submit the same to Principal who monitors the execution and progress of the syllabi on a monthly basis.
- 4. T/L Activity:** The teaching-learning activity is conducted as per the pre-announced schedules and all inputs for theory and practical subjects are given to students as prescribed by the University.

- 5. Co-Curricular Activity:** In addition to the regular classroom teaching-learning activity, the institute conducts bridge and remedial courses to maximize T/L output. The session is also interspersed with the organization of student seminars and workshops, guest lectures, field visits and industrial tours.
- 6. Extra-curricular Activity:** The college also conducts on a regular basis variety of extra-curricular activities like Debate, elocution, essay writing etc. for the all-round development of students. We also have a very active Sports Department and the two NSS units. We also conduct a number of extension activities in the college.
- 7. Learning Resources:** The college takes utmost care in providing as many learning resources as possible to its student in order to ensure the maximum curriculum delivery. A partially computerized library with a rich collection of over 28,600 books and inflibnet/e-journal facilities is capable of catering to the needs of over 1650 students of various courses. We also have well-equipped computer labs with internet facility and educational software.
- 8. Internal/External Assessment:** The college has set up an elaborate Internal Assessment mechanism consisting of unit tests, sessionals, home assignments and viva voce in order to check the implementation of curriculum. The external assessment is carried out by the university.

**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 constantly seeks feedback from industry and research bodies and incorporates as per the requirements of the curriculum the same in its teaching activity in the form of skill development programmes.

- We also offer coaching for Bank Recruitment and other competitive examinations.
- Surveys are conducted by the UG students
- Research is pursued by teachers who are working on the UGC sponsored Minor and Major Research Projects.

The College has a well established placement cell and Career Counseling Cell. The students of final year of all disciplines and PG students register themselves in the placement cell. The placement cell organizes various programmes to prepare the

students as per the requirement of government sector, private sector, corporate sector such as:

- Entrepreneur development programme.
- Personality development programme.
- Skill development programme.
- Vocational Training Programme.

The placement cell also provides information regarding various jobs and vacancies and also trains the students to fill online application forms. Other than this, the College also organizes industrial visits and excursions for expanding the knowledge of the students.

### **Research Bodies:**

The faculty members submit their proposals to various funding agencies such as CGCOST, UGC and DBT etc. for funding. The students are sent to various laboratories for industrial training programmes so that they are motivated towards research and investigation and also take part in various National and International Seminars, Conferences and Workshops to update their knowledge for quality enhancement.

We also invite some eminent academicians and scholars for delivering guest lectures to encourage the students. Our College faculties are also invited by various other institutions for extension lectures, Guest lectures and keynote lectures for effective operationalization and translation of the curriculum.

#### **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.**

We are affiliated to the Pt. Ravishankar Shukla University, Raipur C.G. All our curricula are essentially framed by the University. The syllabi of various courses running in our college are designed by the University through an elaborate mechanism which comprises the Boards of Studies and the Academic Council. Our college faculty members are members of the Board of Studies (BOS) of the different subjects.

The curricula / syllabi are designed on the basis of the feedback of teachers and other stakeholders. The university programmes/courses and the syllabi are implemented by

affiliated colleges through annual or semester patterns with prescribed academic calendar. The assessment and evaluation mechanism too is prescribed by the parent University, and being an affiliated college we implement the same.

**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.**

Apart from the programmes prescribed by the University, the institution also conducts enrichment programmes, soft skills sessions and value oriented classes. These courses help to generate in students an interest in areas beyond their curriculum and also open potential areas of employment.

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

- The College collects the feedback from the students which are collected and analyzed regularly.
- The College organizes meetings with alumni association, parent association, management and other stakeholders and discusses the weaknesses, challenges, strength and opportunities of the college and makes necessary reforms accordingly.
- Other than these we also conduct regular class test and internal exams to monitor the academic performances. The remedial coaching is arranged for the weaker students.
- For effective impact of the curricular objectives we use various teaching learning methods such as
  - Chalk and talk method
  - Over head projector
  - Slide projector
  - Charts, diagrams, models
  - Power point presentation
  - Field visits
  - Group discussions
  - Students Seminar
  - Conference, workshops

- College is always aware of the renovations needed in the basic facilities from time to time.
- Separate book bank facility is available in the library by which SC/ST/OBC and the economically poor students can issue the books for the whole year.

Our faculty recommends latest books and references to students. Number of journals and books are regularly purchased by the college library. The fulfillment of curriculum objectives is checked through the periodic unit tests and other evaluatory methods, and corrective/remedial measures are taken in case of any deficiency in either the approach or the output

## **1.2 Academic Flexibility**

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

The principle goal of the college is to provide integral and value based education to the young women who will be heading different units of society. The college strives to produce intellectually well trained, morally upright, socially committed, spiritually inspired women for India. The aims and goals are fulfilled by merging the degree courses with other skill development courses which help the students to make them economically self sufficient.

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

Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, the affiliating University does not allow any dual degree programmes.

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

The college offers a wide choice of subjects and their combinations- **10** Undergraduate courses and **11** P.G. courses besides B.Ed. and PGDCA.

**(A ) Grant-In-Aid Courses –**

Name of Program	Name of course	Whether General/Self-Financing
Undergraduate	B. Sc. (Bio)	General
	B. Sc. (Maths)	General
	B. Sc. ( Home Science )	General
Postgraduate	M. Sc. ( Human Development )	General

**(B ) Self-Financing Courses –**

Name of Program	Name of course	Whether General/ Self-Financing
Undergraduate	B.Sc.(Industrial Microbiology)	Self Financing
	B.Sc. (Biotechnology)	Self Financing
	B.Sc. (Microbiology)	Self Financing
	B.Sc. (Computer Science)	Self Financing
	B.Com.	Self Financing
	B. B.Com.With Computer	Self Financing
	B.C.A.	Self Financing
	B.Ed.	Self Financing
Postgraduate	M.Sc. (Chemistry)	Self Financing
	M.Sc. (Physics)	Self Financing
	M.Sc. (Biotechnology)	Self Financing
	M.Sc. (Microbiology)	Self Financing
	M.Sc. (Botany)	Self Financing
	M.Sc. (Zoology)	Self Financing
	M.Sc. (Maths)	Self Financing
	M.Sc. (Textile & Clothing)	Self Financing
	M.Com.	Self Financing
	M.Sc. (Computer Science)	Self Financing
	P.G.D.C.A.	Self Financing

**1.2.4. Does the institute 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. ?**

The College offers a number of self financed programmes at UG and PG level with permission from Department of Higher Education, Raipur( C.G.) and Pt. Ravishankar Shukla University ,Raipur( C.G).

- The programme wise curriculum is contained in the Admission Brochure. The prospectus also mentions the fee structure, rules and other relevant directions for the students for maintaining transparency during the admission process.



- Students seeking admission to the College submit the duly filled prescribed application form provided by the College with the Admission Brochure along with the necessary documents by the notified last date.
- Admission is given according to merit list and availability of seats. Separate merit list is prepared for each category of the students including General, OBC, SC/ST. Sufficient time is given to the students to take admission .
- Subsequent admission and waiting lists are also published to ensure that all seats are filled.

**1.2.5. Does the College provide additional skill oriented programmes, relevant to regional and global employment market? If yes provide details of such programme and the beneficiaries.**

The College conducts additional skill development programmes for the benefit of the student community

- Special orientation programmes for competitive examination.
- Development of entrepreneurship for self employability.
- Development of communicative skills.
- Development of language skills.
- Capacity building.
- IT Skills.
- Over all personality development.
- Remedial coaching programmes for weaker section.
- Research innovation and quality improvement programmes.
- Awareness programmes for environmental issues, gender issues and human rights etc.

**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?**

The affiliating University does not provide the flexibility of combining the conventional face-to- face and Distance mode of education for students to choose courses/combinations of their choice.

### **1.3. Curriculum Enrichment:**

#### **1.3.1. Discuss 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 main goal of the College is to empower the girl student by educating them and through the empowered and enlightened women bring meaningful changes in the society.
- We have well qualified, disciplined, committed and devoted faculty members to maintain the intellectual standard of the college with the emerging global standards to fulfill the goals.
- The College organizes various competitions like essay writing, poem writing, debate, quiz, fashion show, poster, painting supported by various cells and associations formed in the College.
- Our students actively participate in Sports Tournaments regularly.
- Seminars and workshops on personality development and goal setting are also organized.
- The students are given opportunities to interact with the eminent academicians to update their knowledge and also develop better understanding and self confidence.

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

- The syllabus designed by Pt. Ravishankar Shukla University, Raipur (C.G.) is strictly followed by the College and cannot be modified by the College, but our faculty members try to enrich the curriculum with maximum utilization of the resources available such as infrastructure, in the College and their own expertise and achievements.
- Internet facility is provided to the faculty members and the students of the PG department to help them obtain the knowledge and information pertaining to their subject.
- There is a well established placement cell functioning in the College. The College organizes regular training programmes and seminars to update the students as per the need and expectations of the corporate world. The placement cell also regularly

updates the students with various job vacancies and also helps them fill up the application forms online.

- The alumni are invited to interact with the students so as to inspire them and help them fulfill their dreams.
- We also hold special orientation programmes for the economically and socially backward students to prepare them for various competitive exams.
- Regular interaction with the parents and students helps the College to gather opinion to prepare the students for the employment market.

**1.3.3. Enumerate the efforts made by the institute to integrate the cross – cutting issue such as Gender, Climate change, Environmental education, Human Rights, ICT etc. into the curriculum?**

- Environment Education is an important part of the curriculum and has also been introduced into the syllabus irrespective of the stream. The students are required to pass the paper entitled “Environmental Studies” once in three years of UG course, failing which they are deprived of their degree. The subject is divided into theory and project. The students are given to work out an investigation on a topic concerned with the environment as project work .
- Seminars on Human Rights are conducted by the College to enlighten the students of their fundamental rights and duties provided by the constitution.
- The College conducts various activities such as poster making, speech competition, debates to bring the necessary awareness among the students.
- Seminars, conferences and talks are organized in the College where the experts of the concerned fields are invited to share and deliver their practical experiences to the students to make them aware of the various societal issues.

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

The College always tries to nurture the students with the human values of love, forgiveness, compassion, universal fraternity and spiritual development as a whole.

The College conducts development programmes such as: Communicative skills, I.T. skills, Entrepreneur Development skills inculcate team spirit, self esteem, and self confidence, sense of responsibility and leadership skills in the students.

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

Curriculum enriching is the priority of the College and hence the College collects the feedback from the stakeholders and from the final year students of UG and PG courses.

Parents and teachers also suggest corrective measures.

**1.3.6. How does the institute monitor and evaluate the quality of its enrichment programmes?**

The Principal, IQAC and HOD's monitor the quality of the enrichment programmes through planning on effective implementation. Committees are formed and tasks distributed for the successful execution. Suggestion for improvement is obtained from the beneficiaries and corrective measures are adopted for improvement.

**1.4. Feedback System**

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

- The College is affiliated to Pt. Ravishankar Shukla University , Raipur( C.G.) and follows the curriculum provided by the University. Faculty members of the different departments of our college are members of Board of Studies of Pt. Ravishankar Shukla University, Raipur (C.G.).
- These members play a significant role at the University level in designing , framing and amendment of the curriculum.
- The faculty members discuss with the other staff members and students regarding the revision and change in the curriculum.
- The College through the members of Board of Studies can suggest changes required but the final decision is taken at the University level.

**1.4.2. Is there a formal mechanism to obtain feedback from the 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?**

- The College Management collects feed back from the final year of UG and PG students and stake holders on the curriculum content. Suggestion for improvement are also solicited. Alumni also provide their suggestions for curriculum enrichment.
- Industrial visits, tours, social gatherings and outreach programmes provide a platform for the students and the teachers to interact with various sectors of society, industries and corporate sector.
- The valuable suggestions from these sources are thoroughly analysed by the College Management and recommendations for the necessary reforms are taken.

**1.4.3. How many new programs/ courses were introduced by the institution during the last four years? What was the reason for introducing new courses/programme?**

The College submitted its proposal to start the following course as add - on - courses to U.G.C., New Delhi. The following Courses have been approved by U.G.C. New Delhi:-

1. Communicative English.
2. Computer Application.
3. Clinical Pathology and Diagnostic Technology.
4. Medical Physics.
5. Banking

The college can start the above add on courses only after permission for the same is obtained from Pt. Ravishankar Shukla University , Raipur (C.G. ) and Department of Higher Education ,Raipur,( C.G.).

## **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?

- Our College is the only girls' college of Bhilai Township serving since last 35 years running diverse courses and subjects in various fields like Physical Sciences, Life Sciences, Home Science, Computer Science, Commerce and Education at Undergraduate and Postgraduate level. The college is well known for its distinguished faculty members, a well equipped Library, Laboratories, Sports facilities and the students.
- The institution gives wide publicity through Newspapers, Visual media and Institutional website ([www.bmmbhilai.com](http://www.bmmbhilai.com)).
- The institution strictly follows the guidelines for admission to various courses given by Department of Higher Education, (C.G.) and Pt. Ravishankar Shukla University, Raipur (C.G.) and these are published in the College Prospectus.
- Counselling to students is provided by members of Admission Committee.
- The faculty members play active role in transmitting the information regarding achievements, infrastructure and courses available in the institution.

**Publicity:** At the beginning of every session the college displays the Admission notice on the College Notice Board and website of the College for all courses. We also publish our Admission Brochure well in advance. Similarly, even during vacation and ahead of the declaration of results, the college opens counseling centres for the enquiring students and parents to guide them on course selection, optional subjects and other issues.

- The college also makes use of electronic media by advertising the admission notice in newspaper, local T.V. channels and cable network.
- Our own students are sufficiently informed of all the subjects and courses offered here and people get information through them.
- Our alumni have also been the front line medium of publicity.
- The necessary information regarding admission is also put in the college website.
- The College Admission Brochure contains the detailed information regarding the criteria of admission, availability of seats, fee structure, rules and regulations to be followed by students.

- Majority of all the parents prefer to admit their wards to this college because of its reputation built up in last 35 years.
- Transparency in admission is maintained.
- The duly filled admission forms are submitted to the college office within the due dates for registration of the students for admission process.
- Merit list is prepared by the admission committee of the respective streams consisting of senior faculty members as per the University Guidelines on the basis of marks obtained in 10+2 level.
- A separate merit list is prepared for General, OBC, SC and ST students.
- There is a provision for reservation as per Government directives which is for ST- 32%, SC- 12%, OBC- 14% and Physically challenged students – 3%.

#### **2.1.2. Explain in detail the criteria adopted and process of admission.**

- (i) **Merit:** Students are admitted in the order of merit as per guidelines given by Department of Higher Education, Raipur (C.G.) and Pt. Ravishankar Shukla University, Raipur (C.G.) The admission committees of various faculties strictly follow these guidelines. Students are admitted in the order of merit. The selection lists of candidates are duly displayed on the Notice Board and even communicated to students telephonically and due weightage in admission is given to SC/ST/OBC and others as per State Govt. guidelines.

The reservation policy is followed strictly as per the government rules.

##### **Step wise process of admission:**

- Information regarding the date of admission and eligibility for admission is displayed on the Notice Board of the college.
- Prospectus and admission forms are issued within the schedule fixed by the College.
- Duly filled admission forms along with the required certificates and documents are verified by a team of faculty members and the College office.
- Admission lists and waiting lists are put up on the Notice Board mentioning the date of payment of fees for admission and the cut-off percentage set for admission into different faculties.
- The forms are re-checked by the concerned admission committee comprising of senior faculty members and endorsed finally by the Principal.



- If need arises a second merit list is prepared and same is displayed on the Notice Board.
- Reservation policy is precisely and exactly followed as per the Government rules.
- Display of the first and the subsequent merit list is done on the college Notice Board.
- The admission process is fully transparent. If any complaint arises regarding the admission, the concerned authority attends to it immediately.

(ii) Common admission test conducted by state agencies and national agencies: No

(iii) Combination of merit and entrance test or merit, entrance test and interview: No

**2.1.3. Give the minimum and maximum percentage of marks for admission at entry level for each of the programme offered by the College and provide a comparison with other Colleges of affiliating University within the city/district.**

The minimum and maximum percentage of marks for admission at entry level for each of the programme offered by the College is as follows for the academic year, 2014-15.

S.N.	Courses	Minimum % *	Maximum
<b>U.G. Courses</b>			
1.	<b>B. Com. Part I</b>	41.8%	94.8%
2.	<b>B. Sc. Part I Maths</b>	44.2%	90.4%
3.	<b>B. Sc. Part I Biology</b>	37.6%	80.6%
4.	<b>B. Sc. Part I Microbiology</b>	48.6%	73.8%
5.	<b>B. Sc. Part I Biotechnology</b>	46.4%	84.9%
6.	<b>B. Com. Part I with Computer</b>	41.8%	90.2%
7.	<b>B. Sc. Part I Home Science</b>	33%	79.5%
8.	<b>B.Sc. Part I Computer Science</b>	49.2%	91.8%
<b>P.G. Courses</b>			
1	<b>M. Com. Sem I<sup>st</sup></b>	43.27%	65.83%
2	<b>M. Sc. Sem I<sup>st</sup> Chemistry</b>	58.27%	73.16%
3	<b>M. Sc. Sem I<sup>st</sup> Microbiology</b>	50.16%	62.11%
4	<b>M. Sc. Sem I<sup>st</sup> Biotechnology</b>	52.05%	63.27%
5	<b>M. Sc. Sem I<sup>st</sup> Botany</b>	50.10%	63.94%
6	<b>M. Sc. Sem I<sup>st</sup> Zoology</b>	53.05%	72.22%
7	<b>M. Sc. Sem I<sup>st</sup> Maths</b>	61.5%	76.55%
8	<b>M. Sc. Sem I<sup>st</sup> Physics</b>	54%	77%
9	<b>M. Sc. Sem I<sup>st</sup> Computer</b>	54.83%	68.33%
10	<b>M. Sc. Sem I<sup>st</sup> Human</b>	57.94%	60.98%
11	<b>M. Sc. Sem I<sup>st</sup> Textile and</b>	55%	78%
12	<b>PGDCA -I</b>	46.67%	63.47%

\* The minimum cut-off marks in all cases refer to reservation category. There is no formal mechanism to compare the maximum and minimum percentage with other Colleges.

**2.1.4. Is there a mechanism in the institute to review the admission processes and student profile annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process.**

- The Admission Committee comprising of senior faculty members regularly observes and reviews the admission process and students profile annually.
- Students record containing the necessary information is maintained in College.
- Class wise records are also maintained separately and regularly updated.
- Soft copy and hard copy are maintained in the College office.

**Reviewing of students’ Profile –**

- The admission committee during admission reviews thoroughly the students’ profile and draws a comparative summary of the selected candidates.
- A record of the student’s performance in various fields including the academic and extracurricular activities as sports, cultural activities, public awareness programme etc. is noticed by the concerned staff.
- On the basis of the student’s interest they are considered for various extracurricular / academic activities at college, inter- college, state and national level throughout the year.
- The students bringing honours to the college in any way and in any field are rewarded and given special benefit in terms of prizes and certificates. Concession in fees is given to students with excellent performance in sports and extra curricular activities.

**Outcomes –**

- These methods have helped to enhance the potentials of students in right directions.
- This has helped in making the students an asset to the institution and society.

**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 students profile demonstrate/ reflect the National Commitment to diversity and inclusion.**

- SC /ST
- OBC

- Women
- Differently abled
- Economically Weaker Sections
- Minority Community
- Any other

Year	SC	ST	OBC	Differently Abled
2011 – 2012	130	145	469	01
2012 - 2013	146	185	498	0
2013 - 2014	153	196	490	0
2014 - 2015	137	188	572	01

#### **SC/ST/OBC/Minority Community:**

- The admission policy of the College strictly follows the reservation norms set by the Government for SC/ST/OBC students along with the students of other communities so as to maintain the diversity of the students.
- Book bank facility is provided by the College library for SC/ST/OBC and economically weaker sections of the society to help them in their path of higher education.
- Various scholarships like SC/ST/OBC scholarships, Minority scholarships, scholarships from Chhattisgarh Board of Secondary Education, Sitaram Jindal, Directorate of Higher Education, are disbursed to our students every year. In addition some students also get scholarship from the establishments of their parents.
- The college regularly creates awareness on the importance of higher education amongst the tribal students for their socio – economic development.
- The college plays an important role to help the ST/SC/OBC students to mingle with the main - stream and at the same time conserve the cultural heritage of tribal community by organizing various cultural programmes.
- ST/SC cell set up in the College looks after the welfare of the students.

#### **Women**

- The College makes use of all the government policies bestowed by the U.G.C. and other national and state councils to promote girls' education.

- Timely submission of proposals for obtaining grants from the U.G.C. for Institutional Development.
- Scholarship from various agencies for students.

#### **Differently Abled:**

- Such students are taken into notice during admission process and considered accordingly throughout their study time.
- College ensures that they have access to all classes in a convenient way.
- Special incentives are provided to such students.

#### **Economically weaker sections:**

- Reservation policies as per Government rule are followed for such students. Nominal fee is charged from such students.

#### **Any Other:**

- Special attention and care is given to such students throughout their course.
- Special provisions and fee concession is given to students with outstanding positions in sports and extra curricular activities.
- Separate Sports quota is available for admission.

**2.1.6. Provide the details of various programmes offered by the institute during the last four years and comment on the trends i.e. reasons for increase and decrease and actions initiated for improvement.**

Programme	No. of applications	No. of admissions	Demand Ratio	No. of applications	No. of admissions	Demand Ratio	No. of applications	No. of admissions	Demand Ratio	No. of applications	No. of admissions	Demand Ratio
U. G.	2011-2012			2012 - 2013			2013- 2014			2014- 2015		
B.Sc. Part I Maths	78	54	1.4	113	69	1.63	177	102	1.73	155	117	1.32
B.Sc. Part I Biology	73	53	1.37	94	81	1.16	69	69	1	84	69	1.21
B.Sc. Part I Home Science	25	25	1	23	23	1	18	18	1	24	24	1
B.Sc. Part I Computer Science	98	64	1.5	132	68	1.9	142	67	2.12	149	60	2.48
B.Sc. Part I Microbiology	32	27	1.18	37	24	1.54	37	25	1.48	44	23	1.91

B.Sc. Part I Biotechnology	28	22	1.27	37	19	1.94	39	21	1	35	21	1.66
B.Sc. Part I Industrial- microbiology	21	16	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
B.Com. with Computer Application	84	57	1.47	80	60	1.3	76	60	1.26	82	52	1.57
B.Com. Part I Plain	180	122	1.47	176	128	1.37	197	127	1.55	184	126	1.46
B.C.A.	28	17	1.64	35	25	1.4	16	7	2.28	30	27	1.11
B.Ed.	117	100	1.17	115	99	1.16	133	96	1.38	97	100	0.97
<b>P.G.</b>												
M.Sc. Sem I Human Development	6	6	1	17	17	1	9	9	1	3	3	1
M.Sc. Sem. I Physics	13	9	1.4	20	10	2	47	10	4.7	50	10	5
M.Sc. Sem. I Chemistry	45	10	4.5	50	10	5	56	10	5.6	45	10	4.5
M.Sc. Sem. I Maths	31	15	2.07	38	15	2.53	36	15	2.4	38	15	2.5
M.Com. Sem. I	55	30	1.83	47	30	1.57	46	30	1.53	61	30	2.3
M.Sc. Sem. I Zoology	24	10	2.4	34	10	3.4	21	10	2.1	22	10	2.2
M.Sc. Sem. I Biotechnology	18	10	1.8	14	11	1.27	14	12	1.17	11	5	2.2
M.Sc. Sem. I Microbiology	17	12	1.42	16	14	1.14	16	12	1.33	15	7	2.1
M.Sc. Sem. I Botany	20	10	2	10	10	1	41	10	4.1	20	10	2
M.Sc. Sem. I Computer Science	14	12	1.17	21	15	1.4	19	14	1.36	17	9	1.8
M.Sc. Sem. I Textile & Clothing	10	8	1.25	10	10	1	10	10	1	5	5	1
PGDCA	49	30	1.63	45	30	1.5	78	30	2.6	51	30	1.7

The college offers 11 U.G and 11 P.G programmes besides B.Ed,P.G.D.C.A and the students join the course of their choice and eligibility.The students prefer to join the vocational and job oriented courses.The admission of the last two sessions indicates the interest of the students in the main stream courses.

## 2.2 Catering to Diverse Needs of the Students

### 2.2.1 How does the institution cater to the needs of differently abled students and ensure adherence to government policies in this regards.

The College is committed to offer special assistance to differently abled students for their unobstructed growth at every level, in the College.

- While planning the seating arrangement special attention is given that classes of such students are on the ground floor.
- Physically challenged students are provided with a writer in the exam, and extra time as per the university guidelines.
- Every faculty member has special responsibility towards such students in terms of boosting their self esteem and confidence to encourage them.
- Washrooms are built up in Indian style as well as western style for their convenience.

**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.**

Yes, the institution assesses the needs of students at the beginning of each session and throughout the period of the course.

- At the time of the admission, the admission committee of the College conducts a brief counselling of students and their parents to evaluate what the students expect from the College and the ways the College could help them achieve their goals.
- The admission committee tries to counsel and help the students in choosing the right stream in accordance with their interests and capability.
- In the first few classes during each introductory session, group discussions are conducted to make them feel at home.
- Class tests, seminars, quiz etc. are conducted throughout the year to evaluate whether the teachers' efforts are producing good results.
- Remedial coaching is provided.
- Personality development lectures are organized from time to time to enhance the competence and confidence of the students.
- The placement cell arranges to train the students to face competitive and entrance test and also invites agencies and firms to conduct placement interviews and sessions.
- Freshers day organized by different faculties provides a platform to the students to display their talents and skills.

**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.)**

The College tries to bridge the knowledge gap between the enrolled students as they come from different schools and different media of instruction.

- Academically weaker students are identified by their performance in the class tests being held regularly.
- Remedial Classes in different subjects are organized.
- Enrichment programmes such as Personality Development, Spoken English Communication Skill Development are organized for students so as to enhance their personality.

**List of add on-courses:**

- ③ Language skill development
- ③ Communicative and spoken English
- ③ Internet Accessing

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

1. The college has always laid stress on activities connected with gender issues and environment. Organisations such as NSS and other cells focus on programmes and activities aiming at the all-round development of the students. Various activities like Guest Lectures, Workshops, Seminars, Debates, Essay Competitions, Poster Making Competitions, Quiz Competitions etc are regularly arranged with the aim of sensitizing the students and staff on gender and environmental issues.
2. Important National days are observed in order to express solidarity and unity.

**3. Gender**

Our college is a totally women's institution hence there is no gender discrimination. Equal opportunity is given to all the students while organizing different curricular and extra curricular activities conducted by various cells.

- There is a girls hostel providing accommodation to around 100 students.
- Various competitions are conducted to enhance the creative skills of the girls and create a healthy competitive spirit.

- Guest lectures on health, hygiene, morals and ethics and safety drives along with other relevant issues are frequently conducted.
- Yoga classes in two different sessions has been organised for the students.
- Different functions and festivals are also observed.

#### **4. Environment**

- The University has introduced a compulsory paper on environmental studies. Each student has to appear and clear this paper for getting the U.G degree.
- Students submit charts and projects on different topics related to environmental issues.
- National Science Day is observed on 28<sup>th</sup> February.
- Our NSS students also enlighten the villagers on these issues during their camps.
- Every year “Hareli Jagar” (a Tree Plantation drive) is organized in and around the college campus.

The above mentioned activities are organized and taken care of by the following 13 cells and societies which has been formed as per the directives of Higher Education Department, Raipur (Chhattisgarh) and the affiliating University Pt. Ravishankar Shukla University, Raipur.

1. Cultural Society
2. Fine Art Society
3. Knowledge Society
4. Society of Computer Literacy
5. Society of Book Reader
6. Society of Science Club
7. Society for Gender Issue
8. Society of Current Affairs
9. Society of Social Work
10. Society of Physical Activity
11. Dramatics Society
12. Placement Cell
13. Grievance Redressal Cell

- Besides the above the College has 11 PG associations working in their respective fields.



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

The College caters to the students from all strata of the society from Bhilai and near by villages. Some of them are first generation learners. The best part of these students is their curiosity to learn and mingle with fellow students. The College adopts some common practices such as –

1. Evaluation of marks obtained in previous classes.
2. Class tests.
3. Class room discussions, Seminars and Queries and project works. Additional motivational lectures are organized to enhance the skill and awareness of the students.
4. Students are selected to participate in activities at inter collegiate, inter University and inter State level cultural festivals and competitions which gives them a chance to mingle with their peer group.
5. Advanced learners are given an opportunity to lead different groups of their class so as to encourage leadership skill, communicative skill and competitive spirit.
6. Seminars and Workshops help to enhance their knowledge and nurture their skills.
7. Special counseling sessions are organized to appraise the students of various job opportunities and avenues available and to acquaint the students with the latest trends of the corporate sector and job market.
8. All students are guided and encouraged to participate in various competitive examinations. Winners are given special recognition in terms of prizes and certificates
9. A few of our students have successfully cleared MAT, NET, SLET and bank exams.

**2.2.6. How does the institute collect, analyze and use the data and information of the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged section of the society, physically challenged, slow learners, economically weaker section etc. who may discontinue their studies if some sort of support is not provided) ?**

- The College collects the data and regularly analyses it to prevent the drop out of students.
- The College maintains and regularly updates the students' profile.
- Monthly evaluation of attendance enables the college to send information to the parents/guardians.

- Class tests are conducted regularly and students getting poor marks are sent to the Principal for discussion.
- After the admission, if the students find any difficulty in the chosen subject, they have an opportunity to change their subject by the dates as decided by the university.
- Provision is made for payment of fee in installments.
- Educational subsidiary for poor students in the form of scholarships is provided.
- Book bank facility is provided.

### **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 College strictly adheres to the Academic Calendar issued by Pt. Ravishankar Shukla University, Raipur, to which the College is affiliated.
- The academic calendar of the College is scheduled for curricular, extracurricular and co-curricular activities of the academic session conducted by various cells and associations existing in the College.
- The Time Table committee of the College prepares time table schedule for theory classes, practicals, vocational classes, additional classes, remedial classes etc. .
- All the departments function according to the plan prepared at departmental levels.
- The teaching plans are maintained in a register.
- The students are evaluated regularly by internal assessment via class tests, assignments, group discussions, seminars etc. .
- The examinations are conducted by the University as per the University Examination Time Table.

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

- IQAC drives the efforts made by the College in the direction of perfection and excellence in all dimensions.
- IQAC is responsible to maintain quality standards and its further enhancement.
- IQAC helps in promoting innovative practices in teaching – learning process.
- IQAC organizes workshops and seminars on quality education. It also designs future plans and extensions of the College.

**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 learning, collaborative learnings and independent learning among the students?**

- The College has developed following practices to make the teaching process more student centric.
- The College has a well equipped library containing 28,600 books, journals, periodicals and research magazines which are made available to the readers by providing open access. The library subscribes to N- LIST program for E-Resources. The College has a well established internet facility in library consisting of more than 10 computers available for teachers and students during College hours.
- Well equipped laboratories facilitated with modern equipment.
- Our teachers have adopted various methods to make the teaching process more student centric, participatory, interactive and innovative,through:
  - Chalk and talk based Lectures.
  - Power Point based Lectures.
  - Innovative teaching like use of models and charts.
  - Smart class room.
  - Seminars and Project-work.
  - Interactive learning through group debate, field study, visits, trips, excursion tours etc.

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

- The College publishes its own magazine “Ritika” to promote the writing and creative skills.
- College organizes various competitions through various cells, societies and associations to promote creativity and talent in our students.
- College conducts a series of lectures on subjects related to science, environmental science and social issues. The interaction with eminent academicians, scientists and social workers motivate our students to become lifelong learners and innovators.

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

The college has availed National Knowledge Network connectivity. The College applied for 10 Mbps Broadband Over Virtual Private Network (BBoVPN) under “National Mission on Education through Information and Communication Technology” (NME-ICT) scheme of MHRD, Govt. of India and was granted the same w.e.f. April 2012. The College subscribes to N-list Programme for accessing e-sources.

In addition to the chalk and talk method, to enhance effective teaching our faculty uses other modern teaching methods such as Power point presentation ,Innovative teaching with the use of models and charts, Smart class room,Interactive learning through group debates Seminars and Project-work. Field study, Visits, Trips, Excursion tour.

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

The students and faculty are exposed to advanced level of knowledge and skills by the following practices:

- Institution provides internet facilities for all the departments so that the students and teachers can update their knowledge using the e-resources.
- Students and teachers participate in National and International Seminars/ Conferences/ Workshops to keep pace with the advanced level of knowledge and skills.
- Institute provides funds and facilities to various departments to organize seminars, exhibitions and guest faculty lectures.
- Educational tours and trips are also organized by the institution to enhance the cooperative skill and knowledge of the students.
- Additional reference room with internet facility of the college library enriches the students and teachers with the activities going on in relevant fields.

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

- Career counseling and job placement cell is functional within the college. Faculty members interact with students from time to time and guide them for better career options.
- The placement cell also offers various training & skill development programmes to improve skill, knowledge and personality of the students to perform better in interviews and exams.
- Grievance and redressal cell constituting the Principal, senior faculty members and hostel warden deals with the grievances regarding the personal problems, academic problems of the day-scholars and hostellers, accommodations and health related problems and help the students to cope up with the difficulties they are facing.

**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 the new and innovative approaches and the impact of such innovative practices on students learning?**

Innovative teaching methods adopted by the faculty to teach the young girls to increase their learning capacity are listed below :

- Chalk and talk methods
- Models and charts.
- Experimentation and demonstration.
- Project work.
- Training programmes.
- Smart class rooms.
- Power point presentations.
- Seminar/workshop/conferences.
- Tour, field trips, industrial visits.

These teaching approaches impart a positive impact on teaching learning process. Students appreciate such approaches along with the class-room teaching which forms the basic part of effective teaching.

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

Library is the main and widely used teaching learning resource. The College has one Central library and departmental libraries in all P.G. departments. The central library contains 28,600 books, CDs, DVDs, journals, magazines etc. The library has Book Bank facility for SC/ST/OBC and economically deprived students. It also has a reference section, a reading section and an internet section where e-resources can be accessed through N-LIST. About 750 users visit the library per week.

### **2.3.10. Does the institution face any challenge 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?**

The College ensure the curriculum completion within the planned time frame and calendar.

- The College follows the academic calendar of the university every year which accommodates all the curricular, co-curricular and extracurricular activities.
- The programme according to the academic calendar is strictly followed by all the faculty members.
- As far as the curricular programme is concerned, teachers prepare their teaching programme which contains the day to day lecture programme to facilitate teachers complete their syllabus within the prescribed time. The programmes are strictly monitored by the Principal.
- The academic calendar and work distribution is done at the beginning of every academic session.
- The University and all Government programmes are accommodated within the academic schedule.

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

- At the beginning of the academic session the Principal addresses the students and encourages them to approach the concerned teacher and the Principal regarding any problem related to teaching.
- The institute conducts monthly tests, model exams and collects the feedback from students and teachers and evaluates the quality of teaching learning and if required immediate action is taken by the Principal.

- Overall College results at the University level is discussed in IQAC comprising of senior faculty members and the Principal. If required special attention is paid to subjects in which students fail to perform well.
- Regular feedback is collected from the students, parents and teachers and analyzed regularly and appropriate guidelines are prepared for the next session.

## 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 challenging requirements of the curriculum.)

- Staff is sanctioned study leave (if required by the staff), to complete their qualification by pursuing M. Phil or Ph.D. as per prevalent rules and regulations of the college.
- The faculties are encouraged to attend Seminars/workshops/ conferences to enhance their knowledge.
- Teachers are encouraged to attend refresher and orientation courses.
- The teachers pursuing in Ph.D. work are provided the basic facilities required for their research work.

The qualification	Associate Prof.	Assistant Prof.	Total
<b>Permanent : UGC Sanctioned Assistant Prof. Post</b>			<b>17</b>
Ph.D.	-	11	
M. Phil	-	02	
P.G.	-	17	<b>17</b>
<b>Permanent under College Code 28</b>			<b>17</b>
Ph.D.	-	06	
M. Phil	-	07	
P.G.	-	17	<b>17</b>
<b>Permanent under College Management</b>			<b>10</b>
Ph.D.	-	03	
M. Phil	-	NIL	
P.G.	-	10	<b>10</b>
<b>Temporary - ADHOC</b>			<b>32</b>
Ph.D.		01	
M. Phil		04	
P.G.		32	<b>32</b>

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

There has always been an increasing demand for trained and qualified teachers in new and emerging areas of study like Biotechnology, Computer Science and Microbiology.

- The College tries to make every possible effort to bridge the gap between the growing demand and scarcity of trained teachers.
- The teachers are encouraged to attend seminars and workshops, conferences, symposiums etc. to enhance and update their knowledge regarding their subjects.
- Teachers are also encouraged to attend faculty development programmes conducted by Academic Staff College and other organizations to bring in the necessary enlightenment in teaching.

**2.4.3. Provide details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teachers' quality?**

- a) Faculty training programme organized by the institution to empower and enable the use of various tools and techniques for improved teaching learning.
- b) Nomination to Staff Development Programme..

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	05
HRD programmes	Nil
Orientation programmes	09
Staff training conducted by the university	Nil
Staff training conducted by other institutions	06
Summer / winter schools, workshops, etc.	06

**1. Teaching learning methods/approaches**

- College organizes seminars, workshops and conferences for faculty members to adapt to modern teaching - learning methods and approaches.
- Many lecture rooms/halls have been upgraded to Smart class rooms.
- Faculty members use various teaching learning methods/ approaches including chalk and talk method, chart, models, questionnaire, practicals, field units, group discussion



case study, Power point presentation, multimedia, CDs on various topics. Use of ICT is also encouraged.

## **2. Handling new curriculum.**

- Most of our PG students after passing out join the college as faculty as per needs of the particular department.
- About 50% of our faculty members are experienced and many of them are members of Board of Studies of the University where they are involved in designing of new syllabus according to UGC and National standards.
- Faculty members are members of the State Board of studies for the following subjects:- Chemistry, Commerce, Home Science, Education, Botany, Zoology, Hindi and English.

## **3. Content /knowledge management.**

- The library is enriched with new reference books.
- Faculty is allowed to attend refresher courses, orientation courses, seminars, workshop etc. to update their knowledge towards the emerging technology.

## **4. Selection development and use of enrichment material:**

The college has these facilities to develop rich materials for effective teaching-

- Reference room with internet facility.
- Books and Journals.
- Provisions for organizing and attending seminars/conferences/workshop etc.
- Teachers attend training programmes to develop practical skills in computer.

## **5. Assessment –**

- The College has adopted systematic methods for assessment so as to analyze the performance of its faculty and college as a whole.
- Performances of students in the class tests, being organized regularly gives an idea about the effectiveness of teaching methods.
- Feedback forms filled by students also provide insights regarding their effectiveness of the teaching methods adopted.
- Response from the parents and stakeholders are also solicited.

## **6. Cross – Cutting issues:**

- The students, staff and other segments of society are actively involved in creating awareness regarding the cross cutting issues. Various activities are conducted via various Cells and Associations of the College.

**7. Audio-Visual Aids/multimedia:**

- Smart class-rooms are available in various departments.
- College has a conference room with LCD projector.
- Teachers prepare their presentation and make use of all the available facilities.

**8. OERs (On line Electronic Recourses)**

- College departments subscribe various online journals, books and other materials as per requirement.
- Every department is equipped with Desktops.

**9. Teaching learning material development, selection and use:**

- The faculty members actively participate in developing teaching learning materials.
- Faculty members have produced books research papers, review articles on different topics.
- College department try to develop e-resources for better and easy approach of teaching learning materials.

**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 :

**2.4.4. What policies/systems are in place to recharge teachers? (eg. Providing research grades, study leaves, support for research and academic publication, teaching experiences in other national institutes and specialized programmes industrial engagements etc.).**

- College supports research work and has developed research centers in Microbiology, Biotechnology and Zoology.
- College grants study leave to faculty members for pursuing their M. Phil. and Ph. D. as per prevalent rules.
- College encourages the teachers to apply for minor and major research projects from various funding agencies.

**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. Elucidate how the institutional culture and environment contribute to such performance/achievement of the faculty.**

Our faculty members are felicitated by various agencies from time to time.

**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, the College has established the mechanism to evaluate the teachers' performance by the students and external peers in an informal way.

## **2.5. Education Process and Reforms.**

**2.5.1. How does the institute ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation process.**

- Every year after the admissions are over, the Principal informs the newly admitted students regarding the various activities of College including the teachers evaluation process.
- The faculty members are counselled of the evaluation report by the Principal individually and also suggest necessary reforms to be taken.

**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 institution strictly depends on the evaluation reforms initiated by the affiliating university Pt. Ravishankar Shukla University, Raipur.
- Evaluation reforms on College level includes class tests, model exam, projects, practical, field visits.

**2.5.3. How does the institution ensures effective implementation of the reforms of the University and those initiated by the College on its own?**

- Nine of the faculty members of the College are the members of the Board of Studies at the University level.
- Four faculty members are involved in exam committee of the Pt. Ravishankar Shukla University, Raipur.

**2.5.4. Provide details on the formative and summative assessment approaches adapted to measure students' achievement. Cite a few examples which have possibly impact on the system.**

- The College has adapted both formative and summative assessment approach to measure students' performances.
- The achievements of the students are highlighted and encouraged by the College Management and also displayed on the College Notice Board.
- The summary of the achievement is presented in the annual report and also in the College magazine and Brochure.
- Academic achievements at University level are displayed on the college notice board entitled 'Merit Holders'.
- Category wise record of achievement is summarized and used for evaluation where ever required.

**2.5.5. Details on significant improvement made in ensuring strict transparency in the last four years and weightage assigned for the overall development of students (weightage for behavioral aspect, independent learning, communication Skills etc.)**

- College studies and regularly analyses the progress of students and after the declaration of results, all the teachers, HODs and the Principal discuss the necessary reforms required for improving the performance in every aspects.

<b>Programme</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1.B.Sc.(Maths)</b>				
Year I	42.59%	52.63%	54.85%	67.64%
Year II	76.47%	71.42%	39.25%	95.74%
Year III	50%	80%	96.24%	69.09%
<b>Average</b>		<b>68.01%</b>	<b>63.44%</b>	<b>76.16%</b>
<b>2. B.Sc. (Biology)</b>				
Year I	25%	25.49%	42.21%	40.57%
Year II	7.69%	100%	80%	94.28%
Year III	21.73%	89%	91.67%	83.33%
<b>Average</b>		<b>71.50%</b>	<b>71.29%</b>	<b>72.73%</b>
<b>3. B.Sc. (Home Science)</b>				
Year I	80%	55.17%	42.85%	45.45%
Year II	86%	79.17%	65%	88%
Year III	100%	92%	100%	100%
<b>Average</b>		<b>75.44%</b>	<b>69.28%</b>	<b>71.82%</b>

<b>4. B.Sc.(Computer Science)</b>				
Year I	55.71%	83.56%	75.71%	80.83%
Year II	96.07%	98%	91.80%	98.80%
Year III	30.76%	96.32%	86.27%	94.64%
<b>Average</b>		<b>92.63%</b>	<b>84.59%</b>	<b>91.42%</b>
<b>5. B.Sc.(Microbiology)</b>				
Year I	96%	60.17%	54.16%	54.16%
Year II	57.14%	89.47%	94.73%	77.77%
Year III	51.72%	95.23%	90%	95.23%
<b>Average</b>		<b>81.62%</b>	<b>79.63%</b>	<b>75.72%</b>
<b>6. B.Sc.(Biotechnology)</b>				
Year I	88.23%	59%	73.68%	73.68%
Year II	70%	100%	100%	100%
Year III	40%	83.38%	100%	83.33%
<b>Average</b>		<b>80.79%</b>	<b>91.23%</b>	<b>85.67%</b>
<b>7.B.Sc.(Ind. Microbiology)</b>				
Year I		29.41%	68.18%	54.16%
Year II		50%	100%	50%
Year III		86.96%	100%	77.77%
<b>Average</b>		<b>55.46%</b>	<b>89.39%</b>	<b>60.64%</b>
<b>8.B.Com</b>				
Year I	47%	74%	73%	43%
Year II	52.63%	51%	88%	80%
Year III	76%	89%	96%	84%
<b>Average</b>		<b>71.33%</b>	<b>85.66%</b>	<b>69%</b>
<b>9. B.Com.(With Computer)</b>				
Year I	80%	75%	79%	47%
Year II	52.63%	67%	93%	78%
Year III	76%	95%	100%	93.5%
<b>Average</b>		<b>79%</b>	<b>90.66%</b>	<b>72.83%</b>
<b>10. B.Ed.</b>	97.88%	100%	98.95%	98.95%
<b>11. PGDCA</b>	96.66%	92.85%	90%	92.85%
<b>12. M.Sc.(Physics)</b>				
Semester I	45%	77.7%	80%	100%
Semester II	100%	100%	100%	100%
Semester III		77.7%	77.77%	100%
Semester IV		100%	100%	100%
<b>Average</b>		<b>88.85%</b>	<b>89.44%</b>	<b>100%</b>
<b>13. M.Sc.(Botany)</b>				
Semester I	50%	50%	47.61%	100%
Semester II	77.77%	90%	90%	100%
Semester III		100%	100%	100%
Semester IV		100%	100%	100%
<b>Average</b>		<b>85%</b>	<b>84.40%</b>	<b>100%</b>
<b>14. M.Com</b>	93%			
Semester I	100%	92.59%	100%	96.67%
Semester II		100%	100%	100%

Semester III		100%	96.42%	76.92%
Semester IV		100%	100%	100%
<b>Average</b>	100%	<b>98.14%</b>	<b>99.11%</b>	<b>93.40%</b>
<b>15. M.Sc.(Biotechnology)</b>	87.5%			
Semester I		100%	100%	100%
Semester II		100%	100%	100%
Semester III		100%	100%	100%
Semester IV	93.75%	100%	100%	100%
<b>Average</b>	100%	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>16. M.Sc.(Maths)</b>				
Semester I		100%	93.33%	100%
Semester II		100%	100%	100%
Semester III	100%	100%	100%	100%
Semester IV	100%	100%	100%	100%
<b>Average</b>		<b>100%</b>	<b>98.33%</b>	<b>100%</b>
<b>17.M.Sc.(Computer Science)</b>				
Semester I		91.67%	93.33%	71.42%
Semester II	90%	100%	100%	7.1%
Semester III	100%	100%	100%	93.33%
Semester IV		100%	100%	100%
<b>Average</b>		<b>97.92%</b>	<b>98.33%</b>	<b>67.96%</b>
<b>18.M.Sc.(Chemistry)</b>				
Semester I	81.81	100%	100%	50%
Semester II	78.57%	90%	100%	100%
Semester III		100%	100%	100%
Semester IV		100%	100%	100%
<b>Average</b>		<b>97.5%</b>	<b>100%</b>	<b>87.50%</b>
<b>19. M.Sc.(Microbiology)</b>	100%			
Semester I	100%	100%	100%	91.67%
Semester II		100%	100%	100%
Semester III		100%	100%	100%
Semester IV		100%	100%	100%
<b>Average</b>	100%	<b>100%</b>	<b>100%</b>	<b>97.92%</b>
<b>20. M.Sc.(Zoology)</b>	80%			
Semester I		100%	100%	100%
Semester II		100%	100%	100%
Semester III		70%	100%	100%
Semester IV	100%	70%	100%	100%
<b>Average</b>	80%	<b>85%</b>	<b>100%</b>	<b>100%</b>
<b>20. M.Sc.(Textiles&amp;</b>				
Semester I		100%	100%	100%
Semester II		100%	90%	100%
Semester III		100%	100%	100%
Semester IV		100%	100%	100%
<b>Average</b>		<b>100%</b>	<b>97.50%</b>	<b>100%</b>
<b>20. M.Sc.(Human</b>				
Semester I		100%	100%	100%

Semester II		100%	100%	100%
Semester III		100%	100%	100%
Semester IV		100%	100%	100%
<b>Average</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>

**2.5.6 What are the mechanisms for redressal of grievances with reference to evaluation both at the College and University level?**

- The College has adopted annual examination pattern for UG classes and Semester examination pattern for PG classes and follows the directives of Pt. Ravishankar Shukla University, Raipur in this aspect.
- The students who are not satisfied with the marks have a choice of re-evaluation of the answer sheets.
- The students can appear in examination or ATKT if they fail.

**2.6. Students' performance and learning –**

**2.6.1 Has the College clearly stated learning outcomes? If yes give details on how the students and staff are made aware of these?**

Yes, the College clearly states the learning outcome as it is a part of assessment of the service provided and the activities and efforts made by the College is bearing good results at personal and social level.

- The highest and lowest scores are marked specifically.
- The overall percentage of the students passing every year is calculated.
- The performances of students in co-curricular activities at local, state and national level (such as cultural activities, sports, athletics, NSS) are analysed separately and achievement/ honours, if any are recorded.
- All these assessment methods help the College to analyse and evaluate its own efforts and hence to take necessary reforms if required.

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

- The progress of each and every student is monitored continuously throughout the academic year.

- Class tests are conducted every month and the teaching staff of concerned subjects keep a record of performance of the students.
- Weaker students are identified by the performance in the class test and are advised to work harder for improvement.
- A track record of the student's performance is maintained and the students whose performance is constantly decreasing are sent to the Principal and if necessary their parents are also intimated of the same.
- Pre - model exam/assignments are undertaken before the commencement of model exam so as to assess the preparation of the students for their final exam.

**\*\* The details of the results have been given in 2.5.5 above.**

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

The teaching learning and assessment strategies of the institution are structured strictly to facilitate the intended learning outcome and complete personality development of the students.

- Efforts are made right from the time of admission so that the students can enhance their potential in the area of their interest. The students along with their parents have to undergo a brief counselling session before their subjects or streams are allotted.
- Teaching methods including the medium are so chosen that the students get the maximum benefits.
- Fast and slow learners are identified in each subject and they are taken care of by various supportive programmes such as remedial coaching, revision and extra classes and assignments.
- Special care is taken to ensure that enough learning resources including text books, reference books, journals, internet facilities are made available to each student.
- Book bank facility ensures that the economically backward students are not deprived from the learning resources.
- The students also get plenty of opportunities to develop and highlight other aspects of their personality apart from their curricular aspects. Activities and competitions are organized by different cells and associations of the College in every academic year in which the students participate enthusiastically.



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

The institute seriously works for the socio-economic development of the students.

- The students are made aware of various issues of social relevance by conducting various activities which include debate, village visit, skit and drama etc.
- Many important days and dates as recognized by UNO and National and International organizations such as Literacy Day, Women's Day, Human Rights Day, Peace Day, AIDS Day, Hareli-jagar (Vanmahotsav) , Martyrs Day, etc. are observed in the College to convey the message contained in them to the students so that they develop interest and take future innovation in the required direction.
- Students are encouraged to take part in the NSS and various cells and associations of college to boost up their interest to take on the social responsibilities.
- The industrial visits, visits to research centers, field visits also enhance the innovative and research aptitude of the students.
- Career counselors are invited for their lectures, seminars, workshops to help the students to analyse their potentials and hence to drive their energy and effort in the specific fields.
- The placement cell of the College notifies the forth- coming competitive examinations of the various bodies to the students and guides them for preparing for the same , and also helps the students to fill online form for the same.

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

Institution follows systematic procedures to collect and analyze data on students learning outcome –

- Results of previous year annual exams are collected by respective teacher subject wise and merit list is prepared.
- Class-tasks such as seminars and presentation also asses performance of the students.
- Regular class tests are taken by the respective subject teacher and marks obtained are recorded.

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

The institution follows the standard evaluation process and ensures the achievement of the learning outcome.

- We conduct interview and counselling at the time of admission.
- At the beginning of each academic session, previous year's results of each subject are analyzed and corrective measures are taken .
- The concerned subject teacher takes class test on regular basis and also evaluates the performance of students via assignment, seminar, projects, field visit and their performance is recorded.
- Quarterly analysis of attendance of the students in the College is done on regular basis in the staff meeting.
- The slow-learners are identified, their problems are understood and necessary steps are taken to ameliorate them. The slow learners are provided with revision,extra and remedial classes in the required subjects.
- All the subject teachers submit their evaluation report to the Principal and the same is also discussed in the academic circle of IQAC meeting.

**2.6.7. Does the institution and individual teachers use assessment/evaluation outcome as an indication for evaluating students' performance, achievement of learning objects and planning? If 'yes' provide details in the process and cite few examples.**

- Yes, the College teachers use assessment/evaluation as an indication for evaluating student's performances, achievements of learning objectives and are used for further planning.
- The students who have extracurricular achievements at State level, University level are given extra weightage of 5% marks at the time of admission in sports and extra curricular activities.
- The students bringing laurels -to the college in academics, sports and extra curricular activities are honoured by the management.

## **CRITERION – III**

# **RESEARCH, CONSULTANCY AND EXTENSION**

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### **3.1 Promotion of Research**

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

Yes, but with MATS University. However, the institution has all the facilities to carry out research for both minor and major research projects sponsored by the UGC and other agencies. Students are also involved in the research process through the curriculum units like project reports and case studies.

#### **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.**

The Research Committee is duly constituted under the chairmanship of the Principal and has IQAC coordinator and research supervisors/senior teaching staff as members. The faculties seek guidance from the Research Committee for writing research papers, articles and preparing research proposals for major and minor research projects. The committee also conducts sessions for research methodology and organizes lectures of renowned researchers-

- The committee also encourages various departments to upgrade and get registered as the recognized research centre.
- The committee provides all the information to the faculty members about the Minor and Major research projects sponsored by various agencies.
- The committee encourage teachers to take up major and minor research projects and help in timely submission of proposals.
- The committee evaluate proposals before forwarding the same for approval.
- The committee also provides assistance to the research scholars with reference to research proposals, Research methodology, statistical packages etc.
- The committee discusses various aspects of research programme on a timely basis.

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

The college considers research activity as an important aspect for quality upgradation of both the teaching staff and students and therefore strives to create an atmosphere conducive to research through the following efforts:

- 1) Autonomy to the Principal investigator:** The principal investigator of a major/minor research project is allowed to conduct her research in a free atmosphere without any interference from the college management.
- 2) Timely availability or release of resources:** In case of sponsored research projects, 50% of the total allocation is usually received by the college from the sponsoring agencies like the UGC or CGCOST for the purchase of books, equipments, stationary, travel, and contingencies. The funds sanctioned to the principal investigator are released without delay according to prevalent norms.
- 3) Adequate infrastructure and human resources:** The following facilities are available to teachers for conducting research in the college:

The college has availed National Knowledge Network connectivity. w. e. f. April, 2012.

  - Central Library with over 28600 text books, reference books, encyclopedia etc, access to e-resources through N-List program is provided.
  - Collection of research projects and dissertations of M.Sc., PGDCA, B.Com with Computer Application is available for ready reference.
  - Computer Lab with unlimited internet facility;
- 4) Time-off, reduced teaching load, special leave etc. to teachers:** There is a provision of rebate of two periods per week for Research Supervisors. The teachers working on the research projects are entitled to study leave of various durations. The college also allows these teachers to visit local libraries and other relevant laboratory, educational institution for collecting data if required after their teaching assignments for the day are over.
- 5) Support in terms of technology and information needs:** Research personnels in the institute are offered all the available facilities for conducting research work. They can purchase all the necessary equipments required by them from their sanctioned

grant, in case the same are not available in the college. The college allows the use of computer labs, library resources and internet facilities to teachers while on campus.

**6) Facilitate timely auditing and submission of utilization certificate to the funding authorities:** Our management has its own auditors and therefore there is no delay in audit and utilization certificates.

- The principal investigators are rendered complete but responsible autonomy in their research projects (from the initial project preparation to the final submission of the same).

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

The College Management motivates teachers to take up major and minor research projects, publish research papers in reputed journals, and attend conferences, seminars and workshops for enhancing scientific aptitude and promoting research culture. The teaching staff motivates the students by organizing debates, essay writing, quiz and poster making competitions on various Science events. National Science day is celebrated every year to motivate and to develop a scientific temper amongst students.

The faculty stimulates students to develop critical, logical thinking and evoke scientific temper for the creation of a learning environment to develop their intellectual aptitude.

- The institution organizes study tours for final year students of all departments. The students are taken to other educational institutes to interact with their research scholars.
- The College also organizes UGC sponsored Seminars, Conferences and Workshops of State & National level to create curiosity among the students as well as to give a chance to meet the learned faculties of the related fields.

### **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.**

The status of the faculty involvement in active research is given in the table below.

## STATUS OF THE FACULTY INVOLVEMENT IN RESEARCH

S. N.	Status	Number
1	Ph.D.	21
2	M.Phil	17
3	Registered for Ph.D.	10
4	Ongoing minor research	8
5	Completed research Project	6

### (A) RESEARCH SUPERVISION

At present the college has as many as **five** research supervisors for both M. Phil. and Ph.D. The following are the details of faculty involvement in active research:

S.N.	Research Supervisor	Subject	Ph.D	M.Phil	Ph.D Awarded	M.Phil Awarded
1	Dr. Zehra Hasan	Physics	-	04	-	04
2	Dr.Sushma Mene	Botany	-	01	-	01
3	Dr. Sudha Agarwal	Zoology	01	-	-	-
4	Dr.Bhawana Pandey	Biotechnology	06	22	-	22
5	Dr.Pratiksha Pandey	Botany	-	10	-	-

The College has no separate research centres, but there is a research committee headed by the Principal to look after the research activities. The college has already applied for opening of Research Centres to the affiliating university.

### (B) MAJOR/MINOR RESEARCH PROJECTS:

During the last five years, the college has initiated significant research activity through UGC sponsored major and minor research projects as follows:

Nature of the Project and Name of the Teacher	Duration Year From To	Title of the project	Name of the funding agency	Status of conduct of the project	Total grant	
	w.e.f.				Sanctioned Rs.	Received Rs.
<b>Minor projects</b>						
Dr. Swarnlata Verma	31.3.2009 (18Months)	Counseling Therapy as a tool for reducing rate of family Violence	UGC,CRO, Bhopal	Completed	1,50,000/-	1,05,000/-
Dr. Zehra Hasan	8.1.2009 (18Months)	To study the non linear waves in dusty plasma.	UGC,CRO, Bhopal	Completed	100000/-	80,000/-

Dr. Bharti Verma	16.5.2009 (18 Months)	A study of forest, food and agro based industries in Durg	UGC,CRO, Bhopal	Completed	50,000/-	35,000/-
Dr. Bhawana Pandey	18 Months	Impact of Domestic waste water of BSP town ship on Macrophytes around the flow passage	UGC,CRO, Bhopal	Completed	1,25,000/-	95,000/-
Mrs. Sabiha Naz PI	18 Months	Characterization and identification of naturally lignophilic bacterial flora from the agro fields.	UGC,CRO, Bhopal	Completed	1,50,000/-	90,000/-
Co- PI	24 Months	Comparative study of reserved and non-reserved pond and its affect on microbial diversity in Durg Bhilai, Twin city, Chhattisgarh.	CG COST Raipur	On-going	3,00,000/-	1,50,000/-
Dr.Swarnlata Verma	18 Months	Financial management before retirement: current strategies &govt policies.	UGC,CRO, Bhopal	Completed	1,00,000/-	72,600/-
Dr. Rupam Ajeet Yadav	18 Months	Effect of socio economic status on body mass index & academic performance of college going girls	UGC,CRO, Bhopal	Completed	2,00,000/- On going	1,45,000/-
Dr. Zehra Hasan	24 Months	Isolation, Identification and Molecular Character. of Metal Toxic Resistance Microbes Present in Industrial Effluents	UGC,CRO, Bhopal	On-going	3,40,000/-	2,45,000/-
Dr. Sudha Agrawal	24 Months	Studies on Medicinal Plants of C. G. Region with Antibacterial, Antioxidant & Anti-tumour Activities.	UGC,CRO, Bhopal	On-going	3,55,000/-	2,85,000/-



Dr. Bharti Verma	24 Months	Role of Micro Finance In Women Empowerment in Durg District.	UGC,CRO, Bhopal	On-going	2,10,000/-	1,50,000/-
Dr. Bhawana Pandey PI	24 Months	A Study of Lipase Enzyme Production and Its Industrial applications	UGC,CRO, Bhopal	On-going	3,30,000/-	2,40,000/-
\ PI	24 Months	Comparative study of reserved and non-reserved pond and its affect on microbial diversity in Durg Bhilai, Twin city, Chhattisgarh.	CG COST Raipur	On-going	3,00,000/-	1,50,000/-
Co- PI	24 Months	Isolation, Identification and Molecular Character. of Metal Toxic Resistance Microbes Present in Industrial Effluents	UGC,CRO, Bhopal	On-going	3,40,000/-	2,45,000/-
Co- PI	24 Months	Study of Endangered Grasses in Durg – Bhilai Region	UGC,CRO, Bhopal	On-going	3,10,000/-	2,30,000/-
	24 Months	Study of Antimicrobial activity of some important weed plant used for health care by Gond Tribes of C. G.	UGC,CRO, Bhopal	On-going	5,00,000/-	3,90,000/-
Dr. Pratiksha Pandey	24 Months	Study of Endangered Grasses in Durg – Bhilai Region.	UGC,CRO, Bhopal	On-going	3,10,000/-	2,30,000/-
Mrs. M. Madhuri Devi	24 Months	Impact of Mobile Phone on Students' Learning in Durg District	UGC,CRO, Bhopal	On-going	1,90,000/-	1,40,000/-
Dr. Sandhya M. Mohan	24 Months	Study of Anti microbial activity of some important weed plant used for health care by Gond Tribes of Chhattisgarh	UGC,CRO, Bhopal	On-going	5,00,000/-	3,90,000/-

Dr. Mohana S. Pandit	24 Months	A Study of Child Labour Schools of Durg District of C.G. with special reference to infrastructure, student academic achievement and attitude of students and their parents towards school	UGC,CRO, Bhopal	On-going	1,00,000/-	
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**3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.**

Year	Seminar Organised
2006	UGC sponsored two days National Conference on “Current Trends in Physics”
2009	UGC sponsored two days National Conference on “Material Science”
2011	UGC sponsored two days National Conference on “Climate Change and its Effect on Biodiversity.”
2012	UGC sponsored two days National Conference on “Importance of Medicinal Plant in Toxicology and Reproductive Endocrinology”
2013	CCOST sponsored Science Day celebration on “Genetically Modified Crops and Food Security with special reference to C.G.”
2013	UGC sponsored two days National Seminar on “Conservation of Economically Important Endangered Plant Species of Chhattisgarh Region.”
2014	CCOST sponsored Science Day celebration on “Fostering Scientific Temper”
2015	UGC sponsored two days National Conference on “Recent Advances in Medicinal Plant Research”

Year	Workshop
2011	Seven Days workshop on “rDNA Technology” conducted by NiTZa Biologicals, Hyderabad.
2011	Three days workshop on “Mushroom Cultivation” conducted by Jan Sevak Samiti, Bhilai.
2012	UGC sponsored two days workshop on “Laser Physics and its Application”
2013	UGC sponsored two days workshop on “Luminiscence and its Application”
2012	Seven Days Workshop on “Enzymology” conducted by NiTZa Biologicals, Hyderabad.
2012	UGC sponsored four days National Workshop on “Mushroom Cultivation and its Post Harvest Management.”
2012	UGC sponsored two days workshop on “IT Security and Ethical Hacking.”
2013	Four days Workshop on Bioinformatics conducted by NRON Bioventure, Hyderabad.
2014	UGC sponsored two days National Workshop on “Best Management Practices”
2015	UGC sponsored two days National Workshop on “ Alternate Sources of Energy& Uses ”
2015	UGC sponsored two days National Workshop on “ Gender of Crime & Justice ”

**3.1.7 Provide details of prioritised research areas and the expertise available with the institution.**

These details have been enumerated at point number 3.1.5 earlier.

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

The Departmental Societies formed involve students in these activities and invite experts to deliver talks on current issues. The College encourages and has ensured students participation and provides opportunity to interact with them.. These lectures have helped in creating a vision and motivating the teachers and students to understand and explore new areas of research.

**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?**

There is no provision of Sabbatical Leave, however teachers can be given duty leave for pursuing research work as per the directives of UGC and State Government. . The College Management allows the use of equipments of the laboratories, modest facilities of the library and internet to promote a research culture in the campus.

**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 research finding related to academics is shared with the faculty and students through circulars and meetings. We are yet to get an opportunity to transfer the research findings to the community for their benefit and utilization.

**3.2 Resource Mobilization for Research.**

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

The institution is not a recognized research centre, hence, there is no specific allocation for research in the college budget. The grants received for minor and major

research projects from various sponsoring agencies are disbursed as per the requirement of the concerned teaching faculty.

The College is committed to provide assistance to the teaching faculty as well as postgraduate students to carry out research and project activities. The College management encourages research culture by setting up the required infrastructural facilities such as well-equipped library, laboratories, internet terminals, language laboratory for the purpose of facilitating research activities among the staff and students.

**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 the last four years?**

The role assumed by the institution is that of a modest facilitator only at present.

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

The institution does not provide any financial support to the students for the conduct of research. However, the institution provides support to students by making available all infrastructural facilities including ICT support for finalising their project works. Relaxation in the faculty stay in the college is provided daily in order to help the faculty to report at their research centers.

**3.2.4 How does the 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.**

The departments of Physics, Biotechnology, Chemistry, Botany, Zoology and Home Science have interdisciplinary research programmes and have a collaborative approach.

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

- The institution offers a number of facilities to its staff and students for research and academic purposes. These include library resources, N- LIST and INFLIBNET,

educational CD's and software, reading room and the computational facilities available in Computer Department. These facilities are utilized by teaching and student community.

The college has availed National Knowledge Network connectivity from April, 2012. The institution ensures the optimal use of various equipments and research facilities by mutual cooperation and organizes inter disciplinary academic activities.

**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.**

The institution has not received any special grants or finances from industry and any other agency till date.

**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.**

Research projects are funded by different funding agencies like UGC and CGCOST.

**3.3 Infrastructure for Research**

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

The college provides all infrastructural support available in the college.

**Library Resources:** Books, Journals, Periodicals and reference materials.

**ICT support:** Computer labs, internet and software, printers, scanners, photocopiers, video cameras etc.

**Equipment:** Inter departmental usage of equipment and other facilities is encouraged.

Grants as sanctioned by the UGC for Minor Research Projects are given to the faculty to procure the requisite equipment, chemicals and books etc.,. Duty leave can also be granted as per the provisions of the UGC.

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

The institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research are:

1. The institution has set-up a Research Cell under the IQAC for planning, upgrading and creating an environment suitable for conducting research activities.
2. The institution always motivates the staff to attend conferences, seminars, and research workshops and encourages them to present and publish research papers on these occasions.
3. The college motivates the faculty members to pursue major and minor research project sponsored by agencies like the UGC on the areas which are relevant to the students and the region.

**After taking into account the research needs of the teachers and students, the college focuses on the infrastructural requirements as follows:**

- (a) Purchase of necessary equipment/books and other reference material through the research grants received by the institution.
- (b) Making available at the institutional end other infrastructural facilities, not covered in research proposals by researchers.
- (c) Since all purchases under capital expenditure are deemed as assets, the college encourages the research proposals so that new assets can be added.

**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.**

No such special grants or finances have been received by the institution.

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

The staff and students usually work only on those research projects which can be smoothly conducted in the college itself using the existing facilities in the college.

However, if the research projects demand, the students and staff members can pursue research outside the college with prior permission of the concerned college. Teachers and students can also visit University departments and Library and use the resources available there being the bonafide students of the college affiliated to the University.

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

The College Library has 28,600 text and reference books in addition to scholarly journals and magazines, encyclopedias etc. Open access is provided to all the readers. The library subscribes to N-LIST programme through which access is provided to e-resources. Internet facilities with download and printing facility is also provided to researchers.

**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.**

At present no collaborative research facilities have been developed or created in the college by any outside research institutes.

**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): NIL**

**Original research contributing to product improvement:** Yes, research work in enzymology will be useful for the product improvement.

**Research studies or surveys benefiting the community or improving the services–** NIL

**Research inputs contributing to new initiatives and social development-** NIL

**3.4.2 Does the Institute publish or partner in publication of research journal(s)? If yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?**

The institute does not publish or partner in publication of research journals.

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

S.N.	Title of the Paper and Authors	Name of the Journal, Vol. No. Page
	<b>Physics Department</b> <b>Dr. Zehra Hasan</b>	
1	Global Warming and its effect on climate change in proceeding of National Conference on climate change and its effect on Biodiversity	Proceeding of National Conference on Climate Change & Its Effect on Biodiversity, 2011, 37-40, ISSN-81-202-87785.
2.	The Role of communication in effective teaching in present scenario	Lab to Land, vol: 04, No-15,ISSN-0975-283X.
3.	Antibacterial activity of various parts of plants against different bacterial strain	Proceeding of National Seminar:Utai,ISBN No. 81-202-8872-80.
4.	Antimicrobial Activity of species oils and their effect on food borne fungi	IJSR,(2014)ISSN:0976-2876(vol.1)pp111-114.
5.	Impact of counseling in reducing family violence	IRRJ, October 2014, ISSN:2347-3592, Vol-II, Issue-X, pp 97-101.
6.	Antimicrobial Activity of Spices Oils and their effect on Food Borne Fungi	IJSR, (2014) ISSN: 0976-2876 (vol.1), pp 111-114.
	<b>Botany Department</b> <b>Dr.Sushma Mene</b>	
1.	Temple Tanks- The ancient water harvesting system of Chhattisgarh and their multifarious roles.	IJSR(2014) ISSN: 0976-2876 (vol.1).
	<b>Dr. Pratiksha Pandey</b>	
1.	Ecological status of weed flora found in Bhilai Nagar.	IJSR (2014) ISSN: 0976-2876 (vol.1).
2.	Phytoplankton diversity and seasonal variations in the Shivrath river Durg.	Biomedical Research (2014)
	<b>Mrs. Deepti Chauhan</b>	
1.	Diversity of leafy vegetables used by tribal people of Chhattisgarh.	International Journal of Current Microbiology and Applied Sciences 3(4)2014.
2.	Phytochemical analysis of Adiantum and Pteris and its role as antioxidant.	IJSR(2014) ISSN: 0976-2876 (vol.1).
3.	Indigenous medicinal herbs used by tribal of C. G. for skin disease treatment.	IJSR(2014) ISSN: 0976-2876 (vol.1).
	<b>Ms. Anju Bhandari</b>	
1.	Ecological status of weed flora found in Bhilai Nagar.	IJSR(2014) ISSN: 0976-2876 (vol.1).
	<b>Home Science Department</b> <b>Dr. Sandhya Madan Mohan</b>	
1	Impact of Child labour on the Nutritional level & Developmental Aspects on children between 9 to 12 years	Bio Chemical Science Inter-Disciplinary International Research Journal Vol I, Issue -3, July 2011, ISSN 2230-8474
2	Modern Marketing & Society	Lab to Land An International Research Journal Vol 04, No. 13-A January 2012 ISSN No. 0975-282X



3	Women Entrepreneurship in India : Growth and Problems	AJM Asian Journal of Management An Int. Journal of Managerial Sciences, Vol. 05 Issue 2 April-June 2014 ISSN 0976-495X,
4	Stress due to Dual Role of Working Women	Indian Journal of Life Science An Int. Multi disciplinary Journal of Life Science) ISSN:2250-0138
5	Stress Management and Performance Status of Employees of Public and Private Banks	Indian Journal of Life Science An International Multidisciplinary Journal of Life Science ISSN:2250-0138
	<b>Dr. Swarnlata Verma</b>	
1	Diffusion of Innovation Through Communication: A Marketing Strategy	Research Journal Lab to Land, ISSN-0975-282X: 4(15),2012, 40-43
2	Level of Frustration decreases as the Age Level increases among Women	Journal of Mind and society ISSN-2277-6907:3(1&2), 2014, 645-646
3	Communication using technological tools: Tips and cautions induced	Proceedings of National Seminars by Swami SSS College Bhilai, Journal Lab to Land, ISSN-0975-282X: 2012
4	Collateral impact on family patterns as a function of social change	The International Journal of Humanities & Social Studies ISSN 2321-9203:2(8) 142-144, 2014
	<b>Dr. Roopam Ajeet Yadav</b>	
1	Impact of administration of Spirulina on blood glucose levels of selected diabetic patients	Research Journal Lab to Land, ISSN-0975-282X:2(7) 2010, 303-307
2	Effect of Spirulina on blood pressure levels of selected hypertensives in Bhilai township	Research Journal of Social And Life Sciences, ISSN-0973-3914,9 - 2010
3	Study of violence against women of Durg City	Research Journal of Social & Life Sci., ISSN-0973-3914, 139-142, 2012
4	Effect of Administration of Spirulina on Weight Management of over Weight subjects	Journal of eco-bio technology ISSN 2077-0464: 4(2), 2012, 231-233
5	Effect of Administration of Spirulina on Blood Glucose and Blood Pressure levels of selected subjects Suffering from both Diabetes and Hyper Tensions	Research Journal Lab to Land, ISSN-0975-282X:5(17) 2013, 26-30
6	Study of effect of Socio Economic Status of Academic Performance of College going Girls	Research Journal Of Social And Life Sciences, ISSN-0973-3914,16(II) 95-100, 2014
7	Study of Effect of Body Mass Index on Academic Performing of College going Girls	Research Journal Lab to Land, ISSN-0975-282X: Accepted
8	Study of Parental Education on Academic Performance of College going Girls	Journal of Mind and society ISSN-2277-6907: Communicated
9	Effect of Nutritional Counselling in the Management of Hypertension in Bhilai	IJHHS ISSN 2321-9203: Accepted
10	Study of effect of Socioeconomic Status on Body Mass Index on Academic Performance of College going Girls	Indian Journal Of Scientific Research, ISSN2250-0138 9(1): 146-153, 2014
11	Effect of Nutritional Counselling in the Management of Type II Diabetes in Bhilai Township	Journal of International Academic Research for Multidisciplinary ISSN 2320-5083

	<b>Mrs. Sarita Joshi</b>	
1	Stress Due to Dual Role of Working Women	Indian Journal of Life Science An International Multidisciplinary Journal of Life Science ISSN:2250-0138
2	Stress Due to Dual Role of Working Women	Proceedings of National Seminar (U.G.C.) New Frontiers of Stress & its Management ISBN 978-81-922784-4-5
	<b>Mrs. Rajshree Chandrakar</b>	
1	Essential Tools of Effective Communication	Research Journal Lab to Land, ISSN-0975-282X:2012, 817-818
	<b><u>Computer Science Department</u></b> <b>Ms. Salma Mohd. Shafi</b>	
1.	Ethical Hacking	Edu junction (Shodh PtriKa),C.G,Raipur Page 34-36, ISSN: 2278–3938, 2013
2.	Human Computer Interaction	Edu junction (Shodh PtriKa),C.G,Raipur Page 37-39, ISSN: 2278–3938, 2013
3.	Ethical Hacking	WILEY Publications Shaastrarth – An Internat. Multidisciplinary Conference Page 347 ISSN No. 978-81-265-4073-0,2013
	<b>Ms. Suraiya Bano</b>	
1.	Cryptography for secure Networking	Research Journal Lab to Land ISSN: 0975-282X
2.	Digital Signature in Message Authentication for Network Security	Research Journal Lab to Land, 2014 ISSN: 0975-282X
3.	IPV6 for Secure Networking	Research Journal Lab to Land, 2014 ISSN: 0975-282X
4.	Communication Using Technological Tools: Tips & Cautions in Use	Research Journal Lab to Land, 2014 ISSN No. 0975-282X
5.	Personality Development of Participants through Orientation Program	Research Journal Lab to Land, 2014 ISSN No. 0975-282X
6.	ICT Application for Quality Enhancement of Higher Education	Paper will be Published in National Research Journal (under process)
	<b><u>Hindi Department</u></b> <b>Dr Nisha Shukla</b>	
1	Rashtra bhasha Hindi ki sampresh-niyata:parivartan evam chunotiyan	Research Journal Lab to Land, ISSN: 0975-282X
	<b>Dr Pratima Mishra</b>	
1	Kamleshwar ki kahaniyon me bhashik chetna	International Refereed Journal ISSN: 097-6459
	<b><u>Commerce Department</u></b> <b>Dr. Bharati Verma</b>	
1.	Tourism marketing ethics.	LAB TO LAND vol. 04 13Jan., 2012 PP 94, 95, ISSN 0975-282X
2.	Development of human capital through proper education	Shastrarth“Wiley” PP 330 Feb 2013, ISSN No. 978-81-265-4073-0
3.	Scenario of women entrepreneurs in India	Asian Journal of Management ISSN 0976- 495X Vol. 05, 2014, PP 125-128,

	<b>Mrs.M.Madhuri Devi</b>	
1.	Ehics in marketing	LAB TO LAND vol. 04 No. 13 January, 2012 PP 81 to 82, ISSN NO. 0975-282X
2.	Development of human capital through proper education	Shastrarth“Wiley” February 2013 PP 330, ISSN No. 978-81-265-4073-0
3.	Women Entrepreneurs in Rajnandgaon Distt.	The IJHSS-Humanities and Social Sciences 2014, ISSN NO. 2321-9203
	<b>Dr.Nidhi Monika Sharma</b>	
1.	Development of human capital through proper education	Shastrarth“Wiley” February 2013 PP 330 ISSN No. 978-81-265-4073-0
	<b>Dr. Alpana Sharma</b>	
1.	Modern Marketing & Society	LAB TO LAND vol. 04 No. 13-A, 2012 PP 56-57,ISSN 0975-282X
2.	Women Entrepreneurship in India : Growth and Problems	Asian Journal of Management Vol. 05 2014, PP 170, 171-172, ISSN0976-495X
	<b>Ms. Khalida Begum</b>	
1.	Role conflict as a function of emotional intelligence, gender and school types among higher secondary school teachers	Journal of gender equality and sensitivity, Vol.-6, NO.-2, Pg.(67-77).ISSN:-0974-0554
2.	A study of role conflict of higher secondary school teachers.	Modern educational research in India, Vol-18(3), Pg. (9-13), ISSN 2319-6238.
3.	Impact of school types ,region and gender on emotional intelligence of higher secondary school teachers	Poscidon,Journal of commerce, Management and Social Science, Vol.No.-2,Pg.(1-5), ISSN:2277-6907
4.	Impact of emotional intelligence ,gender and type of school on the role conflict of higher secondary school teachers	Mind and Society, Vol.1, No.-3, Pg (7-13). Oct-Dec 2012. ISSN:0972-9844
5.	Role conflict of shikkshakarmis in Chhattisgarh	Edutracks. A monthly scanner of trends in educations, Pg.(38-40)Vol.12, 2013
	<b><u>Education Department</u></b> <b>Dr Mohana S. Pandit</b>	
1.	Shiksha dwara mahila shashaktikaran	Edu-Junction-Sodh Patrika ISSN-2278-3938,vol- 5 ,2013
2.	Vartman parivesh me vidyarthiyon ke bahuayami vikas me shikshak kibhoomika	Miracle of Teaching MPBIL/ 2001/7343 VOL-XIV,-2May-Aug 2013
3.	Shikshan Adhigam Prakriya mein Jeevan Kaushal Shikshan ki Upyogita	Edu-Junction-Sodh Patrika, ISSN-22783938 april 2013
4.	Uses of computer in social science	Shiksha Mitra ISSN-0976-3406,2010
5.	Role of communication in Education	Wiley-International Journal ISBN-978-81-265-40732013
6.	Media advertising as an effective method to present communication thought and ideas to boost moral values in education	LAB TO LAND-International Research Journal ISSN-0975-282X

	<b><u>BIOTECHNOLOGY DEPARTMENT</u></b> <b>Dr. Bhawana Pandey</b>	
1	Study of Curcuma Longa L. Parts from its different stages of growth as antimicrobial agents on Few Bacteria”	Proceeding of Climate Change & Its Effect on Biodiversity, 2011, 97-99, ISSN-81-202-87785.
2	Origin and History of Sickle Cell Anaemia”	Proceeding of To find out genetic relationship in sickle cell patient of Kabirdham district, 2011, 49-53, ISSN-81-202-8839-4, 978-81-202-8839-2
3	Biodiversity and Biochemical Properties of Genus Micromonospora Recovered from Gelatin Factory	Proceeding of Climate Change & Its Effect on Biodiversity, 2011, 41-44, ISSN-81-202-87785.
4	Differential Temperature & Growth Pattern of Bacillus subtilis strain isolated from Different area of Bhilai (C.G.)	Proceeding of Climate Change & Its Effect on Biodiversity, 2011, 97-99, ISSN-81-202-87785.
5	Global Warming and its effect on Climate Change	Proceeding of Climate Change & Its Effect on Biodiversity, 2011, 37-40, ISSN-81-202-87785.
6	Water Quality assessment of ground water resources in Dongargarh City (C.G)”	Lab to Land, Vol: 03, No.-9, 2011 ISSN-0975-282X.
7	Isolation, Purification and testing of antimicrobial activity of Beta- Lactam antibiotics from fungus	Journal of basic applied Microbiology, 2011, 10(I, II), 83-87.
8	Molecular cloning and expression of the lux genes of Vibrio fischeri	Advance Research in Pharmaceuticals & Biologicals , 2012, ISSN: 2250-0774.
9.	A Study of Useful and Harmful Effect of Herbs during Pregnancy	Sundar Subhesh 2012, 3 <sup>rd</sup> , 29-34, ISSN-0976-9552.
10	Study on Use of Traditional Indian Herbal Medicine	Sunder Subhesh 2012, 3 <sup>rd</sup> , 55-59, ISSN-0976-9552.
11	The Role of Communication in effective teaching in present scenario	Lab to Land, Vol: 04, No.-15, ISSN-0975-282X.
12	Studies on antibacterial property of Oyster Mushroom.	National Journal of Life Science, Vol: 9(1), 2011, 123-127. ISSN-0972-995X.
13	Studies on wound healing capacity of plants leaf extract using LAM assay	Life Science Bulletin, 2012, Vol: 9, ISSN-0973-5453.
14	Significance of Antioxidant Enzyme in stress signaling	International Journal of Advances. Pharmacology and Toxicology, 2012, Vol: 13,47-53, ISSN-0973-2381.
15	Antibacterial activity of crude extract of leaves of Pterospermum acerifolium	Indian Journal of Science, 2013, 5(14), 63-66. ISSN-2319-7730
16	Isolation of Microorganism for Bioremediation of Monocrotophos Pesticides	International Journal of current microbiology & Applied Sci. ISSN:2319-7706 Vol. Nov. (2013) PP 202-205.
17	Isolation and Characterization of Rhizobium Species from root of legume plant (Pisum sativum) and its antibacterial activity against different bacterial strains”	International Journal of Agriculture & Food Science, Vol: 3(4), 2013, 138-141, ISSN: 2249-8516.
18	Comparative study of antimicrobial activity of five Indian spices	Indian Journal of Scientific Research. 2012, ISBN-81-202-8872-6, 72-75.
19	Antibacterial activity of various parts of plants against different bacterial strain	Proceeding of National Seminar: Utai, Research Papers, ISBN No. 81-202-8872-6 978-81-202-8872-80.

20	Effect of pesticides and insecticides on biofertilizer	International Journal of Advanced Biological Research (IJABR). Vol. 3[4] Nov. 2013. ISSN 2250-3579.
21	Indian Spices and its antifungal activity	International Journal of Research in Engineering and Technology, 2013.
22	Production, Purification and antimicrobial activity of secondary metabolites obtained from different fungus”	National Journal of Life Science. 2013, 10(2), 247-250. ISSN 0972:995X
23	Isolation, Identification and characterization of bioluminescent bacteria ( <i>Vibrio harveyi</i> and <i>Vibrio fischeri</i> ) from marine water and Angel Fish”	Int. J. Pharmacl. Bio. Sci. 2013, 7(3), 59-67, ISSN 0973:6808.
24	Effect of Physicochemical changes in Sesame ( <i>Sesaman Indicum L.</i> ) seeds due to	Asian Journal of Life Science, Sep.-Dec.-2013, Vol.-3, Issue-3, 254-257.
25	Estimation of elemental contents & <i>Madhuca longifolia</i> and its antimicrobial activity against various pathogenic microorganisms	Indian Journal of Scientific Research and Technology, 2013 1(3):10-17. ISSN 2321:9262.
26.	Effect of Ageing on storage in biochemical and antioxidant characterization of Sesame ( <i>Sesamum Indicum L.</i> ) seeds.	Indo American Journal of Pharmaceutical Research. 2014, 4(01), 384-389. ISSN 2231:6876.
27.	To study the bioremediation of Monocrotophos and to analyze the kinetics effect of Tween 80 on fungal growth”	Indo American Journal of Pharmaceutical Research, 2014, 4(02), ISSN 2231:6876.
28.	A study of antimicrobial activity of some spices	International Journal of Current Microbiology and Applied Sciences, 2014 ISSN: 2319-7706.643-650.
29.	Effect of storage on mineral components and anti-nutritional characters of Sesame ( <i>Sesamum Indicum L.</i> ) seed	IJSR,(2014) ISSN: 0976-2876 (vol.1), pp 25-30.
30.	Clastogenic effect of soft drink on root tip of <i>Allium cepa</i>	Int.J.Curr.Microbiol.App.Sci (2014) 3(5): 200-206.
31.	Antimicrobial activity of spices oils and their effect on food borne fungi	IJSR, (2014) ISSN: 0976-2876 (vol.1), pp 111-114.
32.	Production, purification and optimization of Streptomycin from isolated strain of <i>S. griseus</i> and analysis by HPLC	IJSR, (2014) ISSN: 0976-2876 (vol.1), pp 149-154.
33	Phytochemical analysis of <i>Adiantum</i> and <i>Pteris</i> Ferns & its role as antioxidant	IJSR, (2014) ISSN: 0976-2876 (vol.1), pp 31-38.
34.	Antimicrobial activity of some medicinally important plants	IJSR, (2014) ISSN: 0976-2876 (vol.1).
35.	Estimation of elemental contents of <i>Cordia myxa</i> and its antimicrobial activity against Pathogenic M.O.	IJSR, (2014) ISSN: 0976-2876 (vol.1).
36.	Phytoremediation of chemicals by <i>Wedelia trilobata</i> , <i>Tecoma stans</i> and <i>Tagetes erecta</i>	IJSR, (2014) ISSN: 0976-2876 (vol.1), pp 165-169.
37.	Physiochemical analysis of <i>Pterocarpus santalinus L.</i> extracts	IJSR, (2014) ISSN: 0976-2876 (vol.1), pp 201-204.
38.	Screening of plant parts for anti tyrosinase activity by Tyrosinase assay using Mushroom	IJSR, (2014) ISSN: 0976-2876 (vol.1), pp 134-139.
39.	Ecological status of weed flora found in Bhilai Nagar	IJSR, (2014) ISSN: 0976-2876 (vol.1), pp 115-120.

40.	Study of physiochemical analysis of <i>Achyranthes aspera</i> extracts	IJPSR (2014), E-ISSN: 0975-8232; P-ISSN: 2320-5148 Vol. 5, Issue 8, pp 3378-3382.
41.	Study of antibacterial activity of <i>Achyranthes aspera</i> extracts	International Journal of Basic & Applied Science Research, 2014; ISSN : 2349-1965 (vol. 1 (1) pp 66.
42.	Collateral impact on family pattern as function of social change	International Journal Of Humanities & Social Studies, Aug-2014, ISSN 2321-9203, Vol.-2, Issue 8, Pp- 142-144
43	Phytoplankton diversity and seasonal variations in the Shivnath River, Durg	Biomedical Research, 2014.
44.	Analysis of physico-chemical characteristics of ground water	IJSR, ISSN: 0976-2876 (Vol. 9 (1)), pp 154-157.
45.	Stress management & performance status of employees of Public & Private Banks	IJSR, ISSN: 0976-2876 (Vol. 9 (1)), pp 158-162.
46.	Evaluation of antimicrobial potential of <i>Eucalyptus camaldulensis</i> L.	Journal of Pharmaceutical, Chemical and Biological Sci Volume 2 Issue 3, November 2014. ISSN: 2348-7645
47.	Study of impact of nutritional counselling in the management of hypertension in Bhilai township	IJHS, October 2014, ISSN: 2321-9203, Vol. 2, Issue 10, pp 109-112.
48.	Impact of counseling in reducing family violence	IRRJ, October 2014, ISSN:2347-3592, Vol-II, Issue-X, pp 97-101.
49.	Study of impact of nutrition counseling in the management of type II diabetes in Bhilai township	November 2014,ISSN:2320-5083,Vol 2,Issue 10,pp300-309
50	The assessment of water quality in Bhilai with reference to microbial parameter	IJCMAS, November2014, ISSN: 2319-7706, Vol 3, Issue 11, pp65-70.
51.	Phytochemical Analysis of <i>Adiantum</i> and <i>Pteris</i> Ferns & its role as antioxidant	Indian J. Sci. Res.4(1) 31-38, 2014 ISSN 0976-2876
	<b>Mrs. Sabiha Naaz</b>	
1.	Study of curcuma longa l. Parts from its different stages of growth as antimicrobial agents on few bacteria	Proceeding of National Conf. on Climate Change & Its Effect on Biodiversity, 2011, 97-99, ISSN-81-202-87785.
2.	Studies on antimicrobial property of oyster mushroom	National Journal of LifeScience, Vol:9(1)2011, 123-127.ISSN 0972-995X
3.	A Study of useful and harmful effect of herbs during pregnancy	Sundar Subhesh 2012, 3 <sup>rd</sup> , 29-34, ISSN-0976-9552.
4.	Study on use of traditional indian herbal medicine	Sunder Subhesh 2012, 3 <sup>rd</sup> , 55-59, ISSN-0976-9552.
5.	Studies on wound healing capacity of plant leaf extract using LAM assay	Life Science Bulletin, 2012, Vol: 9(1), ISSN-0973-5453.
6.	Isolation & characterization of ligninolytic bacteria from Bharda Khar agro field of Bhilai Durg	International Interdisciplinary Research Journal, ISSN 2249-9598ss
7.	Antibacterial activity of various parts of plants against different bacterial strain	Proceeding of National Seminar: Utai, Research Papers, ISBN81-202-8872-6 978-81-202-8872-
8.	A review: health benefits of Mushrooms.	Online international interdisciplinary research journal 2014. ISSN 2249-9598.
9.	A study for prediction of water quality of non reserve ponds of Durg Bhilai region for various purposes	Online international interdisciplinary research journal 2014. ISSN 2249-9598



10.	Women entrepreneurship: A healthy education for women in society.	Social science Reportier. 2013, 3(1): pp 47-49. ISSN 2231-0789.
11.	Role of Superoxide Dismutase during stress signaling in <i>Withania somnifera</i> (L.) Dunual.	Icfai J. of Life Sciences. 2008, 2(1): pp. 7-14
	<b>Mrs. Divya Paikara</b>	
1.	Antimicrobial Activity of Spices Oils and their Effect on Food Borne Fungi	IJSR (2014) ISSN: 0976-2876 (vol.1).
2.	Isolation, Qualitative and Quantitative Estimation of DNA from various sources	IJSR, ISSN: 0976-2876 (vol.1).
3.	Analysis of Physico-Chemical Characteristics of Ground Water	IJSR, ISSN: 0976-2876 (Vol. 9 (1)), pp 154-157, 2014.

**3.4.4. Provide details (if any) of Research awards received by the faculty: 01 (Fellowship Award) Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally:**

Honorary Fellowship Award (F.S.L.Sc.) has being given to **Dr.Bhawana Pandey** by Society of Life Sciences for outstanding contribution in the field of Life Sciences.

**Incentives given to faculty for receiving state, national and international recognitions for research contributions: NIL**

### **3.5 Consultancy -**

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

The institute has not devised any formal system or strategy for establishing an institute industry interface. We are connected with the industry and professional through industrial visits, study tours, internships and guest lectures.

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

The Institute has not declared itself as a Consultancy Centre at present, but it offers consultancy to the neighbouring industry and the people at large whenever solicited free of cost. The consultancy regarding the filling and filing of IT returns is one such example. We are contemplating the idea of being a full-fledged Consultancy Centre in the areas of HRM and Marketing, Rural Development as per the requirements of the region.

- The institute has a Placement cell and Career-guidance cell.
- The students get absorbed as per their ability and awareness to meet the standards of recruiting agency.

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

The institution motivates its staff members to utilize their expertise and facilities in the campus through the following mechanisms

- \* By giving awards and appreciation to the staff members.
- \* By sanctioning duty leave for various assignments of advanced training and learning.

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

The consultancy offered is informal and free of cost

- The college is serving the cause of higher education in the area since last 35 years
- The teaching staff members of the college are nominated as Members of Board of Studies of different subjects in autonomous colleges and Pt. Ravishankar Shukla University, Raipur.
- Our Sports officer Mrs. P. Lal has extended her expertise in the National Badminton Tournament.
- No revenue has been generated in the last four years.

**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 institution has not generated any income so far.

**3.6 Institutional Social Responsibility (ISR) and Extension Activities**

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

The institution is conscious of its role in its campus-community network. The students are involved in various activities to make them aware of their responsibilities towards the society.



These activities are:

1. Environmental Awareness Programmes.
2. Blood donation by the students
3. NSS conducts programmes on health, hygiene and awareness for the underprivileged.
4. Every year NSS organizes a camp in a neighbouring village for a week to give the students a feel of the village life. The students mingle with the villagers and organize camp fire and other activities to apprise the villagers with current issues and prevailing problems.
5. NSS has adopted a village and is instrumental in its development through constant monitoring.

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

- All students are required to list their areas of interest in terms of sports, cultural and literary activities at the time of admission,
- The students are enrolled for various activities of their choice accordingly.

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

**Students**

- Their opinions and suggestions are always welcomed ..
- Meeting the Principal personally to present their problems and seek solutions to them.
- Students can use the complaint box also.

**Parents**

- Parents-Teacher meetings.
- Direct interactions with the Principal, HODs, and Teaching staff.

**Alumni**

- Suggestions and interactions with faculty.
- The personal free services for small-scale workshops. The stakeholders' perception on overall performance and quality of the institution is generally reflected through the periodically conducted parent and alumni meetings. We also have an established feedback system by which we collect feedback on teaching-learning practices, teacher quality, infrastructure and facilities etc. from students through questionnaires.

Relavant actions are taken to implement the suggestions received from all stakeholders.

**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 college follows the academic calendar formulated by Department of Higher Education, Raipur and Pt. Ravishankar Shukla University, Raipur.

The institution plans and organizes its extension and outreach programmes through its various societies namely, NSS, Students Council and Activity societies.

Funds are allocated by the University for NSS activities,

**Table showing the budget allocations and expenditure academic year wise**

Year	Budget Allocation (Rs.)	Expenditure (Rs.)
2011-12	71000/-	78295/-
2012-13	71000/-	76537/-
2013-14	72000/-	74896/-
2014-15	72000/-	65347/- *Some activities are remaining

The expenditure over and above the budgetary provision is borne by the college/management. The major extension and outreach programmes during the last four years are as follows:

**Regular Activities conducted under NSS:**

- Programmes on Population Day, NSS Day, World Aids Day, Environment Day and National Day
- Personality Development Programme,
- Blood Donation Camp
- Awareness Rallies (drugs, tobacco, gutkha, liquor etc.)
- Organizing Camps at different places.
- Cleanliness Drives
- Water Conservation Projects

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

Community activities are a part of the college curriculum, Blood donation camps, health checkups and community services are rendered by teaching, non teaching and the student community at large.

**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 sections of society?**

The College conducts special programmes to empower students of the underprivileged and vulnerable classes of society.

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

**Objective-**

- The institute firmly believes in the integral growth of the individual. It has been our sincere effort to help the students understand the value of their education in their professional and societal life.
- The Lectures, Academic Seminars, Assignments, Class Examinations, Add- on courses, Certificate courses, Projects and On- job trainings offered by the departments help in imparting liberal and quality education to the students.
- The platform rendered by the N.S.S and departmental associations play a great role in inculcating moral values, character formation, social commitment, dignity of labour, aiming at the overall development of the students.
- The exposure they get from the extension activities and involvement in the life situations of the less privileged in the society complement the academic learning experience of the students.
- These activities refresh the environment of the institute as well. The major strength of this college is its ability to ensure holistic development of students to make them enlightened citizens.

### **Outcome**

- The results of the participation in the various socially relevant activities have resulted in making them aware of their responsibility towards the society .
- The students who have been a part of this process have been spreading awareness in the institution and motivating other students as well to work for the cause of social upliftment.

#### **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 initiatives of the institution that encourage community participation in its activities?**

The college maintains contact with the local self-government and nongovernment organizations (NGO's) in their works of social development and environment protection. Social groups and agencies also seek our support and participation in the programs. NSS units work in collaboration with the local bodies in their projects related to health, hygiene, sanitation, literacy, renewable energy, pollution control, social evils, blood donation and environment conservation thereby contributing to the development and welfare of the community at large . The college organizes these events at the place of their inhabitation thus facilitating the villagers to participate and thereby derive benefits.

#### **3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.**

The College as a whole contributes to healthy relationships with other institutions of Durg District.

- The institution has constructive relationships with other institutions of the locality.
- The NSS department co-ordinates all its activities under the norms of the University.
- The unit organizes Tree plantation, Village cleanliness drives and awareness activities like, Environment Pollution, Effects of pesticides on human life with the help of NGO's.

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

NSS Students have won many trophies and awards for their active involvement and works of excellence. The students have been awarded medals, certificates and awards for their good performance in extension activities by University and State Government.

**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.**

The institute collaborates with five Research Laboratories for dissertation of P.G. students and research works.

1. niTZa Biologicals (P) Ltd. Hyderabad.
2. Nron Bioventure Secunderabad
3. Bio Era (P) Ltd. Pune
4. Govt. P.G. Science College, Bilaspur
5. Govt. V.Y.T.P.G College, Durg

The Major and Minor research projects are completed through interaction with other laboratories, institutes and industries, as and when required. Industrial visits, study tours and surveys to collect data for research projects are undertaken. The institute also collaborates and helps in the seminars and conferences organized by other local institutes.

**3.7.2 Provide details on the 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.**

Institute has signed two MOUs with Laboratories for research works

1. niTZa Biologicals (P) Ltd. Hyderabad.
2. Nron Bioventure Secunderabad

**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 alumni of the institution, which hold, eminent positions in the society, provide support to the staff and students. Various industries permit the students of the institution to visit their premises. The HRs of the various local industries counsel and apprise the students for placements. Interaction with eminent personalities from various reputed universities and industries is very useful for the creation of establishing better academic facilities for staff and students.

Industrial Visits are arranged for the students of the College.

- a. Kedia Distillery Unit, Kedia
- b. Energy Park, Raipur
- c. Devbhog Industries, Kumhari
- d. Science city Raipur.
- e. Sugar factory , Kawardha
- f. Devleela Biotech, Raipur
- g. Aaditya Biotech, Raipur
- h. Hyderabad (CCMB, Zoological Survey, Botanical Survey, MGNIRSA)
- i. Lucknow ( CIMAP,NBRI,CDRI,ITRC , Science City, Biotech Park)
- j. Dongargarh Hills
- k. Sirigitti , Bilaspur
- l. Day Care Centers, Anganbadis and Vridhashram.
- m. Gobar Gas Plant, Durg, Chhatagarh

**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.**

S. No.	Name of Eminent Academicians/ Visitors	Organization
1.	Dr.Raghu Bhattacharya	Scientists Emeritus NPL, New Delhi
2.	Dr.B.C.Tripathy	School of Life Science, J.N.U., New Delhi
3.	Dr. S.K.Pandey	Vice Chancellor , Pt. R.S.S.U., Raipur, C.G.

4.	Dr. B.P Chandra	Ex.Vice Chancellor, Pt. Ravishankar Shukla Uni., M.P.
5.	Dr. Shashi Bhushan	Professor and Head, Pt. R.S.S.U. ,Raipur
6.	Dr.D.Kumar	School of Physical Sciences, J.N.U., New Delhi
7.	Dr. D. Varshney	School of Instrumentation, DAV, Indore, M.P.
8.	Dr.Meenu Varshney	Dept. of Physics, M.B.Khalsa College, Indore, M.P.
9.	Dr. R.K.Pandey	Dept. of Physics, Barkatullah University, Bhopal,
10.	Dr. A. R. Kulkarni	IIT, Mumbai, M.H.
11.	Dr. V. Ganeshan	UGC-DAE-SCR, Indore, M.P.
12.	Dr. F. Z. Haque	MANIT, Bhopal, M.P.
13.	Dr. Fehmina Zafar	Dept. of Chemistry, Jamia Millia Islamia, New Delhi
14.	Dr.Eram Sharmin	Dept. of Chemistry, Jamia Millia Islamia, New Delhi
15.	Dr. S. Sahoo	N I T, Durgapur, West Bengal
16.	Prof.Dr V.K Tripathi	School of Physics , IIT DELHI
17.	Dr. P.K. Sen	Department of Applied Physics, SGSITS, Indore, M.P.
18.	Dr. Pratima Sen	School of Physics, DAVV Indore, M.P.
19..	Dr. JP Andrews	Department of Applied Physics, SGSITS, Indore, M.P.
20.	Dr. K.V.R. Murthy	Department of Physics, M.S. University of Baroda, Guj.
21	Prof. Dr. K. Somaiah	Dean, Rajiv Gandhi University of Knowledge & Tech., Hyderabad
22.	Dr.SudhaChauhan	Scientist "F" Indian Council of Medical Research,New Delhi.
23.	Dr. Anand Kar	Professor in Zoology, Devi Ahilya University, Indore., M.P.
24.	Dr.Asmita Wele	Professor, Ayurveda College, Bharti University, Pune, M.H.
25.	Dr. Mandar Akkalkotkar	Professor, Ayurveda College, Sangamner, Dist. Ahmednagar
26.	Dr. A. K. Gupta	Professor & Head, S.O.S.in Life Sciences.,Pt. R.S.U.,Raipur
27.	Dr. M.P. Thakur	College of Agriculture & Research Station,Kwardha, C.G.
28.	Dr. R.C.Tiwari	Retired Medical Officer Ayurveda, Bastar, C.G.
29.	Dr. Maya Shedpure	Govt.D.B. Girls, P. G. Auotonomous College, Raipur , C. G
30.	Dr. Mahesh Mathpathi	Institute of Ayurveda & Integrated Medicine Bangalore.
31.	Dr. B.D. Singh	Prof. Dept. of Botany, BHU, Varanasi, U.P.
32.	Dr. A. Vaishampayan	Dept. of Botany, BHU, Varanasi, U.P.

33.	Dr. M.L. Naik	Dept. of Botany, Pt.RSU, Raipur, C.G.
34.	Dr. I.N. Mishra	LNMU, Darbhanga, Bihar, C.G.
35.	Dr. B.N. Tiwari	GGU, Bilaspur, C.G.
36.	Dr. Ramprakash	Jalgaon, Maharashtra
37.	Dr. V.K. Kanoongo	Govt. Science College, Raipur, C.G.
38.	Dr. Anil Shrivastava	Govt. Science College, Durg, C.G.
39.	Dr. Jamaluddin	Emeritus Scientist, RDVV, Jabalpur, M.P.
40.	Dr. D.K. Shrivastava	Govt. Science College, Bilaspur, C.G.
41.	Dr. R.K.S. Tiwari	Agriculture College, Bilaspur, C.G.
42.	Dr. A.K. Shrivastava	Govt. D.T. College Utai, C.G.
43.	Dr. M.P. Thakur	IGKV, Rajnandgaon, C.G.
44.	Dr. Veenapani Dubey	CMD, PG College, Bilaspur, C.G.
45.	Dr. Manjit Singh	Director, Directorate of Mushroom Research, Solan, H.P.
46.	Dr. G.K Awadhiya	IGKV, Raipur, C.G.
47.	Dr. M.R. Sinha	Rector, Kolhan University, Ranchi, Jharkhand
48.	Dr. B.N. Tiwari	GGU, Bilaspur, C.G.
49.	Dr. P.S. Bisen	Vice Chancellor, Jiwaji University M.P.
50.	Dr. R.C. Rajak	Prof. Dept. of Biosciences, RDVV Jabalpur, M.P.
51.	Dr. T.R. Sahu	Prof. Dept. of Botany, H.S. Gaur University, Sagar, M.P.

**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:** The college invites experts from various institutions to deliver lectures and for interaction with faculty and students.
- b) **Internship/ On-the-job training:** The local hospitals, small scale industries and business houses facilitate internships for our students.
- c) **Summer placement:** CDRI Lucknow, Biotech Park Lucknow, NBRI Lucknow, niTza Biological Hyderabad, Mitcon Pune, TFRI, SFRI Jabalpur, Rani Durgawati University, Jabalpur, Amul Milk Unit Gujrat, MP COST Bhopal, Din Dayal Research Institute Aarogyadham Chitrakut, MP, Pinnacle Biomedical Research Institute Bhopal, SGHCC Jabalpur, Dr, B Lal Institute, Jaipur, SLR Ranbaxy Lab Indore, Shri Dhar Bhatt Lab. Bangalore, National Institute of Cholera and Enteric Disease Kolkata,



Lupin Ltd. Mandideep, Bhopal, National Institute of Research in Reproductive Health Mumbai, Institute of Bioscience research Securandabad, CSBR Nagpur.

- d) Faculty exchange and professional development:** The research students of other institutions are invited to our college for interaction with student and teacher community. Our faculty in return accepts invitations by these institutions for delivering talks.
- e) Research:** Science students of the College make use of the facilities available at our institute for their research projects. Faculty also uses these facilities during their doctoral research.
- f) Consultancy:** NIL
- g) Extension:** Students participate in various training programmes in various industries, institutes and Laboratories during and after the completion of their academic sessions.
- h) Publication:** The proceeding of the National seminar on “Conservation of economically important Endangered plant species of Chhattisgarh region.” in the journal Indian Journal of Scientific Research, Varanasi ISSN 0976-2876 (print), ISSN 2250-0138 (online) has been published.
- i) Student Placement:** More than 35% students are placed in different institutes, industries and hospitals.
- j) Twinning programs:** NIL
- k) Introduction of new courses:** NIL
- l) Student exchange:** NIL
- m) Any other :** Academic collaboration within the University in the form of participation in conferences, seminars and workshops and outside the state and universities through refresher and orientation courses facilitate faculty exchange and professional development. It also facilitates research work. The faculty members of the institute are a part of the editorial board publishing national journals within the country.  
The institute in collaboration with NGO's and social institution organizes orientation for staff & students on various current issues.

These collaborative activities have resulted in creating well informed and intellectually enriched students for the society.

### **3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.**

The college has not yet done such systematic planning on linkages and collaboration, The individual departments establish linkages based on their academic needs

#### **Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.**

The College plans to encourage the faculty members to get involved in active research and to upgrade all P.G departments as research centers.

The institution has started contacting various organizations and resource centers which have the requisite expertise and resource persons for inter organizational activities and projects. There are no official linkages at present.

#### **A) Research/Publications**

<b>Area</b>	<b>Current Scenario</b>
Faculties with Ph.D.	21
Ph.D. Guides	02
Major research projects of U.G.C.	-
Minor research projects of U.G.C.	09
Books Published	01
Publications in Journals	134
Resource persons	10
Participation in Orientation and Refresher Courses	27
Student Research Activities at UG level	106
Avishkar (State Level Research Competition for Students)	-
Income tax returns filing facility	-

# **CRITERION IV**

## **CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**

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## 4.1 Physical Facilities

The College campus is centrally located in the Bhilai Township of Bhilai Steel Plant, spread in an area of 14 acres of land in khasra number 62/001. This land has been given by B.S.P on lease to Bhilai Education Trust, Bhilai, the founder registered body under M.P Public Trust Act 1951 with registration No.9BN3(2)1977-78 dated 18/9/1978. The building has been constructed in accordance with the master plan passed by Town Architect Planning Bureau, Town administration Department, B.S.P. Bhilai.

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

The management **Bhilai Education Trust**, is very supportive of all the curricular and extra-curricular activities conducted in the college and ensures that the college has necessary infrastructure to facilitate the conduct of these activities. As a result, there is always an upgradation of infrastructure and facilities every time some new course or programme is started. Over the years, thus, we have been adding buildings, classrooms, computer labs, equipment, furniture and fixtures etc. to the existing infrastructure. Recently, a new Auditorium cum Gymnasium with financial aid from U.G.C have been constructed in order to fulfill the requirement of current student strength.

The institution's policy regarding the infrastructure is in consistence with its academic development. We consider adequate infrastructure to be very important for the efficient conduct of teaching - learning process. We try to enhance the quality of our infrastructure facilities with the utilization of the different available funding sources. We have made continuous efforts for the effective functioning of the curricular, extracurricular and administrative activities, to improve the infrastructure and supportive facilities in the campus. The following infrastructure facilities are available at the institution.

- The **main building** comprises of various departments, spacious and well ventilated class rooms, a central library with a reading room, a Seminar Hall, laboratories for each subject, Principal's office, Administrative Office, record room, sports room etc.

- The canteen functions adjacent to the stage in the central courtyard of the college.
- The spacious play ground offers scope for the conduct of sports and other extracurricular activities
- Girls Hostel
- An indoor stadium Gymnasium cum Auditorium with financial aid from U.G.C is under construction under XIIth plan.
- Separate toilet blocks for students.
- Roofed parking area for staff and students.
- Hostel facility for girls with the help of U.G.C.

**4.1.2 Detail the facilities available for 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**

The classrooms are spacious, ventilated and equipped. Spacious Classrooms, furnished laboratories, faculty rooms, Research Laboratories, Laboratory Equipments are available for each departments. Slide Projector viz. Physics, Chemistry, Zoology, Botany, Microbiology and Biotechnology. The charts, models and display boards are also available. Facility of seminar hall is also available.

**Main Building (First Floor)**

(1)	Principal's Room (G.F.)	23.0' * 23.0'
(2)	Strong Room (G.F.)	15.6' * 12.0'
(3)	Staff Room (G.F.)	23.0' * 23.0'
(4)	Store Room (G.F.)	7.3' * 11.0'
	Store Room (F.F.)	7.3' * 11.0'
	Power Room (G.F.)	8.0' * 12.0'
(5)	Office Room (G.F.)	
	Room-I	15.6' * 12.0'
	Room-II	23.0' * 25.0'
(6)	Library Room (G.F.) (With One Dark Room & Two Store Rooms)	31.0' * 83.0'
(7)	Indoor Sports Room (F.F.)	23.0' * 23.3'
(8)	Make-Up Room (With Toilet Facility) (G.F.)	21.0' * 9.3'
(9)	Stage	40.0' * 27.0'

<b>(10)</b>	<b>Student's Common Room/Mgt. Room (G.F.)</b> (With Toilet Facility)	23.0' * 11.0'
<b>(11)</b>	<b>Class Rooms</b>	
1.	Room-1 (G.F.)	23.0' * 35.6'
2.	Room-3 (G.F.)	23.0' * 23.0'
3.	Room-4 (Opposite Physics Lab) (G.F.)	23.6' * 23.0'
4.	Room-5 (F.F.)	23.0' * 35.6'
5.	Room-6 (F.F.)	23.0' * 35.0'
6.	Room-7 (F.F.)	23.0' * 35.9'
7.	Hall-8 (F.F.)	46.9' * 23.3'
8.	Room-9 (F.F.)	35.0' * 23.3'
9.	Seminar Hall (F.F.)	51.9' * 23.9'
10.	Room-10 (F.F.)	23.9' * 35.6'
11.	Room-11 (F.F.)	23.9' * 23.9'
12.	Room-12 (F.F.)	23.9' * 23.9'
13.	Room-13 (F.F.)	23.9' * 23.9'
14.	Room-14 (F.F.)	23.9' * 23.9'
15.	Room-15 (F.F.)	27.6' * 22.6'
16.	Room-16 (F.F.)	23.9' * 17.0'
17.	Room-17 (F.F.)	23.9' * 17.0'
<b>(12)</b>	<b>Botany Department (G.F.)</b>	
1.	Botany Lab	23.0' * 46.3'
2.	Prep. Room	10.0' * 10.0'
3.	Store Room	23.0' * 10.3'
4.	Museum	23.9' * 38.6'
5.	Staff Room	16.0' * 11.3'
<b>(13)</b>	<b>Physics Department (G.F.)</b>	
1.	Physics Lab-I	23.0' * 46.3'
2.	Physics Lab-II	17.0' * 20.6'
3.	Staff Room	17.0' * 22.6'
4.	Dark Room-I	9.0' * 22.6'
5.	Dark Room-II	16.0' * 11.6'
6.	Store Room	9.0' * 20.6'
<b>(14)</b>	<b>Chemistry Lab (G.F.)</b>	
1.	Chemistry Lab-I	23.0' * 59.6'
2.	Chemistry Lab-II	23.9' * 49.3'
3.	Store Room	16.0' * 24.0'
4.	Balance Room	27.6' * 15.9'

5.	Staff Room	16.0' * 11.3'
<b>(15)</b>	<b>Zoology Department</b>	
1.	Zoology Lab (G.F.)	23.3' * 47.3'
2.	Store Room (G.F.)	26.9' * 11.6'
4.	Staff Room (G.F.)	18.6' * 11.6'
5.	Zoology Museum (F.F.)	23.3' * 59.6'
6.	Zoology Museum (F.F.) (Ostrology Section)	27.0' * 11.6'
7.	Zoology Museum (F.F.) (Display Room)	26.9' * 11.0'
<b>(16)</b>	<b>Home Science Department (F.F.)</b>	
1.	Textile Lab	23.0' * 46.3'
2.	Textile Store	23.0' * 10.3'
3.	Food & Nutrition Lab	23.0' * 46.3'
4.	Food & Nutrition Store	27.6' * 20.6'
5.	Clothing Lab	23.0' * 23.6'
6.	Clothing Store	16.0' * 12.6'
7.	Bio-Chemistry Lab	23.0' * 35.3'
8.	Bio-Chemistry Store	27.6' * 15.9'
9.	Prep./Staff Room	16.0' * 11.3'
<b>(17)</b>	<b>Computer Department (G.F.)</b>	
1.	Lab-I	23.0' * 11.6'
2.	Lab-II	14.0' * 23.0'
3.	Lab-III(Room-2)	23.0' * 23.3'
<b>(18)</b>	<b>Micro-Bio Department (G.F.)</b>	
1.	Tissue Culture Lab	23.9' * 7.0'
2.	Lab-I	23.9' * 25.3'
3.	Lab-II	23.9' * 25.3'
<b>(19)</b>	<b>Bio-Tech Department (Separate Wing)</b>	
1.	Lab-I	23.2' * 18.8'
2.	Lab-II	22.8' * 18.8'
3.	Lab-III	12.0' * 18.8'
4.	Lecture Hall	46.0' * 18.0'
<b>(20)</b>	<b>B. Ed. Department (Separate Wing)</b>	
1.	Seminar Hall	17.25' * 39.47'
2.	Educational Tech. Lab	14.73' * 45.36'
3.	Psychology Lab	16.50' * 8.53'
4.	Class Room-3	17.25' * 26.36'

## **Under Construction**

**1. Construction of Auditorium cum Gymnasium (with partial aid of UGC) =**  
Rs1,95,38,136

- a) Ground floor built up area-1171.80 sqm
- b) First floor built up area= 611.62sq m

**2. Construction of Library Building=Rs1,33,34,563**

- a) Ground floor-2552.00 sq feet
- b) Mezzanine floor-2365.00 sq feet
- c) Computer Lab-1407.84 sq feet
- d) Corridor-891.03 sq feet

**3. Ten classrooms-5831.81 sq feet**

Total cost of above construction=Rs3,28,72,699

### **Cycle Stand**

Cycle stand –I 46.41 \*15.37 Sq. meter

Cycle Stand–II 39.98 \* 5.49 Sq. meter

**(b) Extra – Curricular activities:- sports, outdoor and indoor games, gymnasium, auditorium, NSS, Cultural activities, Public speaking, Communication skills development ,Yoga ,health and Hygiene etc.**

The college has a regular post for sports officer Mrs Poornima Lal (M.P.Ed, Atheletic). The services of renowned coaches available in Bhilai are also taken as and when required for other games.

### **Sports Facilities- Gymnasium cum Auditorium (under construction)**

- 1. Cricket Volley Ball, Basket Ball
- 2. Kho-Kho
- 3. Boxing
- 4. Ball Badminton, Kabaddi, Soft Ball, Net Ball, Hand Ball, Hockey

The college also uses the sports ground of Bhilai Steel Plant



**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).**

In accordance with the institution's master plan in order to keep pace with its academic growth, new infrastructural developments are made as and when new programmes of studies are started. These include the renovation of existing facilities, construction of new rooms etc. The institution plans and ensures that the available infrastructure is optimally utilized.

- The College facilities are used to conduct university examinations and other functions like health awareness camps, personality development programmes etc.
- The working hours of the library are from 10.00am to 5.00pm on all working days .
- Our library provides open access to all our readers. Non-members like students, teachers and researchers of other institutes are also allowed to access our resources when required.
- The play ground and other sports facilities are also made available to the students

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

The institution ensures that the available infrastructure facilities meet the requirements of students with physical disabilities. Taking into consideration the special requests from such students immediate steps are taken for their assistance like:-

- Provision of extra time during examinations.
- Assistance of a writer.
- Arrangement of examination rooms on the ground floor.
- As there are no ramps in the college building at present the classes of the students are conducted in the ground floor only.
- Ramp way at the entrance of the main building and at the auditorium.
- The location of the College library, auditorium etc in the ground floor help in the easy accessibility of this group.

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

##### A. Hostel Facility

- The College provides hostel facility for girl students. At present, there is a girls' hostel under the College management with a capacity of housing 100 inmates.
- The college hostel has 34 rooms and 2 common rooms.
- The girls are provided daily with two hygienically good meals along with breakfast, tea etc. and a Special meal on Sundays.
- Rooms are 3-seated and furnished.
- The hostel is connected to the generator.

**Facilities for medical emergencies** - The hostel has a first aid box comprising of necessary medicines. In case of emergencies inmates are referred to the main hospital of Bhilai Steel Plant which is adjacent to the hostel.

- The hostel has a **constant supply of safe drinking water.**
- The hostel also comes under the vigil of **the College night security personnel**

There also exists a Hostel Committee comprising 8 members as follows:

- |                             |                                |
|-----------------------------|--------------------------------|
| • Dr. Zehra Hasan           | - Principal                    |
| • Mrs. Manju Agarwal        | - H.O.D., Chemistry and Warden |
| • Dr. Nisha Shukla          | - H.O.D., Hindi                |
| • Mrs. Purnima Lal          | - Senior Sports Officer        |
| • Dr. Madhulika Shrivastava | - A.P., Chemistry              |
| • Dr. Asha Rani Das         | - H.O.D., Mathematics          |
| • Dr. Bharti Verma          | - H.O.D., Commerce             |
| • Dr. Rajshri Sharma        | - A.P., Commerce               |

Besides this, the Hostel has a matron, 3 maid servants, 1 lady guard positioned at the hostel gate and 3 male guards near the boundary wall for the vigilance and care round the clock. The warden, matron and 2 maid servants reside in the hostel for the ultimate safety and care of the inmates.

- **Recreational facilities, Gymnasium, Yoga Centre, etc.**

The girls hostel has a reading room, with newspapers and magazines. Students are also allowed to watch television during their leisure hours in the recreation/ mess room.

**Other facilities include:-**

Moreover, the hostel dwellers also celebrate and enjoy on the following occasions:

- Freshers Party: with fun filling and exciting evenings
- Farewell Party: having colourful and wonderful evenings
- Janmashtami Celebration
- Ganesh Pooja of 10 days
- Tulsi Vivah
- Basant Panchami( Saraswati Pooja)
- Colourful and fun frolic Holi
- Ram Navami

Welfare activities conducted for the Hostel:

- Homoeopathic oral drops against epidemics like Chikenguniya and Swine flu as and when required from time to time.
- Yoga classes for their physical and mental wellness.
- Girls can attend Coaching classes with the approval of their guardians.

**B. STAFF QUARTERS**

Staff Quarters are available for both teaching and non-teaching staff members in different sectors of Bhilai Township. Currently 03 teachers and 03 non teaching staff members are availing this facility.

**C. Constant Supply of safe drinking water:** Yes

**D. Security:** Yes. The institution provides 24 hour security by deploying private security guards at all strategic points, besides the guard of the college..

**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?**

(a) The college has a First Aid box. 108 Ambulance Service is available immediately on demand. There is a hospital located in the vicinity of the college. Facility of 'Safety Insurance Premium for Students' is provided.

(b) Health & Hygiene awareness programmes are organized by the college time to time.

(c) The provisions made available to the students and staff in terms of health care are:

- **Lectures by medical officers and health awareness classes:-** The College organises health awareness classes on Cancer, AIDS/HIV, Life Style Diseases, Chicken Guinea etc..
- A **first-aid box** inclusive of the necessary medicines is kept in the College Principal's Office and sports room.
- **Homeo Medical Camp-** The NSS Unit of the College conducts Homeo Medical Camp occasionally.
- **Distribution of medicines:-** The NSS unit distributes Homeo preventive medicine to the students and staff of the College.

**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, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.**

The common facilities available on the campus includes:-

- There are **separate rooms for units** like IQAC, Counseling Centre, Career Guidance and Placement Cell.
- The **Seminar Hall** which is utilised for various College activities including regional and national seminars.
- The **National Seminars** where sessions are conducted with the help of communication equipments including an O.H.P., L.C.D. Projector and computer.
- **Recreational facilities** like play grounds and other sports facilities are availed of by both the staff and students.
- **Drinking water facilities-** Hygienic and purified water coolers with aqua guard are provided on all the floors in the main building.
- **The College canteen** is situated adjacent to the stage and is used for the students.
- Separate parking facilities for both staff and students.
- IQAC has been given a special space and facilities like computers, internet, printers, intercom etc. There are also enough stacking arrangements.

- Women's cell is situated in the college and is monitored by a Lady teacher
- Counseling and Career Guidance/Placement unit has also been given special room with computer/internet/printer/stacking facilities.
- There is no separate Health Centre. The Sports Department takes care of first-aid or any other medical situations. First aid box is also available in the Principal's office.
- For both the staff and students, newspapers, books and journals in the library, outdoor sports and indoor games like Badminton, TT, Carrom, Chess etc.
- Water coolers fitted with aqua-guard and water purifiers are available in all buildings.
- There is also a 125 KVA generator for power back-up.
- There are also standard sanitation arrangements for the staff and students.

## **4.2 Library 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?**

The Library Advisory Committee consists of –

1. Principal - Chairperson
2. All H.O.D.'s - Members
3. Librarian - Member/Secretary

The Library Advisory Committee gives advice regarding the purchase of books and journals.

### **4.2.2 Provide details of the following –**

- Total area of the library (in Sq. Fts.) -- 2573 Sq. Ft. ( 31.0' \* 83.0' )  
(With One Dark Room & Two Store Rooms)
- Total seating capacity -- 80 Persons in Reading Room
- Working hours (on working days, on holidays, before examination days, during examination days, during vacation -- 10 AM to 5 PM
- Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)
  - Reading Room
  - Reference Section
  - IT Zone

#### 4.2.3. How does the library ensure purchase and use of current titles, print & e-journals and other reading materials ?

Current titles are procured as per the recommendations of Library Advisory Committee-

**\* Specify the amount spent on procuring new books, journals and e-resources during the last four years.**

Library holdings	Year 2013 -2014		Year 2012 - 2013		Year 2011 - 2012		Year 2010-2011	
	No of Books	Total Cost Rs./-	No of Books	Total Cost Rs./-	No of Books	Total Cost Rs./-	No of Books	Total Cost Rs./-
Text & Reference Books	551	1,98,381	431	1,56,858	2471	6,37,086	1228	2,46,282
Journals and Periodicals	32	21,857	32	21,850	32	19,084	32	14,258
e-resources	N-LIST	5,000	N-LIST	5,000	-	-	-	-
Any other (specify)	-	-	-	-	-	-	-	-

#### 4.2.4. Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- OPAC -- NIL
- Electronic Resource Management package for e-journals - Shall be taken in near future
- Federated searching tools to search articles in multiple databases -- NIL
- Library Website -- We propose to develop our Library website
- In-house/remote access to e-publications-- College subscribes to N-LIST programme which provides access to 97,000 + e-books and 6,000+ e-journals .
- Library automation -- Locally developed S/W for Library Management (Granthalaya) worked w.e.f. 2005 – 2006 to 2012 – 2013. It has now collapsed & a new Library Management Software shall be taken.
- Total number of computers for public access -- 10 (Multiseat System)
- Total numbers of printers for public access -- 01
- Internet band width/ speed 2mbps 10 mbps 1 gb(GB) -- 10 mbps

- Institutional Repository -- Nil
- Content management system for e-learning -- Shall be taken in near future.
- Participation in Resource sharing networks/consortia (like Inflibnet ) N-LIST

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

- Average number of walk-ins -- 2400 Per Month
- Average number of books issued/returned -- 2100 Per Month
- Ratio of library books to students enrolled -- 17:1
- Average number of books added during last three years -- 1150
- Average number of login to opac (OPAC) -- NIL
- Average number of login to e-resources -- 450 Per Annum
- Average number of e-resources downloaded/printed -- NIL
- Number of information literacy trainings organized -- Informal Information literacy training is provided
- Details of “weeding out” of books and other materials -- Only Damaged Books are being written off once in a decade .

\*w/o Books Year 1986 – 1987 = 622

1999 – 2000 = 71

Total = 693 books

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

- Manuscripts -- NIL
- Reference -- Provided on Demand
- Reprography -- Provided on Demand
- ILL (Inter Library Loan Service) -- Readers from other institutions are allowed to refer our collection.
- Information deployment and notification -- Important News are notified .
- Download -- Provided to teachers
- Printing -- Provided to Principal & Staff
- Reading list/ Bibliography compilation -- Provided on Demand
- In-house/remote access to e-resources -- N-LIST
- User Orientation and awareness -- Provided to students in the beginning of each session in an informal way.
- Assistance in searching Databases -- Provided on Demand
- INFLIBNET/IUC facilities -- N-LIST

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

Help /support provided to readers as and when required, e.g. in locating the material and providing bibliographies/reading lists .

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

Personal assistance is provided to such persons

**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?**

Efforts are made to incorporate verbal suggestions of the users for the betterment of library services.

**4.3 It Infrastructure**

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

**Number of computer with configuration-**

- **Computer** – student ratio : 01:09
- **LAN facility** is available in all the computer labs
- **WI-FI facility** - Limited WiFi facility is available
- **Number of nodes/computers with internet facility** : 55
- **Any other-** 24x7 battery backup from the 125 KVA generator

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

The College has provided computers with internet facility which students and faculty members can avail on campus.

- The library has ten computers with internet facility.



- The office of the Principal and the Administrative office have 8 computers respectively with internet facility.
- Each department has atleast one computer.
- Teachers and research students can login to INFLIBNET N-LIST.

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

- a) Our management and administration have been alert and careful regarding the renovation, upgrading and maintenance of the IT infrastructure facility every year. Computers and concerned accessories are purchased and upgraded as per the requirement.

LCD projector for each department and at least one ICT enabled classroom are under consideration.

- a) The institutional plans and strategies for deploying and upgrading the Information Technology related issues are as follows:
- To purchase more computers for the students in view of the growing demand of IT skills;
  - We are planning to build another computer lab;
  - We are also planning to increase internet band width for speedier connectivity;
  - More educational software is proposed to be purchased in the UGC XII plan;
  - More LCD projectors are proposed to be purchased for innovative teaching methods.

#### **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 (Year wise for last four years).**

Sufficient provision has been made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution. The following table shows the list of computers and the accessories purchased during the last four years:

**Annual budget for procurement, up gradation, deployment and Maintenance of computers and their accessories for last four years (in Rs.)**

Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
<b>Building</b>	283166	39543	128004	336256	126427
<b>Furniture</b>	2485	4690	900	6650	7020
<b>Equipment</b>	1672	NIL	NIL	NIL	NIL
<b>Computers</b>	30795	46450	55650	59959	46046
<b>Vehicle</b>	NIL	NIL	NIL	NIL	NIL
<b>Any Other</b>	51604	181264	19610	101151	57139

**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?**

- ICT orientation has now become an order of the day in the Education field. In view of this, the college has also initiated the use of ICT for execution of curricula by way of PPT presentations, downloads of scholarly talks and educational videos, internet-based assignments for students.
- The institution makes maximum efforts to facilitate the use of computers for teaching – learning.

The University curriculum integrates the use of ICT. Both the P.G and U.G Programmes require the submission of assignments and the completion of projects and seminars. The faculty encourages student to make use of technology in the preparation of the same and also browse the internet to collect study materials. Students prepare powerpoint presentations for seminars. The College also arranges faculty training programmes whereby they are helped to develop computer aided teaching.

**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.**

- The college has to its disposal substantial IT related infrastructure and technology to take care of students' day-to-day curricular needs. There are 02 IT labs and one special

room with an LCD projector for ICT enabled teaching-learning activities. Similarly, laptops/LCD projectors are allocated to teachers for delivering PPT based teaching units of their respective syllabi. We also conduct classroom seminars where students have to make PPT presentations.

We also conduct special sessions for students where they are trained for creating email id's, sending emails, using internet, downloading material from the Net etc. Owing to the above, the students are now gradually shifting into the self-learning mode while teachers are more and more becoming the facilitators.

- (b) The learning activities and technologies deployed by the institution aim at placing the student at the centre of the teaching-learning process. Methods to achieve this include ICT, open access to the Broad Bands, Network Resources and Computer Lab etc. The faculty uses the available infrastructure in the teaching learning processes for PPT's, online presentation of important areas, sessions through LCD projectors, CD's, films, etc. The faculties are also encouraged to utilize the available infrastructure and e-learning tools to upgrade their knowledge.

**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?**

**Availing National Knowledge Network connectivity:** The college has availed National Knowledge Network connectivity.

The College applied for 10 Mbps Broadband Over Virtual Private Network (BBoVPN) under "National Mission on Education through Information and Communication Technology"(NME-ICT) scheme of MHRD, Govt. of India and was granted the same w.e.f. April, 2012.

**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)?**

Non-salary grants provided by the UGC are utilized on essential needs like furniture, equipments and maintenance of other facilities. College receives grants such as U.G.C development and U.G.C additional grants and from fees of self-finance courses.

Year	Building	Furniture	Equipment	Computers
2009-10	35.78Lakh	470648.00	494419.00	81640.00
2010-11	18.16 Lakh	200882.00	140048.00	44500.00
2011-12	04.06 Lakh	619343.00	1339406.00	695560.00
2012-13	1.02Crore	693882.00	838201.00	723848.00
2013-14	1.61 Crore	44745.00	498182.00	NIL

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

- The College Management plans the budgetary provisions for the various needs regarding the maintenance and upkeep of the infrastructure at the beginning of each academic year. They ensure the optimal utilization of the provisions in the budget for various activities.
- The College timely applies and receives special grants from the UGC for construction of buildings and purchase and maintenance of equipment. In case of construction and purchase of equipment of self-financing courses, the expenditure on maintenance and upkeep is borne by our management. Even in case of Grant-in-aid courses, all inadmissible expenditure incurred for maintenance and upkeep is borne by the management.
- The College takes necessary care and precautions towards the maintenance of its infrastructure facilities and laboratories. Pre-monsoon maintenance is undertaken. Furniture including benches, desks, tables, cupboards and chairs are repaired and some are replaced. Technicians are called for repairs of LCD, computers, laboratory equipments and apparatus.

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

The calibration and other precision measures for equipment/instruments are taken up as per the advice by manufacturers. Maintenance of equipments/instruments is being done by the respective maintenance agencies. Calibration of equipments by technical experts is carried out as and when necessary.

#### **4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?**

The major steps the institution has taken for location, upkeep and maintenance of sensitive equipments include the provision of UPS, inverter, diesel generator and a

24x7 battery backup for voltage maintenance. All the computer labs are supplied with UPS for regular backup and provisions for the same have also been made at major locations like the academic/administrative office, college library.

Electrical department of Bhilai Steel Plant has provided the college with a dedicated electric line. As such, there are no voltage fluctuations. College has a diesel operated 125 KVA electricity generator. Uninterrupted power supply using inverters is installed in all the existing computer laboratories. The Public Works Department of Bhilai Steel Plant has provided a steady water pipe line to the college. The college has huge water storage tanks which provide constant supply of water.

## **CRITERION-V STUDENT SUPPORT AND PROGRESSION**

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## 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?

Yes, The College Admission Brochure is published and updated every year along with the Admission form and given to each student wishing to seek admission to this college.

The information contained in the Admission Brochure includes the details of administrative and management body, college emblem, vision and mission of the college, important achievements of the last academic session, details of departments and faculties, various programmes offered, details of teaching and non-teaching staff, rules for admission, issue of certificates, attendance, general rules and regulations, the student's code of conduct of Pt. Ravishankar Shukla University, Raipur (C.G.), quality improvement programmes, rules for fee payment, internal evaluation system, college library and its rules, details of facilities available in the college, various associations and action plans, details of clubs, co-curricular activities, scholarships and fee concessions, endowments and prizes, the anti ragging Prohibition act 1998, academic calendar and important days to be observed.

The detailed information is given to each student through the college brochure. The institution ensures its commitment and accountability through an effective and proper management system. The College management delegates authority through the Principal. The Principal delegates authority through the College Council, IQAC and by constituting various committees which consist of Teaching Staff to plan, implement, monitor and evaluate all the above activities.

- Vision and Mission Statements
- Regulations and information regarding the library and sports activities.
- University and UGC circulars regarding unfair means, ragging, tuition fees, minimum attendance, misuse of mobile phones.
- Academic year at a glance with important events earmarked.

The **Prospectus** provides the following particulars along with the application form for provisional admission

- Information about the institution
- Details about the admission procedure

- Ordinance pertaining to examinations
- List of Undergraduate Departments, Postgraduate Departments
- Department of Physical Education and Sports
- Information on capacity building strategies through NSS, Associations.

The college adheres to the schedule of activities, rules and regulations mentioned therein.

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

**Scholarship given to Students**

S.N	Type of Scholarships	2013-2014 (in Rs.)	2012-13 (in Rs.)	2011-12 (in Rs.)	2010-11 (in Rs.)	2009-10 (in Rs.)
1	Post Metric Scholarship	NIL	16720	106384	NIL	30009
2	Central Sector Scholarship	NIL	NIL	NIL	NIL	NIL
3	Jharkhand State Higher Education Council Scholarship	57308	56688	NIL	NIL	NIL
4	Higher Education Merit Scholarship	NIL	NIL	NIL	NIL	NIL
5	Minority Girls Scholarship	209400	42000	57300	42000	42000
6	UGC Stipend of Rs. 5000/- per head	NIL	NIL	NIL	600000	NIL
7	Government Scholarships	85000	91410	47000	0	180000
8	State Merit Scholarship	NIL	NIL	NIL	NIL	NIL
9	Mines	NIL	NIL	NIL	NIL	6000

**5.1.3 What percentage of students receives financial assistance from state government and other national Agencies?**

The management provides concession in fees to the students who represent sports and extra curricular activity at District/State National Level.



#### **5.1.4 What are the specific support services/facilities available for –Students from SC/ST, OBC and Economically weaker sections-**

##### **(1) Students from SC/ST, OBC and Economically Weaker Sections:**

The SC/ST/OBC students are identified at the time of admission and a record of the same is maintained. Notices are displayed on the notice boards and announced in the class rooms and counseling is provided to them to avail scholarships and freeships instituted by the government and other agencies. Support is provided by the SC/ST/OBC cell of the college comprising of the teaching staff of the different departments deputed for processing their applications and disbursing the amount when it is sanctioned.

##### **(2) Students with Physical Disabilities:**

The students who are visually impaired are given examination papers half an hour in advance. The class having a student with a physical disability is allotted a class room on the ground floor.

##### **(3) Overseas Students:**

Not applicable to our institution .

##### **(4) Students to Participate in Competitions:**

The students are encouraged to participate in competitions and events at various levels. Training and practice sessions are co-ordinated by the Cultural Co-ordinator with the help of the faculty. Facilities such as Traveling Allowance (TA) and other expenses are provided and attence are given to them. Our faculty always accompanies the students for the competitions and events outside the campus and they are treated on duty.

##### **(5) Medical Assistance to Students:**

The institution organizes activities and programmes to promote good health among students and also to create awareness about health related issues. In case of emergency the students are taken to the adjacent Main Hospital of Bhilai Steel Plant escorted suitably by teaching staff.

##### **(6) Organizing Coaching Classes for Competitive Exams:**

The information of all forthcoming competitive exams is put upon the notice board. The institution allows interested coaching institutes of Bhilai to address the students.

**(7) Skill Development:**

The institution conducts talks and trainings in Soft Skills and CV Writing. Students are exposed to the latest media software and use of e-learning resources like online training manuals. Students are trained to present papers using the LCD. Facilities like LCD in classrooms, Internet through Wi-Fi, Learning Management System are made available for students. The college has used Spoken Tutorial programmes of I.I.T. Mumbai, to improve the information technology skills of the students.

**(8) Support for 'Slow Learners':**

Remedial classes in all subjects are conducted for slow learners and weaker students. Besides remedial classes, tutorials are also conducted for these students. Counseling through the Mentorship System also helps to monitor the progress of slow learners.

**(9) Exposure of Students to other Institutions of Higher Learning/ Corporate/ Business House:**

Students participate and present papers in seminars and workshops conducted by other institutions. Students are taken on field trips to industries, corporate business houses and institutions to give them firsthand experience. Spoken Tutorial programmes conducted by I.I.T., Mumbai supplement the teaching material for various IT related courses. Students are encouraged to register for various courses.

**(10) Publication of Student Magazines:**

The students contribute articles for the college magazine titled 'Ritika'.

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

- (a) There exists a Career guidance and Skill development Cell which helps the students by organising interdisciplinary interactive programmes with entrepreneurs, educationists and personnels from coaching institutes regularly on Career guidance.
- (b) The College regularly arranges industrial visits to inculcate in students the entrepreneurial skills. The College also takes initiative in inviting the experts from industries and business houses to guide the students. The College also organizes various workshops from time to time for the students to acquire the desired and required skills. Due to the above efforts, many students have gained practical

exposure to the real world scenario leading to the setting up of their own establishments.

**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 as a policy to ensure participation of students in extracurricular and co-curricular activities, organizes workshops to guide and prepare them to extract their inherent qualities. The cultural activities as a part of the academic calendar are organized. Various competitions such as quiz competitions, debates, sports, cultural activities provide a platform to the students. Best Performances are acknowledged and rewarded.

- **Additional academic support** : Relaxation in admission.
- **Flexibility in examinations** : Personal guidance and motivation to the students.
- **Special dietary requirements** : Guidance & allowances are given to the students.
- **Sports uniform and materials** : Players are given sports kits and uniform.
- **Any other** : Motivation to the students by awarding their excellence.

**(1) Additional academic support and flexibility in examination:**

Extra classes are arranged for those students participating in extracurricular events to make up for their absence in regular classes. The College examination is scheduled in such a manner so as to accommodate these students and enable them to appear for their exams.

**(2) Special dietary requirements, sports uniform and materials:**

Students participating in sports activities are given a practice allowance to be used for their diet requirements. They are provided with sportswear and a sports kit. In case of any injury during the game they are provided First Aid and then with the proper medical treatment

**(3) Any Other:**

The institution reimburses expenditure incurred by the students to participate in extra-curricular and co-curricular activities. The Cultural Coordinator and other faculty members monitor and guide the students participating in such activities. Inter-college,

Intra-college events and programmes are organized by the institution. Student-oriented events such as Social Service, NSS Camps, Study tours are annually conducted by the college. The College has instituted awards to recognize the achievements of outstanding students in sports and other co-curricular activities. The College declares champion of the year on the basis of their performance and achievements in the sports activities.

**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?.**

- (a) Remedial Coaching for SC/ST/ OBC under the XI<sup>th</sup> plan of UGC, New Delhi was organized in the College.
- (b) The College encourages, guides and trains students who appear for various National and State examinations. The faculty coach the students who wish to appear for competitive examinations. The library subscribes to a wide range of books and journals which serve as a ready reference meant especially for competitive examinations
- (c) The College has a full-fledged Career Guidance Cell which helps students in preparing for various competitive examinations. The College provides updated study material to students through the college library. The library has the study material for examinations like NET, SLET, CAT, GMAT, UPSC, Railway, Bank etc.

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

The institution has always strived to provide academic, social and psychological support to our students. The counseling services provided by the institution include:-

Department level guidance provided by class teachers for helping students to realise their strengths and weaknesses. Through such one –to- one interaction the faculties identify the problems of the students. They are then directed for expert counseling, if needed.

The institution has a Counseling Cell which monitors and directs counseling activities on campus. The Cell conducts talks, workshops and interactive sessions for the students during the academic year. A Professional Counselor is available on the campus. The Mentoring System monitors the overall performance of the students and provides academic, career and personal guidance. At the beginning of the academic year, the first year students attend an Orientation programme which initiates the introduction of a fresher to the academic and co-curricular activities of the college.

The various committees counsel students for their academic, personal, career and psycho- social needs.

**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 programmes). : Yes**

Every year the Career Guidance and the Placement Cell conducts programmes with the aim of preparing the students for interviews and enhancing their job opportunities.

- Soft skills and development sessions for final year and IV semester students
- HRD Programmes.
- Communication Skill Programmes
- Awareness programmes on competitive examinations

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

A suggestion box has been placed at a prominent spot in the campus where students can drop in their grievances.

- The grievances have been amicably addressed.
- Suggestions made by students for drinking water facilities, toilet facilities have been attended to and improved.
- Time Table has been suitably rescheduled in order to help students as far as transport facility for commuting to the College is concerned.

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

The college being a Girls institution, no such incidence has ever been reported.

**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?**

Yes. There is an Anti-Ragging Committee constituted for handling incidents of ragging inside the College. The committee consists of the Principal as the Chairperson, a senior most faculty as the nodal officer and other senior faculty as its members.

- The committee makes efforts to check and stop ragging instances in the college and ensures general discipline.
- During the annual admission process, the committee ensures to create awareness among the senior students regarding the seriousness of such activities.
- Activities of the committee include putting up posters at the main locations of the College in order to make students realize that ragging is an offence.
- Senior students are allowed to interact with the freshers in the presence of the teaching staff.
- No instance of ragging has been reported in the last four years.

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

The institution is committed to the overall welfare and wellbeing of its students.

Some of the schemes are listed below:

- Mentorship system
- Scholarships and prizes
- Remedial classes
- A Book Bank scheme for SC/ST/OBC and economically weaker students
- Students 'Safety Insurance Scheme'
- Flexibility in payment of fees depending on the financial constrain of the students.

**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 College has set up an alumni association with about 300 members which will soon be registered.

- The IQAC has an alumnus as a committee member.
- Eminent alumni who have distinguished themselves in their chosen fields are invited to deliver guest lectures and have interactive sessions with the students.
- Many alumni are employed as faculty in the college and play an important role in academic and institutional development.

## 5.2 Student Progression

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

A good proportion of students opt for Post Graduation after their U.G. course in the college itself and many students have also got placed in various prestigious institutes.

#### Student Progression

Year	UG to PG (%)	Employed (%)	Campus Selection (%)	Other than Campus recruitment (%)
2010 – 11	50	23	5	11
2011 – 12	65	52	7	12
2012 - 13	70	61	9	7
2013 - 14	90	72	11	2

### 5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-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.

#### Details of Programme-wise Pass Percentage: →

Programme	% Pass Percentage			
	2010 - 11	2011-12	2012-13	2013-14
<b>1.B.Sc.(Maths)</b>				
Year I	42.59%	52.63%	54.85%	67.64%
Year II	76.47%	71.42%	39.25%	95.74%
Year III	50%	80%	96.24%	69.09%
Average				
<b>2. B.Sc. (Biology)</b>				
Year I	25%	25.49%	42.21%	40.57%

Year II	7.69%	100%	80%	94.28%
Year III	21.73%	89%	91.67%	83.33%
Average				
<b>3. B.Sc. (Home Science)</b>				
Year I	80%	55.17%	42.85%	45.45%
Year II	86%	79.17%	65%	88%
Year III	100%	92%	100%	100%
Average				
<b>4. B.Sc.(Computer Science)</b>				
Year I	55.71%	83.56%	75.71%	80.83%
Year II	96.07%	98%	91.80%	98.80%
Year III	30.76%	96.32%	86.27%	94.64%
Average				
<b>5. B.Sc.(Microbiology)</b>				
Year I	96%	60.17%		54.16%
Year II	57.14%	89.47%		77.77%
Year III	51.72%	95.23%	90%	95.23%
Average				
<b>6. B.Sc.(Biotechnology)</b>				
Year I	88.23%	59%		73.68%
Year II	70%	100%		100%
Year III	40%	83.38%	100%	83.33%
Average				
<b>7.B.Sc.(Ind. Microbiology)</b>				
Year I		29.41%		54.16%
Year II		50%		50%
Year III		86.96%	100%	77.77%
Average				
<b>8.B.Com</b>				
Year I	47%	74%	73%	43%
Year II	52.63%	51%	88%	80%
Year III	76%	89%	96%	84%
Average				
<b>9. B.Com. ( With Computer Application )</b>				
Year I	80%	75%	79%	47%
Year II	52.63%	67%	93%	78%
Year III	76%	95%	100%	93.5%



Average				
<b>10. B.Ed</b>	97.88%	100%	98.95%	98.95%
<b>11. PGDCA</b>	96.66%	92.85%	90%	92.85%
<b>12. M.Sc.(Physics)</b>				
Semester I	45%		80%	100%
Semester II	100%	77%	100%	100%
Semester III			77.7%	
Semester IV			100%	
Average				
<b>13. M.Sc.(Botany)</b>				
Semester I	50%	50%	47.61%	100%
Semester II	77.77%	90%	90%	100%
Semester III		100%	100%	100%
Semester IV		100%	100%	100%
<b>14. M.Com</b>				
Semester I	93%	92.59%	100%	96.67%
Semester II	100%	100%	100%	100%
Semester III		100%	96.42%	76.92%
Semester IV		100%	100%	100%
<b>15. M.Sc.(Biotechnology)</b>				
Semester I	100%	100%	100%	100%
Semester II	87.5%	100%	100%	100%
Semester III		100%	100%	100%
Semester IV		100%	100%	100%
<b>16. M.Sc.(Maths)</b>				
Semester I	93.75%	100%	93.33%	100%
Semester II	100%	100%	100%	100%
Semester III		100%	100%	100%
Semester IV		100%	100%	100%
<b>17.M.Sc.(Computer Science)</b>				
Semester I	100%	91.67%	93.33%	71.42%
Semester II	100%	100%	100%	7.1%
Semester III		100%	100%	93.33%
Semester IV		100%	100%	100%
<b>18.M.Sc.(Chemistry)</b>				
Semester I	90%	100%	100%	50%
Semester II	100%	90%	100%	100%
Semester III		100%	100%	100%

Semester IV		100%	100%	100%
<b>19. M.Sc.(Microbiology)</b>				
Semester I	81.81	100%	100%	91.67%
Semester II	78.57%	100%	100%	100%
Semester III		100%	100%	100%
Semester IV		100%	100%	100%
<b>20. M.Sc.(Zoology)</b>				
Semester I	100%		100%	100%
Semester II	100%	50%	100%	100%
Semester III			100%	100%
Semester IV			100%	100%
<b>20. M.Sc.(Textiles&amp; clothing)</b>				
Semester I	100%		100%	100%
Semester II	80%	100%	90%	
Semester III			100%	100%
Semester IV			100%	
<b>20. M.Sc.(Human Devel.)</b>				
Semester I	100%		100%	100%
Semester II	80%	100%	100%	
Semester III			100%	
Semester IV			100%	

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

Generally, our U.G. students prefer to do P.G. courses in the institute itself. Most of them, however, go for some kind of employment or self-employment. At the institute level, we prepare our students for both higher education and employment. We have therefore started preparatory programme for Tally, Spoken English etc. for the student to secure employment. The college organizes guest lectures by renowned professionals for guiding the students. Special workshops are conducted on soft skills and interview techniques.

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

The College arranges extra classes for the weaker students and slow learners to help them to cope with their studies. The student approaches the teaching staff to clarify their doubts.

### 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.

\*Number of Students who represented the college as team members at different levels.

- **Sports Achievements**

#### Inter Collegiate Sports Tournament

Sports Name	2010-11	2011-12	2012-13	2013-14	2014-15
Hand Ball	12(Winner)	11(Runner Up)	15(Winner)	12(Runner Up)	16(Runner Up)
Badminton	04(Winner)	01	-	04(Runner Up)	-
Chess	06(Winner)	-	06(Runner Up)	07(Winner)	06(Winner)
Basket Ball	12(Winner)	-	-	-	-
Table Tennis	04(Winner)	03(Winner)	03(Winner)	04(Winner)	04(Winner)
Cricket	13(Winner)	14(Winner)	16(Runner Up)	16(Winner)	-
Soft Ball	13(Runner Up)	12(Winner)	15(Runner Up)	12(Runner Up)	-
Volley Ball	14(Winner)	12(Runner Up)	14(Winner)	10(Winner)	-
Atheletics	01(Third)	-	03	01(Second	05(Winner)
Kabaddi	-	01	-	-	-
Kho-Kho	-	12(Winner)	12(Winner)	-	-
Hockey	-	-	-	04(Trial)	-
Net Ball	-	-	-	13(Winner)	-
Ball Badminton	-	-	-	-	10(Runner Up)

#### NSS College Activities

Details	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Program Officer	I Dr. Madhulika Shrivastav	I )Dr. Madhulika Shrivastav	I)Rashree Chandrakar	I)Rashree Chandrakar	I)Rashree Chandrakar
	II Ms. Moushmi Dey	II )Dr. Bharti Verma	II)Rajshri Shukla	II)Rajshri Shukla	II)Rajshri Shukla
Place of Camp	Village Matwari	Village Kachandur	Village Pandar Dist. Durg	Village Ravelli Dist. Durg	Village Karanja Bhilai, Durg
Duration of Camp	13 Nov 2010-19 Nov 2010	05-Nov-2011-11-Nov-2011`	13-11-2012 to 9-11-2012	24-10-2013 to 30-10-2013	19-11-2014 to 25-11-2014
Project work	Tree Plantation, Making of road, cleaning around bore well	Maintaining and cleaning of play ground	Tree plantation, visit of red ribbon express at durg railway station , murmikaran, cleaning, whitewash	Tree plantation, hemoglobin and dental checkup, Door to door health and hygiene	Tree plantation, education to village children, Swasth

			of school building ,international Virdh Diwas observed , pulse polio rally and survey, organised pulse poliocamp .	survey garden formation, cementikaran, pulse polio mission	Bharat Abhiyan survey, Cleaning of school ground, pulse polio mission
One Day Camp	I Medical Camp II Dental Camp III Eye Camp IV Animal Camp V Legal Advice Camp	I Medical Camp II Dental Camp III Eye Camp IV Animal Camp V Blood group and Hemoglobin Test Camp VI Legal Advice Camp	I Medical Camp II Dental Camp III Eye Camp IV Animal Treatment V Legal Advice Camp VI Yoga Camp	I Medical Camp II Health Camp III Eye Camp IV Animal Treatment Camp	I Medical Camp II Dental Camp III Eye & Laprosy Camp IV Animal Treatment V Legal Advice Camp
Training and guest lecture and competition during seven days camp			Yoga , training Boudhik charcha by Bhartiya Pratibhuti evam Vinimaya, Address by Horticulture Deptt., Toy making , mehndi , Dance.	Guest lecture on World Suicide day, human rights, mental health, vaccination, Dengu, malaria, aids, artificial semen, yoga and karatae.	Competitions mehandi, rangoli
Competition	Games, Solo Song, Group Song, Solo Dance, Group Dance, Mehandi, Rangoli, Drama	Games, Solo Song, Group Song, Solo Dance, Group Dance, Mehandi, Rangoli	Games, Slogan, Recepies, Poster making, Mehandi, rangoli, Essay, Poet, Dance, Song	Games, Slogan, Recepies, Poster making, Mehandi, Rangoli, Essay, poet, Dance, song, drama	Games, Slogan, Recipies, Poster making, Mehandi, Rangoli, essay, Poet, Dance, Song, Drama
Certificate	'B' Certificate awarded to 22 students 'C' Certificate awarded to 07 students	'B' Certificate awarded to 27 students 'C' Certificate awarded to 10 students	'B' Certificate awarded to 30 students 'C' Certificate awarded to 30 students	'B' Certificate awarded to 21 students 'C' Certificate awarded to 17 students	'B' Certificate awarded to 25 students 'C' Certificate awarded to 09students
<b>Special Program (College level)</b>					
Dev Sanskriti Vishwa vidyalaya Shanti Kunj Haridwar Uttrakhand Bhartiya Sanskriti gyan pratiyogita pariksha			Students appeared 128	Students appeared 81	Students appeared 125

### **Cultural and Extra-curricular Activities:**

Co-curricular activities are organized by the various Cells, Associations and Clubs. These units organise cultural events both within and outside the college campus. The college also provides opportunities for the students to get trained in various skills such as quiz competitions, debates, music, dance, poster-making etc.

The College organizes and participates in inter-collegiate events with the twin purpose of exposing our students to a competitive spirit and to build in them enduring qualities that will help them cope with challenges after their college years.

#### **District Level Inter Collegiate Competition**

<b>2010-11</b>	<b>Debate Comptt.</b>	<b>Firdous Pratibha Kosre</b>	<b>First Third</b>
	Group Dance	Ruchi & group	Second
	Group Song	Toshiki & group	First
	Extempore	Varsha Verma	Second

**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.**

#### **NSS Achievements**

<b>Details</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>2013-2014</b>	<b>2014-2015</b>
Certificate	'B' Certificate awarded to 22 students 'C' Certificate awarded to 07 Students	'B' certificate awarded to 27 Students 'C' Certificate awarded to 10 Students	'B' Certificate awarded to 30 students 'C' Certificate awarded to 30 Students	'B' Certificate awarded to 21 students 'C' Certificate awarded to 17 Students	'B' Certificate awarded to 25 students 'C' Certificate awarded to 09 Students

#### **State Level Sports Tournaments**

<b>Sports Name</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>
Hand Ball	05(Winner)	07	08(Winner)	05 ( Winner )	05 ( Winner )
Badminton	01	01 (Runner Up)	-	-	-
Chess	03 (Winner)	-	-	02(2 <sup>nd</sup> Rank)	-
Basket Ball	04 (Runner Up)	02	01	-	01
Table Tennis	-	-	02	02 (Runner Up)	02 (Runner Up)

Volley Ball	03 (Winner)	03 (Winner)	03(Winner)	04 (Runner Up)	05 (Runner Up)
Atheletics	-	-	-	01	-
Kabaddi	01(Winner)		-	-	-
Kho-Kho	-	05 (Winner)	05(Winner)	-	01 (Winner)
Hockey	-	-	04(Winner)	-	-

### East Zone Sports Tournaments

Sesssion	Events	No. of Students
2010-11	Volley Ball(Winner)	04
2011-12	Kho-Kho (Winner)	03
	Volley Ball	02
2012-13	Kho-Kho	04
	Hand Ball(Winner)	02
	Volley Ball	02
	Table Tennis	02
2013-14	-	-
2014-15	Table Tennis	01
	Volley Ball	01

### North East Zone Sports Tournament

Session	Events	No. of Students
2014-15	Kho-Kho	01
	Hand Ball	01

### Central Zone Sports Tournament

Session	Events	No. of Students
2013-14	Badminton	01
	Volley Ball	04
	Table Tennis (Winner)	01
	Hand Ball(Winner)	02

### All India Sports Tournament

Session	Events	No. of Students
2010-11	Cricket (Winner)	03
	Cricket(BCCI) Shillong	02(Winner)
	Soft Ball	02
2011-12	Cricket (BCCI, Meghalaya)	03(Winner)
	Cricket ( Jounpur)	05
2012-13	Cricket	02
	Hockey	04
2013-14	Volley Ball	04
	Soft Ball	02
	Hockey	03
	Cricket	03
	Hand Ball	02
	Net Ball(Winner)	01
	Table Tennis	01
2014-15	Table Tennis	01
	Hand Ball	01
	Ball Badminton(Runner Up)	03

### International Sports Tournament

Session	Events	No. of Students
2013-14	Hand Ball	01

### Students - Special Achievements

Name of Student	Sports Name	Award	Amount
Preeti	Cycle polo, Rajasthan	Rajiv Pandey Award	28000
Kanchan Mahanand	Handball, Sweden	Participated	Nil

### \*Cultural Activities:

#### National Level All India Inter- University Youth festival

2013-14	Cartooning competition at Kurukshetra University	Pratibha Sahu	Participated
2013-14	All India Kho Kho Tournament, Amritsar	3 Participants	Participated

#### Zonal Level Inter - University Youth festival at Kalyani

Year	Inter university Youth festival at Kalyani	Groups	Positions
2010-11	1. Group Dance 2. Group Song 3. Elocution	Ruchi & group Toshiki & group Firdous	Second First Participated
2012-13	Inter university Youth Festival at Hyderabad	Babita Tandi	Participated
2013-14	1. Interuniversity Youth festival at Warrangal 2. Group Dance 3. United Nation information centre Bhutan organized by Ramchandra Mission Essay competition	Pratibha Sahu  Garima Gangrale & group Durga Sahu	Second  Participated  Third

#### State Level

2010-11	Group Song CG Foundation Day	Toshiki & group	Special Award
2011-12	Chhattisgarh State Human Right Commission Essay Comptt.	Khushboo Dewangan	Consolation Prize
2013-14	Poster competition on the occasion of ozone protection day	Nivedita Sarkar	Consolation Prize

**5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?**

The College collects feedback from students of the UG & PG departments. The same is discussed and analyzed in the general meetings held by head of the institution. This feedback from the students provides valuable input for improving the institutional support services.

**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.**

Students submit articles to be published in the College Magazine and Wall Magazine.

**5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

Yes, The College student council is constituted as per directives given by Department of Higher Education, Chhattisgarh Government, Raipur and Pt. Ravishankar Shukla University, Raipur. The details of the Student council is given below . The required funds are generated by collecting stipulated fee as per Govt. directives for the purpose from the students as a part of their fees.

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

- Each Post graduate department of the college has its association through which different academic activities like (Lectures/ Seminars/ Workshops/ Competitions are organized by the Association.
- **Student Union Elections are held under the directions of C.G. Government Higher Education Department, Raipur vide Ordinance number (1) -Student Union in College and Universities and Teaching departments / school of studies - and Ordinance number ( 2 ) Vide letter no. F 17 – 3 / 2012 / 38-2 Raipur dated 13 /8 /2014 .**
  1. Office bearers have been elected.
  2. 44 class representatives have been elected or nominated



3. 10 students have been nominated to each of the 11 activity Society
4. Cultural Society
5. Fine Arts Society
6. Knowledge Society
7. Computer Literacy Society
8. Book Reader Society
9. Science Club Society
10. Gender Issue Society
11. Current Affairs Society
12. Social Work Society
13. Physical Activity Society
14. Dramatics Society

**Entrepreneurship Development Programme organized for  
U.G. and P.G. students of the college.**

S. No.	Year	Date	Programme	Sponsored by	No. of participated
1	2010 -2011	22.11.10 – 4.01.11	6 Week training	DST New Delhi & CITCON Raipur	27
2	2010 -2011	5.01.11 – 7.01.11	3 days workshop	CITCON	30
3	2012-2013	26.11.12 – 28.11.12	3 days workshop	CITCON	30
4	2012 - 2013	28.12.12 – 29.12.12	2 days awareness Camp held at BIT Bhilai	CITCON	05

**5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution. .**

- The IQAC has an alumnus as a committee member.
- Alumni who are eminent personalities and who have distinguished themselves in their chosen fields are invited to deliver guest lectures and have interactive sessions with the students.
- Many alumni are employed as faculty in the college and play an important role in academic and institutional development.
- Institution collaborates with alumni and former faculty of the institution by extending invitations for attending of various academic and extracurricular activities.

## **CRITERION-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:** To be acknowledged as a pro-active institution which strives hard to fulfill the aspirations of students, help them in developing sound knowledge base, correct skills, attitudes and understanding to enable them to sail confidently through complexities and challenges of life.

**Mission:** To respect and honour humanity at large and serve the society for the betterment of mankind, we endeavour...

- 1 To impart education to students belonging to different strata of society irrespective of cast, creed or colour.
- 2 To uplift the deprived and academically weak students by empowering them with latest knowledge.
- 3 To equip the students with essential skills to sail confidently through life's complexities and challenges.
- 4 To cultivate the qualities of perseverance, dedication and excellence in the students.
- 5 To prepare competent citizens with strong and unflinching character.

#### **Objectives :**

- To enable our students to develop their full intellectual potential through a focused academic experience that is simultaneously rich, extensive and collaborative.
- To offer the students a scope for critical thinking and discernment, leading to the development of value based convictions.
- To help the students develop a degree of self reliance and determination, to respond with courage and sensitivity to personal and social issues.
- To generate among students an awareness of women issues, human rights and environmental issues, so that they can understand and respond constructively to these.
- In the context of globalization, to foster in students a sense of national identity that is secular and multicultural with respect and tolerance for all cultures and religions and for humanity at large.

### **6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?**

The College is run by Bhilai Education Trust. The Governing Body directs the Principal to act according to the decisions taken by the Body and the Principal takes the message to the faculty. The Principal leads a team of faculty members, along with other stakeholders in formulating policies and plans. The College Staff Council, comprises of the Principal and the entire teaching staff of the college. The decisions taken in the Governing Body are conveyed to the College Staff Council by the Principal. The College Staff Council plays a vital role in the functioning of the College. The HODs are responsible for the day to day functioning of their respective departments. The policies, plans and department matters are discussed during the departmental meetings. The Principal has regular meetings with the faculty members who exert their efforts for achieving the goals of the institution.

The Management, the Principal and the faculty work in coordination to formulate and implement its quality policy and plans for assurance and sustenance of quality in higher education. The IQAC, the different committees, cells and clubs are formed with the teaching, non-teaching staff and the students of the college as members. These committees are delegated duties and responsibilities aimed at better governance. They discuss various matters within their purview (like the programmes to be conducted, infrastructural facilities, conduct of examinations etc).

The administrative staff is also entrusted with responsibilities. The infrastructural requirements and their installations in the departments are monitored by the Principal.

The Principal looks after the day-to-day functioning of the college affairs in collaboration with the teaching and non-teaching staff. The faculty puts in their best for the growth of the college.

### **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
- Champion organizational change
- The policy statements and action plans for fulfillment of the stated mission

- **The Policy Statements and Action Plans**

Leadership is participatory and collaborative. The Principal and Heads of departments plan the activities and the programmes in tune with the stated policy of the college. Accordingly, action plans are formulated.

- **Formulation of Action Plans**

Action plans are formulated during departmental meetings and college faculty meetings. As per the academic plan, the plans are incorporated and executed.

- **Interaction with Stakeholders**

The Parent-Teacher Association and Alumni Association have been formed. Representatives of stakeholders and members include persons from industries and society who are included in the IQAC. Meetings are held and suggestions are welcomed.

- **Support for Policy and Planning through Analysis, Research Inputs and Consultations with the Stakeholders**

Suggestions given during meeting with stakeholders are given due consideration in designing of the college plans. Parents, alumni and others always support the activities of the college.

- **Reinforcing the Culture of Excellence**

The faculty undertakes research projects and some pursue doctoral research. The college conducts an annual Faculty Enrichment Programme. Members of the Faculty attend seminars/workshops held at the State and National level where they present research papers. They share the inputs gained from these seminars with other faculty members. Individual departments also organize seminars/workshops in the college.

**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 Head of the institution as well as the faculty and staff look after the purpose, fulfillment and demands of the planned policies.
- Various committees are formed by the Principal to meet the functioning and evaluation of the plans and policies.
- IQAC focuses on the improvisation of quality features of plans and policies executed.
- The outcome of the execution of plans is reviewed and strategies are worked out to make the system more efficient and the policies more effective
- The action plan recommended in consultation with specialists of respective discipline is monitored.

**6.1.5 Give details of the academic leadership provided to the faculty by the top management?**

The Chairman and the members of the trust visit the college and keep track of the academic functioning of the college.

- The members of the Governing Body meet to discuss the issues and problems pertaining to the college.
- The Principal and the Management encourage the faculty members to organize and participate in seminars, workshops, training programmes, submission of projects, and go for higher studies.
- The faculty is entrusted with special responsibilities in curricular, co-curricular and extra-curricular activities.

**6.1.6 How does the college groom leadership at various levels?**

**Faculty**

The faculty members are initiated to develop successful academicians and researchers.

- Workshops and training programmes are conducted for their career and personal growth. The Senior most staff is designated as the Head of the department who

monitors and guides the students and staff of her respective departments in all matters pertaining to quality and quantity.

- The Principal nominates the faculty as incharge of various activities both curricular and extra -curricular on the basis of their skill and interest in the respective activities .
- The faculty members are appointed as incharge of the various cells / associations and clubs to ensure that the various events and activities organized by these clubs are conducted timely, smoothly and successfully .
- Faculty members are also entrusted with Government assignments and duties like census work and election and also to work with NGO's. They also organize seminars and other events independently .

### **Students Leadership**

Students interested can contest to be elected for different posts of Students Union. These students are either elected or nominated on the basis of the academic performance in the qualifying examination for various posts as per the directives of the affiliating University.

The office bearers are appraised with the problems and issues faced by the students, the solutions to which are found by discussions and deliberations.

- Every class has a Class Representatives.
- PG departments have their own associations and the President, Vice President, Secretary
- Treasurer are nominated from amongst the students.
- Various cells and clubs have also been constituted to ensure the smooth organization of academic cultural, literary and sports activities.

### **Administrative / Supporting staff**

Office Administration is headed by the senior most clerk. They manage the admission, fee collection of the different streams, examination related works,documentation of results and managing the financial accounts. Their work proficiency is enhanced through regular monitoring and guidance of the college management.

**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 ensures decentralized governance by delegating authority and providing autonomy to all the units of the institution.
- The College Council headed by the Principal with the support of HODs and various committees play a pivotal role in decision-making.
- Administrative powers and responsibilities are delegated to teachers on the basis of their competence, commitment and aptitude to meet the institutional objectives.
- The IQAC coordinator collects feedback from students and monitors academic activities.
- The HODs are responsible for task allocation and monitoring.
- The departments meet formally and informally to discuss work distribution, evaluate the performance, take remedial measures and prepare action plans for future development.

Assignment of workload, planning and purchase of departmental assets are made at the departmental level. Each department plans and organizes the academic activities related to its subject. They are given freedom to invite guest speakers, accompany students for field trips and other events outside the college.

**6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management.**

Yes, the College promotes a culture of participative management. Meetings of the faculty, IQAC, Departments and Student Council are regularly held where issues are discussed. Institutional plan is developed by the Principal and faculty in consultation with the Management.

- The HODs and the senior faculty are actively involved in the decision making process.
- The planning and decision making in financial matters rest with the Management and the Principal. Appropriate financial allocations on priority basis are made for various schemes.



- The IQAC is constituted as per the norms of the UGC. This ensures the involvement of teaching and non-teaching staff, students and the management in the decision making process.
- Members of the non-teaching staff and students are included in different working committees along with the faculty members.
- The teaching and non-teaching staff members also have associations of their own. During these meetings, issues are discussed and opinions sought on matters concerning them.
- As a part of the participatory management approach, all the stakeholders are thus involved in the process of decision making based on shared insight.

## **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?**

The institution has a quality policy in order to cater to the requirements of our educational community. This is reflected through the college vision, mission and objectives.

The educational needs of the region have also contributed to the shaping of the policy. As our institution is essentially a grant-in-aid institution as well as self-financing affiliated to Pt. Ravishankar Shukla University, Raipur we have to be very proactive in keeping the balance between quality and quantity.

In order to ensure quality education at reasonable cost, we have made the following policies:

- The fees is charged for all courses to provide the requisite facilities.
- Well qualified and full-time faculty has been appointed for self-financing courses.
- Both the aided and the self financing courses are treated at par without any discrimination.

The above policies and other related issues are taken up for review as follows:

1. Staff Council Meeting
2. IQAC
3. Bhilai Education Trust

**6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

The Emphasis of the College Mission has always been commitment to our students and empower them as enlightened citizens, we plan to follow such practices so that we can extract the best out of them.

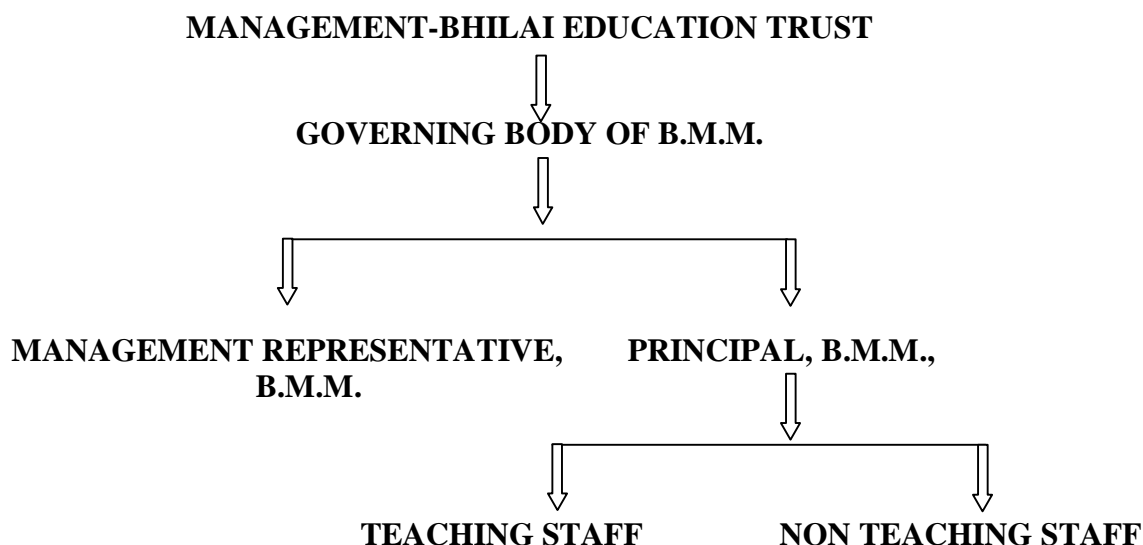
- Create an educational environment where the students have an amicable and healthy relationship and interaction with their teachers.
- Adopt e-learning practices.
- Introduce Smart and Interactive Classes.
- To equip our students with the best of knowledge and skills so that they can be successful in their pursuit of career and leave the college contended with a positive approach.
- Establish research centre for students and motivate the teachers to guide them.
- Set up a Greenhouse.
- Computerized Cataloguing of books, journals and dissertations.
- Software development for initiating online admissions.
- Computerization of all departments and Administrative Blocks.
- Provide Wi/Fi Net connectivity in the college campus.
- Promote and organize skill development activities for all Teaching and Non Teaching Staff to enable them develop their skills and abilities and ensure safe and effective performance in future.
- Starting special training programs for SC, ST,OBC,Minority and other students of the weaker society.

**6.2.3 Describe the internal organizational structure and decision making processes.**

The college has a well defined organizational structure to formulate policies and procedures to implement these policies. The institutional plan for infrastructural development and academic programmes are formulated by the Principal in consultation with the Governing Body. The Governing Body consists of Managing Trustee-Bhilai Education Trust (Chairman,Bhilai Mahila Mahavidyalaya) who is nominated by Bhilai Steel Plant, two nominees of Foundation Society ,two Trustee

members, Secretary-Bhilai Education Trust, Principal-Member Secretary, Representative of Higher Education Department, Government of Chattisgarh, Raipur, two University Representatives and two Teacher Representatives. The proposed plans are discussed at the College Staff Council and respective committees. The Principal and the HODs monitor the efficient implementation of these policies.

### **Organisational Chart:**



**Note: PRINCIPAL, GOVT.V.Y.T.P.G COLLEGE, DURG IS THE EX-OFFICIO NODAL OFFICER OF BHILAI MAHILA MAHAVIDYALAYA AND IS RESPONSIBLE FOR ALL GOVERNMENT TRANSACTIONS.**

There is both upward and downward communication in the process of decision making involving all stakeholders.

#### **6.2.4 Quality Improvement Strategies of the Institution:**

##### **Teaching & Learning**

The following strategies have been adapted to improve the Teaching & Learning .

- Use of audio visual aids ( LCD ) and ICT enabled teaching methods .
- Holding Classroom seminars and group discussion to make teaching interactive.
- Supply of study & reference material to students.
- Focus on student centric and research oriented activities.
- Unit test and terminal exams.

- Feedback on course content and quality teaching.
- Organizing quiz competitions , guest lectures and presentations.
- Field trips and study tours .

#### **Research & Development**

The members of the faculty are encouraged to pursue research leading to M.Phil. and Ph.D. degrees. Study leave is granted. Seminars and Guest lectures are organised to encourage faculty to undertake research.

#### **Community Engagement**

- The student community organizes awareness camps and rallies for Polio Drug, AIDS, Literacy, Save the girl child campaign, corruption ,take up tree plantation projects etc. Students visit old age home and delinquent homes.
- NSS students conduct health and hygiene camps in villages besides participating in the above programmes.

#### **Human Resource Management**

- Recruitment of best available candidates as teachers and staff through a transparent selection process and their conformation on successful completion of probation period
- Deputing staff members and teachers to training , orientation and refresher course .
- Conducting ICT training in the institute.
- Sanctioning of leave , group insurance and PF etc. as per rules and regulations .
- The placement and counseling cell provides guidance and assistance to students and behavioral changes are brought about in the students.

#### **Industry Interaction**

Professionals from various fields are invited to interact with the students to share their experiences and motivate them to become entrepreneurs for their better prospects. • Organising industrial tour and field visits .

- Inviting resource persons for guest lecture.
- Arranging campus recruitment programme .

#### **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 review the activities of the institution?**

The Principal ensures the availability of information in the following ways:

- Periodical meetings with stake holders to review the achievements of the institution.

- Conversation with students at both formal and informal level.
- Discussion with the teaching and non-teaching staff.
- Presenting the Annual Report on the College Annual Function.
- Interaction with the guardians.
- Feedback from various concerned bodies .
- Soliciting views of parents and through PTA meetings

**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 College management encourages and supports the involvement of staff in improving the effectiveness and efficiency of the institutional process. Duty leave is sanctioned to the staff to attend work shops, seminars, conferences and to deliver guest lectures in other institutes.
- The faculty members are associated with various committees of the college. The staff meetings offer a platform where teachers propose views and ideas for improving the effectiveness and efficiency of the institutional process. The academic and personal achievements of the staff and their contributions are appreciated in the staff meetings.

**6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.**

The following resolutions are being followed at the university level

1. To get permanent affiliation in all courses .
2. To start research centre after getting permanent affiliation in all the courses

**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 College plans to apply for autonomy after acquiring permanent affiliation.

**6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?**

Grievances of students are resolved by the committee promptly by the administration.

**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

**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?**

Yes. Suggestions received regarding basic facilities were forwarded by monitoring committee for necessary action. The following suggestions have been implemented:-

- Installation of water filter
- Canteen Facility

### **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?**

- The College ensures the development of the staff by planning and executing programmes that cater to the professional and personal development of the entire staff.
- The institution conducts ICT training programmes, workshops, seminars, orientation programmes.
- Faculty members are encouraged to take up minor and major research projects of the UGC and other academic and professional bodies.
- Faculty members are encouraged to provide consultation services, serve as resource persons and deliver guest lectures.

**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 IQAC identifies the professional requirements of the teaching faculty through feedback from students. They are encouraged to participate in the Refresher and Orientation Courses as well as other training courses.

- National and State Level seminars and workshops are organized to create an atmosphere of learning, research and publication.
- The Research Cell of the College encourages the faculty to undertake research projects and also provide guidance for the same.
- The co-ordinators of the NSS are sent for training as per Government norms.
- The College organizes computer training programmes for the teaching and non-teaching staff.
- The College has conducted training sessions on career and personal development.
- New books are purchased every year which helps to further update the faculty in their respective fields.
- INFLIBNET N-LIST and e-journals facilitate the research needs of the faculty.

**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.**

Self Appraisal Report are submitted by the staff wherein they document their academic and professional achievements, leadership roles held and community extension services rendered during the year.

**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?**

The College Management analyzes the Self Appraisal Report duly filled by faculty members, takes cognizance of their role played, achievements and shortcomings which are communicated to the respective faculty member. The Management acknowledges valued performances and advises scope for future enhancement.

**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?**

The following welfare schemes are available to the teaching and non-teaching staff:

1. Contributory Provident Fund
2. Group Insurance for Grant- in- Aid staff.

3. Employees State Insurance for Self financing staff.
4. Staff Quarters
5. Group personal accident scheme is implemented for students and staff.

#### **6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?**

The following measures are taken by the institution for attracting and retaining eminent faculty.

- The Management accords equal treatment to the faculty of the aided and the self-financing courses in terms of sharing of administrative responsibilities and representation in committees.
- They are given chance to participate in quality improvement programmes within and outside the College.
- Flexibility in the method adapted for imparting the curriculum is given to all the faculty members.

### **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?**

The following financial resources are available to the institute:

##### **(A) Grant-in-aid structure**

1. Salary of Teaching Staff and Non-Teaching Staff of Government Grant-in-Aid Courses is received from the State Government.
2. UGC assistance through development grants, merged schemes and special schemes.

##### **(B) Self-financing structure**

1. Fees from the students.
2. Miscellaneous receipts

In order to ensure the effective and efficient use of available funds, Bhilai Mahila Mahavidyalaya is following these systems.



1. Principal is responsible for all financial matters in the institute along with the Principal of the nodal college and Management Representative of Bhilai Education Trust for Salary Maintenance Grant received from the State Government.
2. Principal and Management Representative of Bhilai Education Trust for salary of the staff of self financing courses.
3. The financial powers are as follows
  - a) Principal-Contingency/operating expenses within approved budgets,the maximum limit being Rs 25000/- for each case and annual limit of Rs 5 Lacs for Government Aided,Self financing and UGC Grant
  - b) Chairman-Rs 2.5 Lacs for each case and annual limit of Rs 25 Lacs.
  - c) Finance committee –This committee consists of Patron,B.E.T, Managing Trustee,Trustee member and Secretary,B.E.T.
4. All disbursements are made by cross cheque.
6. All expenditure at the institute level for purchases/maintenance is to be done from the non-salary grants and should not exceed the limits of the budget.
7. The institute has to submit annual budgets to Bhilai Education Trust for its proposed expenditure.
8. The institution monitors the effective and efficient use of the available financial resources of the college.
  - A draft budget is prepared every year taking into consideration the financial requirement of each department and the general development plans.
  - Major purchases are made with the approval and sanction of the management.
  - Quotation system is followed for the purchase of items.
  - All the formalities are duly completed and proper records are maintained for every purchase.
  - The Principal and the Management review financial resources regularly to ensure their optimum usage.
  - The Principal is responsible for monitoring and controlling the financial procedures.
  - The Head Accountant maintains accounts of all the funds.
  - Each and every transaction is supported by vouchers.
  - Payments are made only if approved and duly signed by the Principal and Secretary,B.E.T.

- The institution conducts an internal and external audit to monitor the effective and efficient use of available financial resources.

**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 both the internal and external audit mechanisms for both grant-in-aid and self-financing structures.

**Grant-in-aid structure**

For Grant-in-aid structure, Internal Audit is done by a team of auditors appointed by Bhilai Education Trust every year.

External Audit is also done by Local Fund Auditors, Durg for both salary and non-salary grants. At stage two, the Senior Auditor/AG audits the accounts and records their objections, if any, for compliance by the institute. The last audit was done for the session 2012-13 and the internal auditor has not submitted the audit report.

The accounts of independent units like NSS, PTA, Add on Courses, workshops, seminars, conferences etc are audited separately.

**Self-financing Structure:**

- For Self-financing structure, Internal and External Audit is done by Bhilai Education Trust every year.
- The College incorporates healthy audit practices in a number of ways.
- The Management has appointed an approved Chartered Accountant to audit the
- yearly accounts of the college.

**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 following are the major sources of institutional receipt:

**A) Grant-in-aid structure**

1. Salary Maintenance grants from the State Government
2. UGC assistance through development grants and merged schemes
3. Miscellaneous receipts

**B) Self-financing structure**

1. Fees as prescribed by the Government and the University
2. Miscellaneous receipts

The institution has to manage with the funds available with it for all recurring and non-recurring expenditure every year. The institute has to rely heavily on the UGC grant which gives financial assistance to colleges under 2f and 12 B UGC Act of 1956 for building classrooms, hostels, renovation, purchases of books, equipment and furniture for capital expenditure. Assets are also created through the grants released for minor and major research projects.

The major sources of institutional receipts/funding of the college are as follows:

- Total fee collected from the students.
- Various grants and financial aids received from the UGC.
- Grants for conducting Conference received from the UGC.
- Lease rentals of the college canteen.
- Contributions made by the alumni.
- PTA and college development funds.

The income and expenditure statement of the academic and administrative activities of last four years have been attached in the annexure.

**6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

As a responsible institute, the college is always conscious of the needs of students and for fulfillment of the same tries to generate as many resources as possible through the prescribed sources besides the State Government grants which are as follows:

**1. UGC**

- UGC remains the chief funding agency besides the State Government for all affiliated colleges under 2(f) and 12(B)Act.1956 . In each plan UGC allocates development grants to all colleges for the construction of classrooms, purchase of equipments,

books etc. In addition, there are special grants under merged schemes. UGC also releases funds for Minor and Major Research Projects for which we apply for from time to time.

The College employs various methods to mobilize the resources it requires for the welfare of the students.

- The expenditure for the conduct of seminars and conferences is met by the grants received from the UGC.
- The College applied and has been sanctioned grants under the various schemes of the UGC.
- ☐ An amount of Rupees Sixty three lakhs was received for the construction of an indoor stadium.
- An amount of Rupees Sixty three lakhs seventy five thousand for the construction of new ladies hostel. The fees collected from the students is also very helpful.

## **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?**

**(a) The Institutional Policy with Regard to Quality Assurance:** The College has established Internal Quality Assurance Cell (IQAC). The Institution strives to maintain high standards in education to fulfill the Mission and Vision of the Institution.

**(b) Decisions of the IQAC:** The decisions are taken by IQAC after proper deliberations with the stakeholders. All decisions are approved by the management and implemented by the college.

**(c) Members on IQAC Committee:** The following are the members:

- i. Co-ordinator-Dr. Sushma Mene (HOD Botony) Bhilai Mahila Mahavidyalaya, Bhilai.
- ii. Alumni Representative -Dr. Nisreen Nasir, Professor-Zology, Govt. W.W. Patankar, Girls Collge Durg.

- iii. Corporate Representative –Shri J.N.Thakur, AGM Personnel, Bhilai Steel Plant, Bhilai.
- iv. Elite Group Representative –Dr. Sulbha Jaltare, Gynaecologist, Private Practitioner.
- v. Professor from other colleges’ Representative- Dr. Anupama Asthana, Professor and HOD Chemistry, Govt V.Y.T. P.G. College, Durg.
- vi. Trust Representative – Mrs Madhuri Menon, G.M., Management Services, Bhilai Steel Plant, Bhilai.
- vii. Teacher Representative-1. Mrs A. Narula (HOD English) 2.Dr. B.Verma (HOD Commerce)
- viii. Office Staff- Mr. D.N. Sharma.
- ix. Shri K.C.Thomas, Zonal Co-ordinator ,Chhattisgarh Industrial Technical Consultancy, Bilaspur.

**(d) Students and Alumni Contribution to IQAC :** Students and alumni are represented on the IQAC and contribute to the deliberations of the committee. The Alumni are also invited as expert speakersto the college.

**(e) Communication of Staff with IQAC :** The Principal, who is also a member of the IQAC, communicates the decisions to the faculty in the staff meetings. Various committees are formed to plan and organize the different events/functions in the college.

#### **6.5.2 Framework for Quality Assurance:**

The College has set up various committees (admission, timetable, examination, attendance, sports, discipline etc.) comprising of members of the faculty and of the non-teaching staff to co-ordinate and ensure that the administrative and academic activities are completed within the stipulated time.

#### **6.5.3 Training of the Staff for Effective Implementation of the Quality Assurance Procedures:**

- Eminent personalities are invited to the institution to provide inputs to the faculty and non-teaching staff on various topics. The institution encourages the training of its staff members for the effective implementation of its Quality assurance procedures. It ensures that the decisions based on the findings of the IQAC are fully adhered to.

- To increase the efficiency in the academic as well as the administrative fields, the college organizes training sessions for its teaching as well as the non teaching staff from time to time.
- Various seminars and workshops have helped the staff to work in a better and more promising way.

**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?**

The institution undertakes its own academic audit through :

- Comparison of the academic performance of the departments.
- A result analysis is done after university examinations, which is communicated to the staff during the staff meetings.
- The preparation of a teaching plan aiming at effective syllabus completion at the beginning of each semester/ session.
- Departmental meetings where classes and subjects are allotted to each teacher and the completion of syllabus is also reviewed. The HOD verifies and ensures that the plans are implemented properly.
- The proper conduct and valuation of assignments, seminars, internal assessment etc., are also verified in the departmental meetings. internal arrangements are made for special classes.

The outcome of such an audit helps to improve the institutional activities in a number of ways.

- Faculty members attend and present papers in International/ National/ State /Regional seminars
- Academic publications/editing of books are undertaken.
- Subscription of on-line journals (N-LIST)
- Conducting of Add-On Courses
- Innovative teaching methods are attempted.

**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

The internal quality assurance mechanisms of the institution are designed and implemented on the guidelines of the external quality assurance agencies like the NAAC, the Directorate of Collegiate Education and the affiliating university. The IQAC submits the report to the college on an annual basis which helps the institution to assess its strengths, weaknesses, opportunities and challenges every year, and to rectify the shortcomings at the appropriate time.

**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?**

The teaching-learning process is continuously reviewed by the Principal, the HODs, the faculty, the students and the PTA on the basis of examination results, feedback and evaluative reports. Based on the feedback collected, improvements are made in the teaching-learning process.

- Constructive methods like Refresher courses/Orientation courses, ICT oriented courses, Communication Skill Development sessions etc motivate both the faculty and students.
- Remedial coaching and study circles are arranged for slow learners.
- Teachers Evaluation by Students: Students evaluate their teachers online at the end of each academic year. Thereafter the feedback is communicated to the teachers for further improvement.
- Teaching Plans: Teaching plans are designed by each teacher, reviewed by HODs and approved by the Principal.
- Syllabus Completion Report: Syllabus completion report is scrutinized by HODs.
- Self-Appraisal Report: Annual performance-based self appraisal report is submitted to the Principal who analyses the data for the purpose of Career Advancement.
- Observation of Lectures: The Principal makes surprise visits to various classes.

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

The institution has evolved a strategy of interacting with the stakeholders on different platforms like the Parent Teacher Association, the Alumni meet and other committees which have a fair student representation. The Principal communicates policies regarding quality assurance through the HODs, meetings of the stakeholders, the website, the college admission brochure and the report of the print media to the communication network.



## **CRITERIAN- VII**

### **INNOVATIONS AND BEST PRACTICES**

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## **7.1 Environment Consciousness -**

### **7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?**

Bhilai Mahila Mahavidyalaya has always shown concern towards environmental issues. Seminars, talks and awareness drives have been conducted to create environmental consciousness among students and society. The college promotes use of non-conventional sources of energy. Other measures taken are plantation drives, anti-plastic drives.

The department of Botany documents trees and plants on the campus. There are 78 species and 66 shrubs which are of flowering, fruit-bearing and medicinal nature.

Even though, we do not conduct a formal Green Audit, the institution has worked out its own mechanism of green audit by entrusting the NSS volunteers with the responsibility of keeping the campus clean. The institution takes care to adopt ecofriendly practices in all its activities. Most of our activities are organized to make students aware of the importance of protecting the environment.

- The Botany Department and two NSS units of the institution are in charge of formulating and supervising activities that promote an environment friendly campus.
- The Eco Club organises environment awareness programmes that promote an eco-friendly campus. In association with the Durg District Forest Department, saplings are planted at different locations in the campus.
- The use of poly bags in the campus is discouraged.
- With the help of the faculty and the NSS unit of the College, the students maintain in house medicinal plants.
- A record of the major herbs and trees in the campus is maintained.
- The institution discourages vehicles from entering the main courtyard of the campus, thereby helping to reduce sound and air pollution.
- In order to express solidarity with the issue of global warming and to help propagate the need to raise the water table, the institution has taken a decision not to pave the campus courtyard.
- Periodical monitoring of the potability of water is also ensured.

We have also undertaken plantation drives in the city and surrounding areas including adjoining villages through NSS and other camps. We also conduct cleanliness programmes and strive to make our campus and city beautiful. We also constantly work on making our campus plastic and litter free.

#### **7.1.2. What are the initiatives taken by the college to make the campus ecofriendly?**

- Energy conservation.
- Use of renewable energy.
- Water Harvesting.
- Check dam construction.
- Efforts for Carbon neutrality
- Plantation.
- Hazardous waste management.
- e-waste management.

##### **Energy conservation.**

- We have always strived to make our students aware of the need to save energy by inculcating in them environmental ethics. Various measures for energy conservation have been taken up by the institution.

##### **Use of lights and fans**

- The eco-friendly structure of our building facilitates the minimal use of lights and fans. The class rooms are quite spacious and their large windows let in sufficient light and facilitate air circulation.
- Faculty and students are given instructions to switch off lights and fans when not in use.

##### **Air conditioner**

- The institution encourages the minimal usage of air conditioner units in the campus. During night, the lights are used only at strategic points. Obsolete and energy consuming equipments are periodically discarded and written off.
- The purchase of new air-conditioners, if need arises, are based on energy star rating.

### **Computers and Lab/Office Equipments**

- Most of the electronic equipments of the institution have the power-saving feature: sleep mode. These are switched off when not in use in order to conserve energy.

**Use of renewable energy.** N.A.

**Water Harvesting.** N.A.

**Check dam construction.** N.A.

### **Efforts for Carbon neutrality**

- Trees have been planted to check soil erosion and global warming.
- The herbs and medicinal plants as the components of the Botanical garden are the sources for the carbon neutrality.

We do not allow vehicles with high emission to enter the premises. We use the generator sparingly and only when it is absolutely essential to restrict carbon emission. There are enough trees to neutralize any carbon effects.

### **Plantation**

- Systemic arrangement and constant maintenance of the potted plants beautify the campus.
- Ashoka trees are planted across the path from the gate to the building entrance.
- Special beds are made for the seasonal and ornamental plants near the porch.
- Special and careful tending of the plants is done by the efficient gardeners especially appointed for the purpose.

A green and comforting environment surrounded by trees is a characteristic feature of the campus. There are evergreen and flowering plants like angiosperms and gymnosperms in the campus. Majority of the plants have been named and systematically characterized. The NSS units of the college in association with the Durg District Forest Department encourage the students to indulge in plantation programmes both inside and outside the college campus. The ultimate aim of such plantation programmes is to develop in our students and society an interest, awareness and responsibility towards environment and its protection.

- Proper care of the gardens and plantations across the campus is taken.
- Celebration of “Hareli Jagar” (Tree Plantation) on campus every year.
- Plantation of ornamental and fruit bearing plants.
- Growing of medicinal plants.

#### **Hazardous waste management.**

The activities and functions of the college do not generate any specific hazardous waste, and hence there has not been any need for hazardous waste management till date.

#### **e-waste management.**

The old and obsolete electronic products like computers, old electrical and electronic items are written off.

## **7.2 Innovations**

There are various bodies functioning in the college which take care of the spiritual, moral and intellectual development of students. The College Council, comprising of the Principal, HODs and other elected staff representatives, is an active body and all important decisions, both academic and non-academic, are taken after discussions in the Council. These decisions are then put into practice with the co-operation of the staff and students.

### **7.2.1 Give details of innovations introduced during the last four years which have created positive impact on the functioning of the college.**

At the beginning of every academic year, the departments prepare a plan of their academic activities. Departmental meetings are conducted to ensure that the activities are as per the plan. Teaching sessions are also planned so as to ensure that the syllabus is completed in time and the students are given ample time to prepare for the examinations. Teaching and other extracurricular activities are carried out according to the Calendar released by the University.

- The college has availed National Knowledge Network connectivity from April, 2012.  
The College applied for 10 Mbps Broadband Over Virtual Private Network (BBoVPN) under “National Mission on Education through Information and

Communication Technology” (NME-ICT) scheme of MHRD, Govt. of India and was granted the same w. e. f. April, 2012.

- INFLIBNET services facilitate research activities.
- Various minor researches have also been taken up by the faculty.
- A suggestion box, where students can post their grievances/concerns, is kept outside the office. The College responds positively to suggestions thus received. The Departmental Grievance Redressal Cell has been constituted for addressing the problems faced by the students. The College Grievance Redressal Cell comprising of the Principal, faculty members and student representatives also look into the grievances of the students.

### **Steps to help weaker students**

Peer teaching through study circles and remedial teaching, is implemented in the college to help the weaker students.

### **Career Guidance and Placement Cell**

The College has a Career Guidance and Placement Cell. Both the cells take interest in training students and making them aware of the present scenario of job opportunities. The Career Guidance Cell conducts programmes on personality development, communication skills, small scale entrepreneurship trainings etc. Every year, the Placement Cell makes efforts to provide the graduate and post graduate students opportunities for placements in reputed companies and industries of India.

### **Job-oriented training programmes**

The main objective behind these programmes is to inculcate in students skills and knowledge which they are not able to attain through the prescribed University curriculum. These modules enable them to face the tough competitions of industries and other organizations.

### **Student Progression Services**

Students are encouraged to work out innovative plans, maintain academic culture, organise social events and activities in a number of ways such as seminars, bulletin board displays and cultural programmes. Students are motivated to improve their performance in examinations, co-curricular and extracurricular activities, through

rewards such as trophies, prizes, certificates and scholarships. The Counseling Cell, NSS and the various departments help in maintaining and improving quality.

### **Innovative ICT based training**

Faculty development programmes have been organized to orient and train faculty in the latest ICT based teaching learning methods. Competency development programmes for faculty like training in computers/smart class and workshops on excellence in Higher Education and Semester System have been organized. Softskills development programmes to boost a positive attitude towards the profession have also been organized for faculty members.

### **Life Guidance Programmes**

Every year, the Counselling Cell of the College organizes a Life Guidance Programme for the outgoing students.

## **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.**

#### **A) Title of the Practice-“Sa Vidhya Ya Vimuktye”**

1. **Goal-** This guiding philosophy “Knowledge is that which liberates” is taken from the ‘Vishnu Puran’ and gives to us the genuine meaning of education.

We believe that aim of education is to ‘know thyself’ and in this self discovery emancipate our minds from ignorance and experience the infinite compassion, intelligence and wisdom within.

It is our goal to live each and every moment with genuine peace, harmony and happiness and thus this experience is felt by both the teacher and the taught.

2. **Context-** The present education system as we find globally is a system rooted in competition, fear and challenges has neither been able to bring peace, harmony and happiness nor sustain compassionate living in the world.

The biggest challenge before education is to design a curriculum which has a global perspective. It should not only stimulate the young minds with theoretical knowledge but also bridge the gap of its practical usage, thus helping them to understand its

value in their professional life, as well as the organization of employment at a future date benefitting the society as a whole.

3. **The Practice:** The question before us is to see how the future of our students is being shaped in the classrooms. This is justified in our institution with the proper guidance of the students by their teachers who are themselves keen learners, seekers of knowledge as well as well versed in their field of specialization.

Our teachers keep themselves abreast with the changing times by enhancing their knowledge through refresher and orientation courses from time to time. Non doctorate teachers have either completed or are pursuing their PhDs and also attend National, International Seminars and Workshops where they present papers on their subjects of concern and get papers published in journals of National and International recognition.

4. **Evidence of Success:** Our college provides guidance and support to the vulnerables and establishes service as an integral part of student life. It has a rich academic, cultural and recreational resource to expand students' horizon and thus make them good citizens.

Our efforts towards academic excellence are evident by the meritorious positions secured by the students in the University examinations and other competitions.

**5. Problems encountered:**

- The students are not receptive.
- They are unable to realize the practicality of life.
- Students are much influenced by the electronic media and are engrossed in it deviating them from the soul purpose.

**B) Title of the Practice-“Mentoring Program”**

1. **Goal-** ‘Iron sharpens iron and one man sharpens another’

Mentoring provides guidance and support to the young minds thus inflincing the initiative to serve, throughout their lives.



2. **Context-** The mentor of this college is both a friend and role model who supports and encourages the mentee in their academic and personal growth. The mentor is a guide who supports the students to transform and reshape from an immature and inexperienced school student to a bold and confident college girl further preparing them to face the competitive world.

3. **Practice** – The College aims to bridge the gap between theoretical knowledge and its practical application by the students so that they may adapt it in their professional approach.

A warm and healthy relationship prevails between students and teachers thus making teaching and learning effective and pleasant.

- A free atmosphere with interactive classes, where students are given total freedom to express their views and clarify their doubts.
- They are given special guidance to use the library and enhance their knowledge.
- Students are helped to generate interest in areas beyond their curriculum and to explore potential areas of employment, gain experience and set goals for the future.
- They are exposed to a cultural, social and economic background different from their own.
- They are taught to develop patience, insight and understanding.
- They improve their leadership and communication skills.

4. **Evidence of Success:**

The mentoring relationships are informal and hence there is a positive impact of the mentor and this is rightly said in the following words-

“Amazing in the heart of an apprentice your true words, attitude and action are etched on their memory. They will quote you for years.”

Our students who leave the college come back to work here due to their warm relationship which they experienced. They are retained as a result of the meaningful involvement of their mentors.

5. **Problems encountered and Resources required and Obstacles:**

1. Mentoring is time consuming and is difficult to integrate it with the students schedule, so it is restricted due to participation of the students in other activities.

2. Mentors are to be knowledgeable about liability and confidentiality for which they should be trained.
3. Qualified counselors should be appointed for special cases.
4. Every one is not a good mentor but can always be trained to become one.

**List of Teaching Staff -**

S. No.	Name of Teachers	Adhoc ( First Date of Joining)	On Contract (Second Date of Joining)	Absorbed Under Statue 28 (Third Date of Joining)
1.	Dr.Bhawana Pandey	29/10/1991	10/08/2001	16/11/2007
3.	Dr.Bharti Verma	16/12/1996	10/08/2001	16/11/2007
4.	Dr.Pratiksha Pandey	-	10/08/2001	26/11/2007
5.	Dr.Nidhi Monika Sharma	-	23/08/2001	16/06/2011
6.	Ms.Kanchana Shahi	-	23/08/2001	12/04/2010
7.	Mrs.M.Madhuri Devi	-	16/09/2002	15/04/2010
8.	Ms.Salma Mohd. Shafi	-	31/10/2007	12/04/2010
9.	Ms.Suraiya Bano	-	18/08/2008	13/04/2010
10.	Mrs.Barna Mazumdar	-	29/09/2004	17/06/2011
11.	Mrs.Amita Gadre	10/09/1997	10/08/2001	01/09/2012*
12.	Mrs. Ruby Alleppa	04/11/1997	10/08/2001	01/09/2012*
13.	Mrs.Sarita Joshi	21/09/1998	10/08/2001	01/09/2012*
14.	Dr.Alpana Sharma	01/11/1999	23/08/2001	01/09/2012*
15.	Dr.Pratima Mishra	05/10/2000	10/08/2001	01/09/2012*
16.	Dr.Nabonita Munshi	-	10/10/2002	01/09/2012*
17.	Mrs.Deepti Chauhan	-	18/10/2002	01/09/2012*
18.	Mrs.Divya Paikara	-	23/10/2007	01/09/2012*
19.	Ms.Khalida Begum	-	08/08/2007	01/09/2012*
20.	Ms.Anju Bhandari	-	29/09/2004	01/09/2012*
21.	Dr.Hema Kulkarni **	11/10/1993	10/08/2001	16/11/2007
22.	Ms. Mausmi Dey**	-	10/08/2001	26/11/2007
23.	Ms. Diksha Khare**	-	-	26/11/2007

\* Absorbed by Management as Regular Faculty w.e.f from 1/09/2012

\*\* All three got selected in State P.S.C. and have joined Govt. Colleges.

**List of Non Teaching Staff -****(1)**

<b>S. No.</b>	<b>Name of Employee</b>	<b>First Date of Joining</b>	<b>Second Date of Joining</b>
1.	Shri M. R. Gaikwad	24.03.01	26.04.10
2.	Shri Vikas Shrivastava	14.08.01	26.04.10
3.	Shri Yuvraj Sen	29.10.03	16.04.10
4.	Shri Mohan Lal Sahu	29.10.03	19.04.10
5.	Shri Mannu Lal Verma	01.11.03	20.04.10
6.	Shri Mukesh Kumar Soni	01.01.97	13.04.10
7.	Shri Hemlal Dewangan	29.10.03	26.04.10
8.	Shri Lokesh Yadav	-	15.04.10

**(2)**

<b>S. No.</b>	<b>Name of Employee</b>	<b>First Date of Joining</b>	<b>Second Date of Joining</b>
1.	Mrs. Tejshree Sahu	11.08.08	1.09.12
2.	Miss. Rafiya Uzma	24.09.08	1.09.12
3.	Ms. Padma	01.03.12	1.09.12
4.	Ms. Sharda Bhoutey	28.04.08	1.09.12
5.	Mrs. Parmeshwari Rana	13.11.07	1.09.12
6.	Shri Sohan Lal Verma	01.12.03	1.09.12
7.	Shri Tikam Chand Verma	01.12.03	1.09.12
8.	Shri Hari Singh	01.12.03	1.09.12
9.	Shri Joginder	01.08.03	1.09.12
10.	Shri Ram Prasad	01.01.07	1.09.12

**(3)**

<b>S. No.</b>	<b>Name of Employee</b>	<b>First Date of Joining</b>
1.	Mr. Uma Shankar yadav	14.12.2011
2.	Mrs. Mirajun Nisha	15.12.2010
3.	Mr. Mukesh Yadav	01.01.2011
4.	Mr. Pradeep Kr. Verma	01.01.2011

## **PROFILE OF THE DEPARTMENTS**

## EVALUATIVE REPORT OF THE DEPARTMENT

1. **Name of the Department: BOTANY**

2. **Year of Establishment:**

<b>Courses</b>	<b>Year of Affiliation</b>
B.Sc. Biology I,II ,III	1979,1980,1981
B.Sc. IMB I,II ,III	2001,2002,2004
B.Sc. MicroBiology I,II ,III	2006,2008,2009
M.Sc. Botany Previous and Final	2001,2002

3. **Name of programs /courses offered :**

- (1) B.Sc. Biology(Govt. Aided Course)
- (2) B.Sc. MB,IMB,M.Sc. Botany (Self Financed Course)

4. **Name of Interdisciplinary courses and the department/units involved:**

Environmental studies for B.Sc. Part I –Biology, Biotechnology, Microbiology, Maths, Computer science, BCA Part I, B.Com Part I.

5. **Annual/Semester/choice based credit system (Programme wise):**

B.Sc. I,II,III Biology, MicroBiology,IMB - **Annual system**  
M.Sc. Botany - **Semester system**

6. **Participation of the department in the course offered by other department: -EVS**

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**  
–Nil

7. **Details of courses/programmes discontinued( if any) with reasons – Nil**

9. **Number of teaching post:**

<b>S.No.</b>		<b>Sanctioned</b>	<b>Filled</b>
1.	Professors	Nil	Nil
2.	Associate Professors	Nil	Nil
3.	Assistant Professors-		
	(1) Govt. Granted Post	02	02
	(2) Self Financing Statue 28	02	01
	(3) Regular Teaching Post sanctioned by Managemen	02	02
	(4)Adhoc -Sanctioned by Management (on students strength ratio)	01	01

**10. Faculty profile with name qualification, designation, specialization with (DSc./D.Litt/Ph.D/ M.Phil) :**

Name of Faculty	Qualification	Designation	Specialization	No. of year experience	No. of Ph.D student guided for last 4 year
Dr.Sushma Mene	M.Sc., Ph.D.	A.P.	Ecological Anatomy, Plant Pathology	36 years	—
Dr. C.P. Handa	M.Sc., Ph.D.	A.P.	Mycology and Plant Pathology	33 years	—
Dr. Pratiksha Pandey	M.Sc., Ph.D., B.Ed	A.P.	Plant Pathology, Plant Ecology	14years	—
Mrs. Deepti Chauhan	M.Sc., M.Phill,	Regular Teaching faculty	Plant Pathology, Enzymology	13years	—
Ms.Anju Bhandari	M.Sc., Ph.D.	Regular Teaching faculty	Plant Pathology	11 years	—
Anuradha Sahu	M.Sc., B.Ed.	Adhoc	Plant Pathology	2years	—

**11. List of Senior visiting faculty: NIL**

**12. Percentage of Lectures delivered and Practical Classes Handled (Program wise) by temporary faculty:**

Year	2011-12	2012-13	2013-14	2014-15
%	28.57%	16.6%	16.6%	16.6%

**13. Student Teacher Ratio:**

	2011-12	2012-13	2013-14	2014-15
U.G.	36:01	36:01	29:01	40:01
P.G.	3.3:01	3.3:01	3.3:01	3.3:01

**14. Number of Academic support Staff (Technical) and Administrative Staff: Sanctioned and filled:**

Name	Name	Sanctioned	Filled	Date of
Academic support Staff (Technical)	Mr. Hularam Verma (Lab Attendant)	1	1	09.09.1981

**15. Qualification of teaching faculty with DSc/D.Litt/Ph.D./M.Phill/PG:**

DSc	D.Litt	Ph.D.	M.Phill	PG
Nil	Nil	03	01	02

**16. Number of Faculty with ongoing projects from a) National (b) International funding agencies grant received - 02-**

- a) Dr. Pratiksha Pandey- UGC, CRO, Bhopal- Ongoing
- b) Dr. Sushma Mene- UGC,CRO, Bhopal- Proposal proceeded

**17. Departmental projects funded by DST- FIST, UGC,DBT,ICSSR,ETC & total grant received –**

S. N.	Name of Faculty	Name of Project	Sanctioning Authority	Amount Sanctioned	Year
1	Dr. Pratiksha Pandey	“Study of Endangered Grasses in Durg – Bhilai Region” F.No.-MS-19/202002/XII/13-14/ CRO	UGC, CRO, Bhopal	3,10,000/-	2 Years 2014-2016 ongoing
2	Dr. Sushma Mene	“Phyodiversity of home gardens for health and security in livelihood with reference to twincity Bhilai-Durg C.G.	Send to UGC, CRO, Bhopal	500000/-	Approval awaited

**18. Research centre /facility recognized by the university-Recognised under 2B/12f by UGC act.**

**19. Publications –\* Publication per faculty –**

Name of faculty	National	International
Dr. Sushma Mene	01	-
Dr. Pratiksha Pandey	02	-
Mrs. Deepti Chauhan	02	01
Ms. Anju Bhandari	01	-

**20. Area of consultancy and income generated- Nil**

**21. Faculty as members in a) National committees b) International Committees c) Editorial Boards....**

<b>Dr. Sushma Mene</b>	<ol style="list-style-type: none"> <li>1) Member of Board of studies in Pt. Univ. Raipur.C.G.Tenure : 2008-2013. 2) Examination committee member in R.S.S.U. Raipur as V.C. nominee 2008-2011.</li> <li>3) Coordinator of Vocational course by U.G.C. Industrial microbiology 2001-2006.</li> <li>4) Co. examiner SET Examination 2007 Chhattisgarh Professional Exam. Board – Raipur.</li> <li>5) Preciding officer committee member Municipal Election 2004-2005.</li> <li>6) Committee member JIBB examination more than 10 session.</li> <li>7) JIBB examination Invigilator for examination every year.</li> <li>8) Asstt. Supdt. In sail examination 02 session 2010,2011.</li> <li>9) Asstt. Suptd &amp; Supdt. “Shiksha Karmi chayan pariksha” by Prof. Exam. Board, Chhattisgarh -2007.</li> <li>10) Programme officer adult education National literacy mission 1991-1992.</li> <li>11) Programme officer National Service Scheme (NSS) 2000-2001.</li> </ol>
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<b>Dr.C.P.Handa</b>	1) Member Board of studies Pt. R.S.S. Univ. Raipur Session 2005 to 2008. 2) Coordinating the post metric scholarships to SC/ST/OBE students by C.G. Govt. 3) Nodal Officer for SC/ST/OBC Post metric scholarship by tribal department C.G. Govt. for 2013-2015. 3) Programme Officer National Service Scheme (NSS) 1992-1993. 4) Co. examiner set –Examination 2007 for Chhattisgarh Professional Exam. Board – Raipur 5) Asstt. Suptd. “Shiksha Karmi Chayan Pariksha “ Organized by Chhattisgarh Professional Examination Board – 2007.
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## 22. Students projects:

### a) Percentage of students who have done in- house projects including inter departmental/programme:

Year	2010-2011	2011-2012	2012-2013	2013-2014
%	4%	4%	5%	5%

### 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:

### (a) Faculty:

#### Dr. Sushma Mene:

- 1) Awarded “ **Dr. Sarvapalli Radha Krishnan Samman**” 2014 by Chhattisgarh Schedule cast and Schedule tribe cell Dhamtari
- 2) Awarded “**Best Teacher Award**”2014 by Lions club Pinakle Bhilai

### (b) Students:

Sl.	Awards /Recognition	2010-11	2011-12	2012-13	2013-14	2014-15
1	Merit-Merit position in university	04	06	04	Awaited	-
2	Extracurricular	-	-	-	-	02
3	Sports	-	-	-	-	-
4	NSS	08	12	01	10	-

## 24 . List of eminent academicians and scientists/visitors to the department:

S N	Name	Designation	Place
13.09.2014	Dr.Ranjana Shrivastava	H.O.D.Botany, Govt.V.Y.T.P.G College ,Durg (C.G.)	Instrumentation & Techniques in Plants Pathological Studies
13.09.2014	Prof. P.C. Panda	Deptt. of Botany Govt.V.Y.T.P.G College ,Durg ( C.G.)	Photo physiology found in green plants
22.10.2013	Dr.Anil Kumar Shrivastava	H.O.D.Depatt. of Biotech & Zoology Govt.V.Y.T.P.G College,Durg (C.G.)	Global warming & epigenetic impact
23.01.2013	Prof . G.S. Thakur	Govt.V.Y.T.P.G College,Durg ((C.G.)	Identification of local flora & its its taxonomic studies
23.01.2013	Prof L.Chelikswami	Govt.V.Y.T.P.G College , Durg (C.G.)	Diversity of local Angiospermic flora
09.11.2012	Dr.V.K. Kanungo	Govt. Nagarjun PG college Raipur ( C.G.)	Resources & sustainable development
17.09.2011	Dr.Aditi Poddar	S.O.S. Life Science Pt. R.S.U. Raipur	Home sweet home is it safe ?
24.11.2011	A.K. Shrivastava	Govt. college Utai Durg	Regulation & gene expression in prokaryotes & Eukaryotes



## 25. Seminars/Conferences/Workshops organized and the sources of funding:

### a) National

Name of Organising faculty	Name of Seminars or Workshops	No of Guest Speakers	No of Participants	Sanctioning Authority	Amount Sanctioned	Date
<b>Dr.S.Mene</b> Co-convenor	Genetically Modified crops and food security with special reference to Chhattisgarh state Date: 6.3.2013	03	200	C.G. Cost , Raipur	<b>50000/-</b>	6.3.2013
<b>Dr.S.Mene</b> Co-convenor	Fostering Scientific temper Date: 28.02.2014	03	150	C.G. Cost , Raipur	<b>50000/-</b>	28.02.2014
<b>Dr.S.Mene</b> Convenor <b>Dr.C.P.Handa</b> Organising Secretary	“National Workshop on Isolation and Identification of Aero biomolecules” Date: 25-27 Feb.2015 Approval awaited	-	-	Proposal send to UGC ,CRO, Bhopal	<b>200000/-</b>	

### b) International:-Nil

## 26. Student profile programme/ course wise:

Year	Name of the Course/programme	Application received	Selected	Enrolled		Pass percentage
				M	F	
<b>2011-12</b>	B.Sc.I- Bio ,MB& IMB	126	96	-	96	77.65%
	B.Sc.II- Bio, MB& IMB	44	44	-	44	100%
	B.Sc.III- Bio,MB& IMB	79	79	-	79	100%
	M.Sc.Sem.-I Botany	31	10	-	10	100%
	M.Sc.Sem.-II Botany	10	10	-	10	100%
	M.Sc.Final Botany	10	10	-	10	100%
	MSc.Prev. Bot. <b>Old Course</b>	01	01	-	01	100%
<b>2012-13</b>	B.Sc.I- Bio &MB	131	115	-	115	56.98%
	B.Sc.II- Bio, MB& IMB	43	43	-	43	84.6%
	B.Sc.III- Bio,MB& IMB	55	55	-	55	94.33%
	M.Sc.Sem.-I Botany	35	10	-	10	100%
	M.Sc.Sem.-II Botany	10	10	-	10	90%
	M.Sc.Sem.-IIIBotany	10	10	-	10	100%
	M.Sc.Sem.-IVBotany	10	10	-	10	100%
	M.Sc.Final Bot. <b>Old Course</b>	01	01	-	01	100%
<b>2013-14</b>	B.Sc.I- Bio &MB	121	94	-	94	41.48%
	B.Sc.II- Bio, MB& IMB	57	57	-	57	96.49%
	B.Sc.III- Bio,MB& IMB	42	42	-	42	100%
	M.Sc.Sem.-I Botany	41	10	-	10	100%
	M.Sc.Sem.-II Botany	10	10	-	10	100%
	M.Sc.Sem.-IIIBotany	10	10	-	10	100%
	M.Sc.Sem.-IVBotany	10	10	-	10	100%

**27. Diversity of students**

Session	Name of the course	% of students from same state	% of students from other state	5 of students from abroad
2011-2012	M.Sc. Botany	90%	10%	Nil
2012-2013	M.Sc. Botany	100%	Nil	Nil
2013-2014	M.Sc. Botany	100%	Nil	Nil
2014-2015	M.Sc. Botany	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**

Session	UG to PG	PG to M.Phil.	PG to Ph.D.	Employed /Service
2012-13	60%	Nil	10%	30%
2013-14	70%	Nil	10%	30%
2014-15	100%	Nil	10%	20%

**30. Details If Infrastructural Facilities 2011to 2014**

S N	Facilities	Details
1.	Library: Departmental library	484
2.	Internet facilities for staff and students	3Computer and 3 Printer
3.	Classrooms with ICT facility	Yes
4.	Laboratories	M.Sc. Laboratories, B.Sc. Laborites

**31 Number of students receiving financial assistance from college, univer government or other agencies:**

S.N	Type of Scholarships	2011-12	2012-13	2013-14
1	Post Metric/ ST/SC/OBC	19	37	31
2	Minority	-	-	03
3	Jindal	-	01	-
4	Merit Scholarship from Dept. of higher education Raipur C.G.	-	-	-

**32. Details on student enrichment programmes (special lectures/ workshop/ seminar) with external experts:**

Year	2010-2011	2011-2012	2013-2014	2014-2015
No of Guest Lecture	01	04	06	04

**33. Teching methods adopted to improve student learning:**

- A) Use of extensive ICT (power point presentation and videos)
- B) Use of Models and charts.
- C) Fields Practice (Learning by field trails.).
- D) Seminar /Workshops by students

- E) Formation of Botanical Association of Teachers And P.G. Students For Performing academic activities viz. Botanical Excursion, visit to Bio industries ,Popular lecture etc.
- F) Remedial Classes for UG and PG students:

Year	B.Sc. I (No of classes)	B.Sc.II(No of classes)	BSc.III(No of classes)	M.Sc. Prev. (No of classes)	M.Sc. Final (No of classes)
2009-2010	17	19	06	13	12
2010-11	23	06	08	16	15
2011-12	13	13	04	12	06
2012-2013	13	06	Nil	06	09

#### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

Botanical Association organizes welcome of new students, farewell to outgoing students celebrating Teacher's Day, Science Day and environmental awareness programmes for surround people every year.

#### **35. SWOC analysis of the department and Future plans:**

##### **STRENGTH :**

- Our three staff members out of six are Ph.D. and one M.Phil degree Holder, two members are pursuing Ph.D. and all of them consistently involved in research work.
- Our strength is reflected in our excellent academic results at both U.G. & P.G. level. P.G. students have attained first and other merit positions in the merit list of Pt. R.S.S.U., Raipur.
- Well equipped laboratories & departmental museum with 300 museum specimens & 150 plastomounts and 50 pop models.
- Botanical garden has 45 medicinal plant Genera, 22 ornamental plant Genera and 16 fruit plant Genera.

##### **WEAKNESS :**

- We require regular / permanently appointed laboratory technician & data entry operator for smooth functioning of laboratories work and to maintain documentation.
- We require urgently tissue culture lab, culture room, two P.G. laboratories, lecture rooms and research lab for project work undertaken by teachers and students.

**OPPORTUNITY:**

- We arrange belonging to studies & research work in Botany & related subjects (Agriculture, Horticulture, Biochemistry) for our present & ex-students.
- Enhancement of no. of students at P.G. level and recruitment of more teachers in near future under statue 28.

**CHALLENGES :**

- To raise the development to provide facilities for studies at par to national level and perform best with the quality of students admitted.

**FUTURE PLAN :**

- To develop documentation and inventrisation of regional plant diversity .
- To provide excellent facilities for field and in depth academic studies .So that our students and facultie members can gain National level recognisation.
- Establishment of research labs for bioconversion of waste in to fuel and manure.
- Upgradation of computer facilities.

## EVALUATIVE REPORT OF THE DEPARTMENT

1. **Name of the Department : CHEMISTRY**

2. **Year of Establishment:**

(i) B.Sc. Pass Course: 1979, (ii) M.Sc. Course: 1999

Courses	Date of Affiliation
B.Sc. I Chemistry	02.09.1979
B.Sc. II Chemistry	1980
B.Sc. III Chemistry	1981
M.Sc. Previous Chemistry	1999-2000
M.Sc. Final Chemistry	2001-2002

3. **Names of Programmes / Courses offered:** UG: B.Sc.(Aided)  
PG: M.Sc. (Self-financing)

4. **Names of Interdisciplinary Courses and Departments/Units involved:** Mathematics, Zoology, Botany, Microbiology, Biotechnology, Industrial Microbiology

5. **Annual/ Semester/ Choice based credit system (Programme wise):**

Session	Annual system (AIDED)	Semester system (SELF- FINANCING)
2011-12	B.Sc. I, II, III, Chemistry And M.Sc. Chemistry	-
2012-13	B.Sc. I, II, III, Chemistry	M.Sc. Chemistry
2013-14	B.Sc. I, II, III, Chemistry	M.Sc. Chemistry
2014-15	B.Sc. I, II, III, Chemistry	M.Sc. Chemistry

6. **Participation of the Department in the Courses offered by Other Department:**  
Environmental Studies.

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:**

S.No.		Sanctioned	Filled
1.	Professors	Nil	Nil
2.	Associate Professors	Nil	Nil
3.	Assistant Professors-		
	(1) Govt. Granted Post	03	02
	(2) Self Financing Statue 28	01	01
	(3) Regular Teaching Post sanctioned by Management	NIL	NIL
	(4)Adhoc -Sanctioned by Management (on students strength ratio)	04	05

**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 till March 2015	No. of Ph.D. students guided for the last 4 yrs
Mrs. M. Agrawal	M.Sc.	Asst.Prof.	Org Chemistry	32	Nil
Dr. Mrs. M. Shrivastava	M.Sc.,Ph.D.	Asst.Prof	Inorganic Chemistry	29	Nil
Mrs. Barna Mazumdar	M.Sc.,M.Phil	Asst.Prof	Analytical Chemistry	04	Nil
Ms. M. Gill	M.Sc.	Adhoc Lect	Org Chemistry	05	Nil
Mrs.Nishi Verma	M.Sc. M.Phil	Adhoc Lect	Org Chemistry	03	Nil
Mrs. K. Vijayasri	M.Sc. M.Phil	Adhoc Lect	Org Chemistry	02	Nil
Bhagyashri Wakhle	M.Sc.	Adhoc Lect	Org Chemistry	01	Nil
Ms. Sushma Sahu	M.Sc.	Adhoc Lect	Org Chemistry	01	Nil

**11. List of Senior Visiting Faculty: NIL**

**12. Percentage of Lectures delivered and Practical classes handled ( programme wise) by Temporary Faculty:**

Year	Theory %	Practical %
2014-15	57.7	56.5
2013-14	57.7	56.5
2012-13	57.7	56.5
2011-12	59.0	62.5

**13. Student-Teacher Ratio ( programme wise):**

B.Sc. Pass Course	Year 2011-12	Year 2012-13	Year 2013-14	Year 2014-15
<b>Ratio</b>	1:57	1:65	1:74	1:65
M.Sc. Course	Year 2011-12	Year 2012-13	Year 2013-14	Year 2014-15
<b>Ratio</b>	1:2.5	1:2.5	1:2.5	1:2.5

**14. Number of Academic support Staff (Technical) and Administrative staff ; Sanctioned and Filled:**

Name	Sanctioned	Filled	Date of Joining
Mr. Kumbhlal Sahu	2	1	20.08.1982

**15. Qualifications of the Teaching Faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG:**

Year	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
2014-15	Nil	Nil	01	03	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 Fotal Grants received: Nil****18. Research Centre / Facility recognized by the University: No.****19. Publications:****a) Publication per Faculty:**

Name of the Faculty	National	International
Mrs. M. Agrawal	02	Nil
Dr. Mrs. M. Shrivastava	12 + 4	Nil

**b) List of Publications:** (separate sheet attached)**20. Areas of Consultancy and Income generated: Nil.****21. Faculty as Members in:****a) National Committees: Nil****b) International Committees: Nil****c) Editorial Board:** Mrs. M. Agarwal as a member in the Science Faculty at PRSU, Raipur.**22. Student Projects:****a) Percentage of Students who have done In-house Projects including Inter Departmental Programme:**

M.Sc.(Semester)	2014-15	2013-14	2012-13	2011-12
I Semester	40	40	40	40
II Semester	40	40	40	40
IIISemester		40	40	40
IV Semester		40	40	40

NOTE: Title of Projects are allotted to the Students from their Syllabus and they deliver Seminars on the same topic.

**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:****(A) STAFF / FACULTY ACHIEVEMENTS:****(a) Research Paper presentation and Poster Presentation in National Seminars / Conferences by Faculty Members:****Mrs. Manju Agrawal**

Name of the Seminar/Conference/Symposium	Place and Date
Convention of Chemistry – Indian Chemical Society, 1977	December 26-29,1977;University of Rajasthan, Jaipur

**Mrs. Barna Mazumdar**

Name of the Seminar/Conference/Symposium	Place and Date
“Technovision -2007” 'AICON -11'	SSCET, BHILAI (26 <sup>th</sup> and 27 <sup>th</sup> Oct.,2007) CSIT,DURG

**(b) Distinction/Awards to Faculty Members: (separate sheet attached)****Mrs. Manju Agrawal:****Dr. Mrs. M. Shrivastava:****(c) Lecture Delivered by Staff in other Institute:**

Name of Staff	Institute	Year	Topic
Mrs. Manju Agrawal	BTI, Bhilai	2012	Organic Reaction mechanism
Mrs. Manju Agrawal	BTI, Bhilai	2014	Organic Reaction mechanism

**(B) STUDENT ACHIEVEMENTS:**

Awards/Recognitions	2013-14	2012-13	2011-12	2010-11
1.Merit		04	04	05
2.Extra curricular Activity		01	01	
3.Sports	01	-	-	-
4.NSS	-	-	-	-
5.Job/Placements	03	04	02	-

**(a) Students Completed / Ongoing Research Projects from other institutes :**

S.N	Name of Students	Session and Duration	Guide	Institute
1.	Ku.Toshikee Yadav	2013-14	Dr. K.K.Ghosh	PRSU, Raipur
2.	Ku.Neha Kandpal	2014-15	Dr. Manmohan Satnami	PRSU, Raipur
3.	Ku. Archana Sahu	2013-14	Dr.Alka Tiwari	Govt. V. Y. T. PG Auto Coll (Durg)
4.	Ku. Mitisha Baid	2013-14	Dr.Ajay Singh	Govt. V. Y. T. PG Auto Coll (Durg)



**(b) Students Completed Research Projects at our Department: Nil**

**(c) Merit Achievements of Students of PG:**

S N	Name	Session	Merit Position in University
1.	Ku. Archana Sahu	2012-13	I
2.	Ku. Mitisha Baid	2012-13	VI
3.	Ku. Kshama Yadu	2012-13	VII
4.	Ku. Nisha Sharma	2012-13	IX
5.	Ku. Neha Kandpal	2011-12	I
6.	Ku. Shreya Gupta	2011-12	II
7.	Ku. Bhagyashri Wakhle	2011-12	VIII
8.	Ku. Jyoti Patel	2011-12	X
9.	Ku. Kirti Shadija	2010-11	I
10.	Ku. Likheshwari.	2010-11	III
11.	Ku. Chandrani	2010-11	IV
12.	Ku. Rakhi	2010-11	VII
13.	Ku. Madhumaya	2010-11	VII

**d) Students of Chemistry Department Placed after their Study:**

SN	Name of Student	Subject	Session	Placement and Post
i.	Ku.Madhubala	Chemistry	2013-14	Pursuing B.Ed and working as school teacher
ii.	Ku.Bhagyashri Wakhle	Chemistry	2012-13	As Lecturer in BMM,BHILAI
iii.	Ku.Sushma	Chemistry	2012-13	As Lecturer in BMM,BHILAI
iv.	Ku.Shreya Gupta	Chemistry	2012-13	In Forest services
v.	Ku.Deepti Margiya	Chemistry	2011-12	As Lecturer in Govt.H.S.S.
vi.	Ku.Sonam	Chemistry	2011-12	As Lecturer in B.S.P.School
vii.	Ku.Chanchal Kujur	Chemistry	2013-14	Pursuing B.Ed and selected in Ph.D
viii.	Ku. Momita Pal	Chemistry	2014-15	Selected by WIPRO S/W Tech
ix.	Ku.Anju Toppo	Chemistry	2012-13	As Shiksha Karmi

**(e) Student Achievements in Extra Curricular Activities.**

S.N	Competition	Name of Student	Class	Session	Prize
1.	Group Song	Ku.Toshikee Yadav , Ku.Bhagyashri Wakhle and Ku.Anju Toppo	M.Sc.	2011-12	First
2.	Group Dance	Ku.Garima Gangrale, Ku. Usha Thakur and Ku. Udit Gavarna	M.Sc.	2012-13	

**24. List of Eminent Academicians and Scientists/ Visitors to the Department:**

- “Symmetry and Group Theory” by Dr. Upma Shrivastava, Govt. V.Y.T. PG. (Auto) College, Durg.
- “Chemical Dynamics” by Dr. Sunita Mathew, Govt. V.Y.T.PG. (Auto) College, Durg on 16<sup>th</sup> Nov.’11.
- “Home Sweet Home” by Dr. Aditi Poddar, PRSU, Raipur on 20<sup>th</sup>Sept.’11.

- iv. “Environmental Pollution” by Dr. Madhurima Pandey, HOD, Applied Chemistry, BIT, Durg on 29<sup>th</sup> Jan.’13.
- v. “Career Guidance and Thermodynamics” by Dr. S. Parvez, SOS (Chemistry), PRSU, Raipur on 20<sup>th</sup> Jan.’13.
- vi. “Personality Development and Prayons Alzhiemers” by Dr.Usha Tandon on 28<sup>th</sup> Sept.’13

**25. Seminars / Conferences /Workshops Organized and the Source of Funding: Nil.**

**26. Students Profile Programme / Coursewise:**

Year	Name of the Course/programme	Application received	Selected	Enrolled		Pass percentage
				M	F	
2011-12	B.Sc.I- Bio ,MB& IMB, Maths	191	127	-	127	77.65%
	B.Sc.II- Bio, MB& IMB, Maths	76	76	-	76	100%
	B.Sc.III- Bio,MB& IMB, Maths	122	110	-	110	100%
	M.Sc.Sem.-I Chemistry	45	10	-	10	100%
	M.Sc.Sem.-II Chemistry	10	10	-	10	100%
2012-13	B.Sc.I- Bio &MB, Maths	180	139	-	139	65.98%
	B.Sc.II- Bio, MB& IMB, Maths	116	115	-	115	84.6%
	B.Sc.III- Bio,MB& IMB, Maths	92	92	-	91	94.33%
	M.Sc.Sem.-I Chemistry	50	10	-	10	100%
	M.Sc.Sem.-II Chemistry	10	10	-	10	90%
	M.Sc.Sem.-III Chemistry	10	10	-	10	100%
2013-14	B.Sc.I- Bio &MB, Maths	218	181	-	131	71.48%
	B.Sc.II- Bio, MB& IMB, Maths	121	120	-	118	96.49%
	B.Sc.III- Bio,MB& IMB, Maths	115	103	-	103	100%
	M.Sc.Sem.-I Chemistry	56	10	-	10	100%
	M.Sc.Sem.-II Chemistry	10	10	-	10	100%
	M.Sc.Sem.-III Chemistry	10	10	-	10	100%
	M.Sc.Sem.-IV Chemistry	10	10	-	10	100%

**27. Diversity of Students:**

Name of the Course	% of the students from the same state	% of the students from the other state	% of the students from abroad
B.Sc. Pass Course	100%	Nil	Nil
M.Sc. Course	100%	Nil	Nil

**28. How many Students have cleared National and State Competitive Examination such as NET, SLET, GATE, Civil Services, Defense Services, etc.:**

Ku. Mitisha Baid cleared the NET Examination in 2014.

**29. Student Progression:**

Session	UG to PG	PG to M.Phil.	M.Phil.to Ph.D.	PG to Ph.D.
2011-12	8	2	-	-
2012-13	6	-	2	2
2013-14	7	-	-	1
2014-15	7	NA	NA	NA

**30. Details of Infrastructural Facilities:**

- Library: 213 books (Departmental)
- Internet Facilities for Staff and Students: Available for Staff and PG Students.
- Classrooms with ICT Facilities: Nil.
- Laboratories: 02 (01 each for UG and PG Level Practical classes).

**31. Number of Students receiving Financial Assistance from College, University, Government or Other Agencies:**

Financial Assistance	2013-14	2012-13	2011-12	2010-11
1. ST/SC/OBC	04	Nil.	Nil.	Nil.
2. Minority	Nil.	Nil.	Nil.	Nil.
3. Deptt. Of Higher Education, Govt. of C.G., Raipur.	Nil.	Nil.	Nil.	Nil.
4. Jindal	Nil.	Nil.	Nil.	Nil.

**32. Details on Student Enrichment Programmes (Special Lectures/Workshops / Seminar) with External Experts:**

- Prof. Tarashankar Pal, from IIT, Kharagpur on Nanoparticles.
- Prof. Anjali Pal, from IIT, Kharagpur on Nanoparticles.
- Prof. R.N.Prasad, President of Indian Chemical Society (ICS), Jaipur on “Role of Trace and Bulk Metals in Human Body”.
- Jessie Velusamy, Spoken Tutor from IIT, Mumbai on free Software Programme provided by MHRD.
- Captain D.N.Krishna on “Personality Development Test – A Human being can deliver all that their brain can conceive”.

### 33. Teaching Methods adopted to Improve Student Learning:

Step 1: Identifying the weakness and required learning capacity of incumbents of department by proper interaction.

Step 2: Planning topics of the syllabus as per requirement.

Step 3: Preparing acceptable study materials.

Step 4: Delivering lectures with interaction.

Step 5: Evaluating regularly by Class-tests.

Step 6: Power-point presentations for some special topics.

Step 7: Special care taken for SC/ST/PH and backward students.

- A) Using Black Board teaching; power point; internet & Hand outs.
- B) Use of power point presentation and motivating students for power point presentations and small lectures.
- C) Tests for all UG and PG students after completion of each unit.
- D) Adopting new innovative methods for improving practical skills of PG students
- E) Remedial Classes for UG and PG students

Year and Class	No. of Periods	Name of Teacher who Taught
2011-12 B.Sc. and M.Sc.	62	Mrs. M. Agrawal, Dr. Mrs. M. Shrivastava, Mrs. Barna Mazumdar, Ms. M. Gill, Ms. K.Wani, Ms. M.Nirmalkar
Year and Class	No. of Periods	Name of Teacher who Taught
2012-13 B.Sc. and M.Sc.	40	Mrs. M. Agrawal, Dr. Mrs. M. Shrivastava, Mrs. Barna Mazumdar, Ms. M. Gill, Ms. Rajeshwari, Mrs. N. Verma, Ms. A. Borkar

### 34. Participation in Institutional Social Responsibility (ISR) and Extension Activities:

1. Adult Education
2. NSS
3. Aurobindo Society

Besides, Students participated in preparing informative posters on Chemistry related to social hazards for public awareness, NCC, NSS, Games and Sports etc.

### 35. SWOC analysis of the department:

#### STRENGTH:

The department has two separate and well equipped Laboratories with sufficient facilities one each for UG and PG classes. Standard text books and reference books as mentioned in the syllabi are available with the teachers as well as in the college library. These books are readily accessed by the students as and when required for queries and during their leisure hours. Internet facility is available for a quick access to intriguing problems.

**WEAKNESS:**

There is an urgent requirement of more permanent teachers and an Instrumentation Laboratory. Separate Classrooms for PG classes is essential. Some recent sophisticated instruments are required for conducting PG practical classes.

**OPPORTUNITY:**

Interactions with people related to higher studies or higher Education department, NET qualifiers, academicians, research workers in Chemistry and different applied fields of Chemistry (eg. brewing, food technology, forensic sciences, pharmaceuticals etc.) along with ex-students engaged in different Chemistry originated fields instigate the students for their future planning. Book- publishers and chemical suppliers are prompt in their action.

**CHALLENGES:**

To strive for the best with the strength mentioned above, we challenge ourselves with the following:

- Improvised methods of teaching-learning process.
- Preparation of modified Laboratories.
- Active involvement in MRP in association with other Institute/ University.
- Invitation of some effective lectures of Experts outside our college.
- To acquaint the students about modern and applied fields of Chemistry.

## EVALUATIVE REPORT OF THE DEPARTMENT

**1. Name of the Department: HOME SCIENCE**

**2. Year of Establishment: 1979**

B.Sc. Home Science Part I, Part II, Part III	1983-84
M.Sc. Home Science Human Development (Previous and Final)	1987-88
M.Sc. Home Science Textile & Clothing (Previous and Final)	12.09.1997, 27.07.1999

**3. Names of Programmes / Courses offered:** UG: B.Sc.(Aided)

PG: M.Sc. (Self-financing)

- UG-B.Sc. (Home Science)
- PG- M.Sc.(Home Science), Human Development
- PG- M.Sc.(Home Science), Textile & Clothing

**4. Name of Interdisciplinary courses Department/units involved:** NIL

**5. Annual/Semester/choice based credit system (Program wise)**

B.Sc. (Home Science), 3 years Degree Course	-	Annual
M.Sc.(Home Science), Human Development (2 years)	-	Semester
M.Sc.(Home Science), Textile & Clothing (2 years)	-	Semester

**6. Participation of the Department in the course 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 Post: Sanctioned**

Teaching posts	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors : 1. Government Granted posts	07	06

**10. Faculty Profile with Name Qualification, Designation, Specialization (DSc./D.Litt /Ph.D/M.Phil):**

Name	Qualification	Designation	Specialization	No. of Years of
Dr.(Mrs.)Sandhya Madan Mohan	M.Sc. Ph.D.	Head & Asstt. Professor	Food & Nutrition	33 +1 years
Dr. (Mrs.)Sunita.G. Rao	M.Sc. Ph.D. P.G. Diploma	Asstt. Professor	Home Management Applied Textile Tech.	32 years
Mrs. Jyoti Bala Choubey	M.Sc.	Asstt. Professor	Child Deveopment	32 years
Dr.(Mrs.)Swarnlata Verma	M.Sc. Ph.D.	Asstt. Professor	Child Deveopment	29+2 years
Dr.(Mrs.)Rupam A. Yadav	M.Sc. Ph.D.	Asstt. Professor	Food & Nutrition	25 years
Mrs. Rajshree Chandrakar	M.Sc.	Asstt. Professor	Food & Nutrition	21 years
Mrs. Sarita N. Joshi	M.Sc. M.Phil. Diploma	Asstt. Professor	Textile & Clothing Fashion Designing	4 years (Hon.) + 12 years(Reg.)

**No. of Ph.D. Students guided for the last 4 years:** Nil

**11. List of senior visiting faculty:** Nil

**12. Percentage of Lectures delivered and Practical Classes Handled (Program wise) by temporary faculty :** NIL

**13. Student Teacher Ratio (Program Wise)**

S.N.	Programme	2010-11	2011-12	2012-13	2013-14	2014-15
1	B.Sc. Home Science	20:1	20:1	19:1	18:1	17:1
2	M.Sc. Home Science H.D	5:1	5:1	10:1	12:1	6:1
3	M.Sc. Home Science Tex. Clo.	12:1	20:1	16:1	20:1	15:1

**14. Number of Academic support Staff (Technical) and Administrative Staff: Sanctioned and Filled:**

Technical	– Nil
Administrative Staff	– Nil
Lab Attended	– Sanctioned - 02, Filled – 01

**15. Qualification of Teaching Faculty with D.Sc./D.Litt./Ph.D./M. Phil/PG –**

D.Sc	D.Litt.	Ph.D.	M.Phil.	PG
Nil	Nil	4	1	2

**16. Number of faculty with ongoing projects from a) National, b) International funding agencies and grants received:**

- a) National – Faculty – 2, Funding Agency- NIPCCD, New Delhi. Grants Received  
b) International – Faculty – Nil

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants recd:**

Title of the Project	Name of the funding Agencies	Duration	Grant received	Status	Remarks
Counseling Therapy as a tool for reducing family violence	U.G.C. C.R.O. Bhopal	18 months	Rs. 1.05 lacs	Completed Dr.S. L. Verma	By U.G.C. letter No. MS380/20200 2/08-09/CRO
Financial Management before retirement: Strategies & Govt. policies	U.G.C C.R.O. Bhopal	18 months	Rs. 1.00 lacs	Completed Dr.S. L. Verma	By U.G.C. letter No. MS64/202002/ 11-12/CRO(2)
Effect of Socio Economic Status on Body mass index & Academic performance of College going girls	U.G.C C.R.O. Bhopal	18 months	Rs. 2.00 lacs	Completed Dr.R.A. Yadav	By U.G.C. letter No. MS64/202002/ 11-12/CRO(2)

Study of Antimicrobial activity of some Weed Plants used for Healthcare by Gond Tribes of Chhattisgarh	U.G.C C.R.O. Bhopal	24 months	Rs. 5.00 lacs	On going Dr.Sandhya Madan Mohan	By U.G.C. letter No. MS-3/202002/XII/13-14/CRO dt. 20-06-2014 received on 5-11-2014
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**18. Research Centre/facility recognized by the university: Nil**

**19. Publications:** Number of papers published in peer reviewed journals (national /Inter-national) by faculty and students (*For Details Refer Enclosure 1a*)

S.N.	Name of the Faculty	In National Journals	In International Journals
1	Dr. Sandhya Madan Mohan	03	05
2	Dr. Sunita G. Rao	01	03
3	Mrs. Jyoti Bala Choubey	04	01
4	Dr. Swarnlata Verma	01	03
5	Dr. Rupam A. Yadav	06	05
6	Mrs. Rajshree Chandrakar	00	01
7	Mrs. Sarita N. Joshi	01	01
8	Student	00	00

• **Dr. Sandhya Madan Mohan**

**Books Edited:-**

1. Elements of Science Part I Published By Ram Prasad & Son's. Bhopal (M.P.)
2. Elements of Science Part II Published By Ram Prasad & Son's Bhopal (M.P.)
3. Assisted for book of Bio-Chemistry written by Suresh Verma & Anuradha Jain Published by Shiva Prakashan, Indore (M.P.)

**Books Written with details of publishers:-**

1. Home Science for class XI- Published by Ram Prasad & Son's, Bhopal (M.P.)
2. Home Science for class XII- Published by Ram Prasad & Son's, Bhopal (M.P.)
3. Nan Nan Goth- Published by District Literacy Mission, Durg. A Story book for neo literates.

**Chapter in Books:- “Swasthya Sandarshika”** Published By Jila Saksharta Samitee, Durg on Education Curriculum For Primary Schools with special reference to Saja and Bemetara,

**Any Other:-**

1. Chief Editor college 1<sup>st</sup> magazine **Ritika**
2. Assisted in magazine **Sadbhawana** Published By All India Kaumi Ekta Youth Wing (Bhilai)
3. Co Editor of **Seva Sankalp** Published by Lioness Club Durg CITY
4. Co Editor of Book Published- **PNDT Act** Committee

- **Mrs. Jyoti Bala Chaubey:** Co-editor, Hindi Section 5<sup>th</sup> Edition of College Magazine **Ritika**.



**20. Areas of consultancy and income generated.** Nil

**21. Faculty as members in national committees:** 6

**22. Students Projects:**

- a) **Percentage of students who have done in-house projects including inter departmental /programme:** All P.G. Students
- b) **Percentage of students placed for projects in organizations outside the institution i.e. in research laboratories/industry/other agencies:**

S.No	Year	Type of Project	Class	No. of Students	Place
1	2010 -11	Placement Project	M.Sc. Home Science Textile & clothing Final	05	Pure Earth Boutique Export Import House, Padmnabhpur Durg
2	2012 -13	Placement Project	M.Sc. Home Science Textile & clothing 4 <sup>th</sup> Sem.	06	Sabiha boutique Farid Nagar Bhilai Local Centre of Indian Garments Design Course, Gudgaon (HR)

**23. A) Awards/ recognition received by faculty.**

**(I) National Seminars / Conferences/ work shop, International Seminars/Conferences attended and Paper/Poster presented by Faculty Members: -**

Name of the Faculty	National Seminars	National Confe- -rences	National Work shop	International Seminars/ Conference	State level Seminars/ conference	Papers Presented
Dr. Sandhya Madan Mohan	20	13	07	05	02	43 *
Dr. Sunita G. Rao	04	09	03	01	00	05
Mrs. Jyoti Bala Choubey	08	07	02	02	02	08 & 1 Poster
Dr. Swarnlata Verma	07	05	03	03	00	07
Dr. Rupam A. Yadav	07	07	03	01	01	09 & 1 Poster
Mrs. Rajshree Chandrakar	06	07	03	02	02	05
Mrs. Sarita N. Joshi	07	06	00	01	00	09
Student	03	00	00	00	00	03

\* Out of which 19 as chair person/ guest speaker/ subject expert.

**(II) Awards to Faculty Members:**

S.No.	Name of faculty	Nos. of Awards
1	Dr. Sandhya Madan Mohan	25
2	Dr. Sunita G. Rao	03
3	Mrs. Jyoti Bala Choubey	03
4	Dr. Swarnlata Verma	01
5	Dr. Rupam A. Yadav	01
6	Mrs. Rajshree Chandrakar	01
7	Mrs. Sarita N. Joshi	01

**(III) Achievement of Faculty Members:**

S.No.	Name of faculty	Nos. of Achievement	Details of Achievement
1	Dr. Sandhya Madan Mohan	33	<i>Refer Enclosure - 2</i>
2	Dr. Sunita G. Rao	04	<b>1-</b> InL;] ikV~;dze lfefr Lok;Rrk izklr ikV~;dze& 'kk-nw-c-efgyk LukrdksRrj egk-] jk;iqj <b>2-</b> InL;] ladk; lfefr x`g foKku] ia-jfo- 'kq-fo-fo- jk;iqj <b>3-</b> vfHkfgr vf/kdkjh] fo/kkulHkk pquko 2007 <b>4-</b> egkfo ky;hu jk-ls-;ks-dk;Zdze vf/kdkjh
3	Mrs. Jyoti Bala Choubey	03	<b>1-</b> InL;] ladk; lfefr x`g foKku] ia-jfo- 'kq-fo-fo- jk;iqj <b>2-</b> ihBklhu vf/kdkjh] vksd lHkk pquko
4	Dr. Swarnlata Verma	02	<b>1-</b> egkfo ky;hu jk-ls-;ks-dk;Zdze vf/kdkjh <b>2-</b> egkfo ky;hu izkS<+ f'k{kk dk;Zdze vf/kdkjh
5	Dr. Rupam Yadav	01	<b>1-</b> egkfo ky;hu jk-ls-;ks-dk;Zdze vf/kdkjh
6	Mrs. Rajshree Chandrakar	02	<b>1-</b> egkfo ky;hu jk-ls-;ks-dk;Zdze vf/kdkjh <b>2-</b> ihBklhu vf/kdkjh] uxj ikfyd fuxe pquko 2005

**(IV) Trainings attended by Faculty Members: (for details refer enclosure 3)**

S.No.	Name of faculty	Nos. of Training
1	Dr. Sandhya Madan Mohan	21
2	Dr. Sunita G. Rao	08
3	Mrs. Jyoti Bala Choubey	03
4	Dr. Swarnlata Verma	04
5	Dr. Rupam A. Yadav	05
6	Mrs. Rajshree Chandrakar	08
7	Mrs. Sarita N. Joshi	04

**(V) Lectures Delivered by faculty in Seminar/workshop/conference: (refer enclosure 4)**

S.No.	Name of faculty	Nos. of Lectures
1	Dr. Sandhya Madan Mohan	42
2	Dr. Sunita G. Rao	06
3	Mrs. Jyoti Bala Choubey	12
4	Dr. Swarnlata Verma	07
5	Dr. Rupam A. Yadav	11
6	Mrs. Rajshree Chandrakar	06
7	Mrs. Sarita N. Joshi	05

**(VI) Guest Lecture delivered in different institutes: (refer enclosure 5)**

S.No.	Name of faculty	Nos. of Lectures
1	Dr. Sandhya Madan Mohan	25
2	Dr. Sunita G. Rao	01
3	Mrs. Jyoti Bala Choubey	01
4	Dr. Rupam A. Yadav	01
5	Mrs. Rajshree Chandrakar	01

**23. (b) Awards and recognition received by students.**

S.No.	Awards/recognition	2010-11	2011-12	2012-13	2013-14
1	Merit	15	11	6,P.G.Awaited	.Awaited
2	Extra-curricular activities	8	5	19	12
3	Sports	9	7	11	17
4	NSS	5	8	10	10

**Students Placement:-**

S.N.	Class	Percent of student's placement					
		2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
1	B.Sc. Home Science Part-III	-	7%	-	8.3%	11%	awaited
2	M.Sc. Home Science Final H.D.	-	33.3%	-	-	13.3%	awaited
3	M.Sc. Home Science Final Tex & Clo.	-	40%	38%	33%	10%	awaited

**National Seminars / Conferences/ work shop attended by Student: -**

S.No.	Session	No. of Students	Particulars
1	2012-13	09	National Seminar on Globalization & Changing role of Women, Arts & Commerce College Devendra Nagar, Raipur dtd. 20.11.2012 to 21.11.2012
2	2012-13	07	National Seminar on Women entrepreneurship, Recent Trends and opportunity in Home Science Govt. autonomous

			D.B.P.G.G. college, Raipur dtd. 26-09-2012 to 27-09-2012
3	2014-15	01	National Seminar on Food Technology and entrepreneurship Govt. autonomous D.B.P.G.G. college, Raipur dtd. 26-09-2014

### Student Achievements in Extra Curricular Activities:-

Session	Competition	Prize
2010-11	1. Painting Competition 2. 27 <sup>th</sup> National Theatre Festival Competition Katthak. 3. Cinematic 4. Duel Classical 5. Duel SemiClassical 6. 5 <sup>th</sup> Ekta Mahotshav, Cuttak- Katthak 7. International Theatre Award- Cauttak 8. Jamshedpur Theatre Award-Jharkhand	3 <sup>rd</sup> 1 <sup>st</sup> 1 <sup>st</sup> 1 <sup>st</sup> 1 <sup>st</sup> 1 <sup>st</sup>
2011-12	1. Painting Competition 2. International theatre Olympiad Award, Cuttak Orrisa 3. International Theatre Award, Cuttak 4. Solo Classical, B.M.M. 5. Diploma in Art appreciation Course(Painting)	3 <sup>rd</sup> 2 <sup>nd</sup>
2012-13	1. E.D.P. Organized by CITCON, Raipur 2. Painting Competition, Govt. Girls Polytechnic College, Raipur 3. Rangoli Competition 4. Carrom Competition 5. In plant training Indira Export Private Limited, Raipur 6. State level Poster competition Rashtriya Matdata Diwas 7. Yuwa Utsav group dance competition, B.M.M. 8. Debate competition, B.M.M. 9. Extempo speech Competition 10. Tatkalinik Bhashan Sugam Sangeet competition, B.M.M. 11. Sugam Sangeet competition, B.M.M. 12. Solo song Competition B.M.M. 13. Solo song Classical B.M.M. 14. Solo Dance Classical B.M.M.	Participated 1 <sup>st</sup> 2 <sup>nd</sup> 1 <sup>st</sup> Participated 1 <sup>st</sup> 2 <sup>nd</sup> 2 <sup>nd</sup> 2 <sup>nd</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> 3 <sup>rd</sup> 3 <sup>rd</sup> 2 <sup>nd</sup>
2012-13	15. On Spot painting Competition, B.M.M. 16. Rangoli Competition B.M.M. 17. Rangoli Competition B.M.M. 18. All India Dance & Drama competition, Gurgaon 19. Performed in D.D. National competition, Raipur	1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> 3 <sup>rd</sup> Participated

2013-14	<ol style="list-style-type: none"> <li>1. Yuwa Utsav Group Dance competition, B.M.M.</li> <li>2. Yuwa Utsav Group Dance competition, Pt.R.S.S.Univ.Raipur</li> <li>3. Kaktiya College Andhra Pradesh East Zone Yuwa Utsav Group Dance Competition</li> <li>4. Rangoli Competition, B.M.M.</li> <li>5. Rangoli Competition, B.M.M.</li> <li>6. Sugam Sangeet B.M.M.</li> <li>7. Solo Classical Music B.M.M</li> <li>8. All India Dance &amp; Drama Competition Cuttak</li> <li>9. All India Multi lingual Dance Competition, Cutttak (Award)</li> <li>10. All India Dance Compt., Bharat Natyam Cuttak, Shimla &amp; Solon</li> <li>11. All India State level Music Competition, Haridwar</li> <li>12. All India State level Music Competition, Haridwar</li> </ol>	<ol style="list-style-type: none"> <li>1<sup>st</sup></li> <li>1<sup>st</sup></li> <li>Participated</li> <li>2<sup>nd</sup></li> <li>3<sup>rd</sup></li> <li>2<sup>nd</sup></li> <li>2<sup>nd</sup></li> <li>2<sup>nd</sup></li> <li>1<sup>st</sup> &amp; 2<sup>nd</sup></li> <li>Nritya shree</li> <li>Participated</li> <li>Participated</li> <li>Participated</li> </ol>
2014-15	<ol style="list-style-type: none"> <li>1. 59<sup>th</sup> All India Dance Competition (Award)</li> <li>2. 27<sup>th</sup> National Theatre Competition (Award)</li> <li>3. National Dance &amp; Drama Competition, Cuttak (Award)</li> <li>4. Natya Raval Cultural Association, Vaizag (Award)</li> <li>5. Natya Raval Cultural Association, Vaizag (Award)</li> <li>6. National Dance &amp; Drama Competition</li> <li>7. Performed in Pallawotsava at Mysoor Palace</li> <li>8. Solo Dance Competition, Pune</li> </ol>	<ol style="list-style-type: none"> <li>Gopi Krishna</li> <li>Nritya Mayuri</li> <li>Nritya Mayuri</li> <li>National Talent</li> <li>Chairmans</li> <li>Participated</li> <li>Participated</li> <li>2<sup>nd</sup></li> </ol>
2014-15	<ol style="list-style-type: none"> <li>9. Group Dance Competition,</li> <li>10. D.I.D. Dance India Dance Z-T.V. Session 4</li> <li>11. State level song competition, Raipur</li> <li>12. National level song competition, New Delhi</li> </ol>	<ol style="list-style-type: none"> <li>1<sup>st</sup></li> <li>Participated</li> <li>Participated</li> <li>Participated</li> </ol>

#### Student Achievements in Sports Activities:-

Session	Competition	Prize
2010-11	<ol style="list-style-type: none"> <li>1. Inter College Hand Ball competition, Mansa College</li> <li>2. Inter College Shatranj competition</li> <li>3. Inter College Basket Ball</li> <li>4. Inter College Cricket Competition</li> <li>5. Inter College Volly ball Competition Dist. Durg</li> <li>6. State level Volly Ball Competition Represented college</li> <li>7. East zone Volly Ball competition Uttaranchal</li> <li>8. Inter College Basket ball Competition</li> <li>9. Inter College soft Ball competition, Pt. R.S.S. Univ. Raipur</li> </ol>	<ol style="list-style-type: none"> <li>Participated</li> <li>Vijeta</li> <li>Vijeta</li> <li>Vijeta</li> <li>2<sup>nd</sup> Vijeta</li> <li>Vijeta</li> <li>Participated</li> <li>Vijeta</li> <li>2<sup>nd</sup> Vijeta</li> </ol>
2011-12	<ol style="list-style-type: none"> <li>1. Inter College Soft Ball competition, Pt. R.S.S. Univ. Raipur</li> <li>2. All India Soft ball competition, Chandigarh</li> <li>3. Inter College Soft Ball competition, Pt. R.S.S. Univ. Raipur</li> <li>4. Inter College Kho_kho competition, Dist. Durg</li> <li>5. State level Kho-Kho competition</li> <li>6. East Zone Kho-Kho competition</li> <li>7. All India Kho-Kho- competition, Ratnagiri</li> </ol>	<ol style="list-style-type: none"> <li>1<sup>st</sup></li> <li>Participated</li> <li>1<sup>st</sup></li> <li>Vijeta</li> <li>1<sup>st</sup></li> <li>1<sup>st</sup></li> <li>Participated</li> </ol>

2012-13	<ol style="list-style-type: none"> <li>Inter college State level Shatranj competition</li> <li>Discuss throw B.M.M.</li> <li>Inter College Hand Ball Competition, Durg</li> <li>Inter College Volley Ball competition</li> <li>Inter College Cricket Compet., Swaroopanand College, Bhilai</li> <li>Inter College Kho-Kho Competition Mansa College, Kohka</li> <li>Inter College Kho-Kho Competition Mansa College, Kohka</li> <li>State Level Kho-Kho competition, Raipur</li> <li>East Zone Kho-Kho competition, Amritsar</li> <li>State Level Hand Ball competition, Janjgir</li> <li>East Zone Hand Ball competition Represented University</li> </ol>	<ol style="list-style-type: none"> <li>2<sup>nd</sup> vijeta</li> <li>2<sup>nd</sup> Vijeta</li> <li>Vijeta</li> <li>Vijeta</li> <li>2nd Vijeta</li> <li>Vijeta</li> <li>Vijeta</li> <li>Participated</li> <li>Vijeta</li> <li>Represented</li> </ol>
2013-14	<ol style="list-style-type: none"> <li>Inter College Durg Dist. Volley Ball competition</li> <li>Inter College Soft ball Competition Pt. R.S.S. University, Raipur</li> <li>Inter College Cricket Competition, Mahansamund</li> <li>Inter College Hand Ball competition</li> <li>Inter College Net Ball competition, Pt. R.S.S. University Raipur</li> <li>1. Inter College Discuss throw</li> <li>State level discuss throw competition</li> <li>Inter College Net Ball competition, Pt. R.S.S. Raipur.</li> <li>4. Inter College Hand Ball Competition, Durg University Raipur</li> <li>Inter College Cricket Competition, Mahansamund</li> <li>Inter College Durg Dist. Volley Ball competition</li> <li>State level Volley Ball competition</li> </ol>	<ol style="list-style-type: none"> <li>Vijeta</li> <li>2<sup>nd</sup> Vijeta</li> <li>Vijeta</li> <li>2<sup>nd</sup> Vijeta</li> <li>Vijeta</li> <li>2<sup>nd</sup> Participated</li> <li>Vijeta</li> <li>Vijeta</li> <li>Vijeta</li> <li>Vijeta</li> <li>Represented</li> </ol>
2013-14	<ol style="list-style-type: none"> <li>Central Zone Inter College Volley Ball competition, Bhuwaneshwar</li> <li>All India Volley Ball Competition, Chennai</li> <li>Inter College Hand Ball Competition</li> <li>Inter College Table Tennis Competition</li> <li>Inter College Net Ball competition, Pt. R.S.S. Raipur</li> </ol>	<ol style="list-style-type: none"> <li>3<sup>rd</sup> Participated</li> <li>2<sup>nd</sup> Vijeta</li> <li>Vijeta</li> <li>Vijeta</li> </ol>
2014-15	<ol style="list-style-type: none"> <li>Dist, level Basket Ball</li> <li>State level Hand Ball</li> <li>National Hand Ball competition Jaunpur (U.P. )</li> <li>All India Hand Ball competition, Jammu</li> <li>Inter college Hand Ball Competition, B. M.M.</li> <li>Inter college Shatranj Competition Durg.</li> <li>State Level Shatranj Competition Dongargaon Durg.</li> <li>Inter college Table Tennis Competition</li> <li>Inter college Hand Ball Competition, B. M.M.</li> <li>Inter college Hand Ball Competition, B. M.M.</li> </ol>	<ol style="list-style-type: none"> <li>Participation</li> <li>Participation</li> <li>1<sup>st</sup> vijeta</li> <li>Participation</li> <li>Up Vijeta</li> <li>Vijeta</li> <li>Represented</li> <li>Vijeta</li> <li>Up Vijeta</li> <li>Up Vijeta</li> </ol>
2014-15	<ol style="list-style-type: none"> <li>State level Hand Ball competition, Govt. College Mahasamund</li> <li>Inter college Hand Ball Competition, B. M.M.</li> <li>State level Wholly Ball competition,</li> </ol>	<ol style="list-style-type: none"> <li>Vijeta</li> <li>Up Vijeta</li> <li>Up Vijeta</li> </ol>

#### Student Achievements in N.S.S:-

S.No.	Particulars	2010-11	2011-12	2012-13	2013-14	2014-15
1	Passed 'B' Certificate	1	2	2	5	-

2	Passed 'C' Certificate	-	2	2	-	2
3	Attended Camp	4	4	6	5	11

**24. List of eminent academicians and scientists / visitors to the department:**

1. Mrs. Maya Verma, Professor & Head, Govt. Degree P.G. college, Raipur
2. Prof. R.G. Bhawe, Head, Dept. of psychology, Govt. Degree P.G. college, Raipur
3. Dr. Anita Sood, Chief of Deptt. of Endocrinology, J.N.Hospital, Sec.9 Bhilai
4. Dr. A.Ghorpade, Dermatologist, J.L.N.Hospital, Sec.9 Bhilai
5. Dr. Vibha Rao, President, Rajya Mahila Aayog, Chhattisgarh
6. Smt. Usha Tawari, Member, Rajya Mahila Aayog, Chhattisgarh
7. Dr. Ashok Trivedi, Psychiatrist, Bhilai
7. Smt. Jaya Trivedi, Counselor & Social Activist, Bhilai
8. Mrs. Mohana Kashyap, Senior Merchandizing Manager, G.T.N. Textile Industries, Hyderabad (A.P.)
9. Mr. Pankaj Verma, Branch Manager, Navbharat, Raipur
10. Dr. Pramod Gupta, Secretary, Indian Psychiatrist Society, Chhattisgarh
11. Shri Yogesh Kumar, Chief Editor, Navbharat Bhilai
12. Shri Raju, Art & Craft Training Center, Badarpur, New Delhi
13. Dr. Uma Chaturvedi, Senior Child Specialist J.L.N.Hospital, Sec.9 Bhilai
14. Dr. Kamara, Gynecologist, J.L.N.Hospital, Sec.9 Bhilai
15. Dr. G. Malini, J.L.N.Hospital, Sec.9 Bhilai
16. Dr. Khurana, J.L.N.Hospital, Sec.9 Bhilai
17. Dr. Ajay Dani, Akshat Kushal, Nitesh Benerjee, Sandeep Chakraborty, Sumit Sahni, Rajesh Raja, Rajeev Nagpar, D.P.Soni, S.K. Nath, - All are members of Jaycees.
18. Dr.Sandhya Verma Principal Arts Science And Commerce College, Devendra Nager, Raipur
19. Dr. Devendra Ratnani Psychiatrist, Durg
20. Dr. Vibha Sing Professor, Political Science Kalyan College, Bhilai.
21. Dr Archana Chouhan Vice President IMA
22. Dr.Ajay Gowardhan-President IMA
23. Dr.Raju Bhaisare Secretary-IMA
24. Dr.Sangita Sinha-Secretary-AOGB
25. Shri Ramesh Tahanguria-Retired A.G.M Safety Deptt.B.S.P
26. Shri M.L.Sharma Retired A.G.M Safety Deptt.B.S.P
27. Shri Santosh Kasar CEO,DUDA
28. Shri Madan Mohan Shrivastava SEPWD
29. Dr.Sudhir Pandey Head Anant Vikas Sansthan

**25. Seminars/ Conferences/Workshops organized & the source of funding:**

Received Grant from U.G.C. for organizing National workshop in the session 2014-15.  
to Dr. Sandhya Madan Mohan

**26. Student profile – Programme / course wise:**  
**Session 2010-11**

Name of the Course/Programme	Applications received	Selected	Enrolled & Appeared	Pass percentage	Division		
					I	II	III
B.Sc. Home Science Part-III	15	15	15	100%	10	05	-
M.Sc. H. Sc. Prev. H.D.	08	05	04	100%	04	-	-
M.Sc. H. Sc. Final H.D.	06	06	06	100%	06	-	-
M.Sc. H. Sci. Prev. Tex & Clo.	08	08	08	100%	08	-	-
M.Sc. H. Sc. Final Tex & Clo.	05	05	05	80%	04	-	-

**Session 2011-12**

Name of the Course/Programme	Applications received	Selected	Enrolled & Appeared	Pass percentage	Division		
					I	II	III
B.Sc. H.Sc. Part-III	25	25	25	100%	09	16	-
M.Sc. H.Sc. H.D. 1 <sup>st</sup> Sem.	06	06	03	100%	03	-	-
M.Sc. H.Sc. H.D. 2 <sup>nd</sup> Sem.	04	04	03	100%	03	-	-
M.Sc. H.Sc. 1 <sup>st</sup> Sem. Tex & Clo	10	08	06	100%	06	-	-
M.Sc. H.Sc. 2 <sup>nd</sup> Sem. Tex & Clo.	08	08	06	100%	05	01	-
M.Sc. H. Sc. H.D. Final	04	04	04	100%	03	01	-
M.Sc. H. Sc. Tex & Clo. Final	08	08	07	100%	06	01	-

**Session 2012-13**

Name of the Course/Programme	Applications received	Selected	Enrolled & Appeared	Pass percentage	Division		
					I	II	III
B.Sc. H.Sc. Part-III	23	23	21	100%	09	12	-
M.Sc. H.Sc. H.D. 1 <sup>st</sup> Sem.	17	17	17	100%	07	10	-
M.Sc. H.Sc. H.D. 3 <sup>rd</sup> Sem.	03	03	03	100%	01	02	-
M.Sc. H.Sc. H.D. 2 <sup>nd</sup> Sem.	16	16	16	100%	12	04	-
M.Sc. H.Sc. H.D. 4 <sup>th</sup> Sem.	03	03	03	100%	02	01	-
M.Sc. H.Sc. Tex & Clo. 1 <sup>st</sup> Sem.	10	10	10	100%	09	01	-
M.Sc. H.Sc. Tex & Clo. 3 <sup>rd</sup> Sem.	06	06	06	100%	06	-	-
M.Sc. H.Sc. Tex & Clo. 2 <sup>nd</sup> Sem.	10	10	10	100%	08	02	-
M.Sc. H.Sc. Tex & Clo. 4 <sup>th</sup> Sem.	06	06	06	100%	04	02	-

**Session 2013-14**

Name of the Course/Programme	Applications received	Selected	Enrolled & Appeared	Pass percentage	Division		
					I	II	III
B.Sc. H.Sc. Part-III	18	18	18	100%	08	10	-
M.Sc. H.Sc. H.D. 1 <sup>st</sup> Sem.	09	09	09	100%	05	04	-
M.Sc. H.Sc. H.D. 3 <sup>rd</sup> Sem.	15	15	15	100%	15	-	-
M.Sc. H.Sc. H.D. 2 <sup>nd</sup> Sem.	09	09	09	100%	09	-	-
M.Sc. H.Sc. H.D. 4 <sup>th</sup> Sem.	15	15	15	100%	13	02	-
M.Sc. H.Sc. Tex & Clo. 1 <sup>st</sup> Sem.	10	10	10	100%	08	02	-
M.Sc. H.Sc. Tex & Clo. 3 <sup>rd</sup> Sem.	10	10	10	100%	09	01	-



M.Sc. H.Sc. Tex & Clo. 2 <sup>nd</sup> Sem.	10	10	10	100%	03	07	-
M.Sc. H.Sc. Tex & Clo. 4 <sup>th</sup> Sem.	10	10	10	100%	09	01	-

### Session 2014-15

Name of the Course/Programme	Applications received	Selected	Enrolled & Appeared	Pass percentage	Division		
					I	II	III
B.Sc. H.Sc. Part-III	24	24	24	-	-	-	-
M.Sc. H.Sc. H.D. 1 <sup>st</sup> Sem.	03	03	03	-	-	-	-
M.Sc. H.Sc. H.D. 3 <sup>rd</sup> Sem.	09	09	09	-	-	-	-
M.Sc. H.Sc. H.D. 2 <sup>nd</sup> Sem.	-	-	-	-	-	-	-
M.Sc. H.Sc. H.D. 4 <sup>th</sup> Sem.	-	-	-	-	-	-	-
M.Sc. H.Sc. Tex & Clo. 1 <sup>st</sup>	05	05	05	-	-	-	-
M.Sc. H.Sc. Tex & Clo. 3 <sup>rd</sup>	10	10	10	-	-	-	-
M.Sc. H.Sc. Tex & Clo. 2 <sup>nd</sup>	-	-	-	-	-	-	-
M.Sc. H.Sc. Tex & Clo. 4 <sup>th</sup>	-	-	-	-	-	-	-

### 27. Diversity of Students:

S.No.	Class	Diversity %	2010-11	2011-12	2012-13	2013-14	2014-15
1	B.Sc. H.Sc. Part-III	Same State	100%	93%	100%	100%	98.5%
		Other State	-	7%	-	-	1.5%
2	M.Sc. H.Sc. H.D.	Same State	100%	100%	100%	100%	66%
		Other State	-	-	-	-	34%
3	M.Sc. H.Sc. Tex & Clo.	Same State	100%	83%	100%	100%	100%
		Other State	-	17%	-	-	-

### 28. How many students have cleared national and state competitive examinations such as: NET - 4

### 29. Student progression:

Student progression	Against % enrolled
UG to PG	2010-11 60%
	2011-12 48%
	2012-13 54%
	2013-14 78%
PG to M Phil.	2
PG to Ph.D.	7

### 30. Details If Infrastructural Facilities

S. No.	Facilities	Books	Amount
1	Library	2632	3,38,200.00
2	Journals	19	
3	Internet facilities for staff and students	Facility available in the college for the Department under process	-
4	Classrooms with ICT facility	Facility available in the college. Facility for department under process	-

5	Laboratories - 5 (Five)	1. Nutrition & Extension education Lab 2. Bio.chem. & Physiology Lab. 3. Textile & Home Management Lab 4. Clothing Lab, 5. Human Development Lab.	-
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**31. Number of students receiving financial assistance from college, university, Govt. or other agencies:- In the form of Scholarships & fee concession (List enclosed)**

Year	S.C.	S.T.	OBC.	Integrated	Minority	Sports
2010-2011				02		00
2011-2012	03	01	02	02	0	01
2012-2013	05	00	10	04	0	00
2013-2014	03	03	10	04	03	03
2014-2015	03	02	05	Under process	03	02

**32. Details of Student Enrichment Programs (Special lectures/ Workshops/Seminar)**

**(A) Special lectures**

No. of Lectures				
2010-11	2011-12	2012-13	2013-14	2014-15
2	2	6	4	8

**(B) Seminar/workshop attended by the students (Departmental):**

No. of Seminars/workshops				
2010-11	2011-12	2012-13	2013-14	2014-15
2	2	2	3	3

**(C) Departmental other Programs :-**

1. Department formulates Home Science Association of students with office bearers every yr.
2. Guest Lectures have been organized under the association this help the students to interact with the eminent speakers and personalities.
3. Organization of in house short term training programme, seminars, workshops
4. Celebration of National days, National Programmes & special days like Vishawa Shanti Diwas, International women day etc.
5. Vocational, Psychological, health & Diet counseling sessions,
6. Organization of exhibitions.

**33. Teaching methods adopted to improve student learning:**

**Use of inter active methods** for e.g. question answer, power point presentation, projects, experimental, practical demonstrations and preparation of charts, files, hand work and organization of exhibitions.

**Socialized techniques** are used to develop efficiency in the learners enabling them to interact efficiently in social groups.

**Classroom discussions:** Class discussions are being conducted for the better interaction among lecturer & students so that students can express their ideas and problems. This also includes Demonstrations, Exhibitions, Puppet shows, audio visual methods.

**Seminars by students:** Students of P.G. are directed to organize seminars in each subject individually and Students are motivated for the use of Audio visual aids

**Field placement and organization of visits:** Visits to National Handloom Expo Visits to Family counseling centers, Day care centers, psycho centers, J.L.N.H. And R.C Nursery schools, Food Production and Distribution Units, Akshay Patra and Small scale production units to motivate for self employment, like Dona-Pattal production unit.

**In house vocational training programme** are being organized by the Department to inculcate entrepreneur skills among the students.

**Library:** Number of books (text & reference book), journals are available in college as well as in departmental library, which could help students in updating their knowledge. Organization of workshops in various areas.

### Evaluation Method

Monthly test, terminal test, model test, Mock tests, question answer forum, including paper presentations, tutorials, seminars and assignments. Monthly test are also given to P.G. students and monthly terminal & Model test are arranged for U.G. students

**Laboratory experiments** - As per the syllabus.

### Remedial Classes for UG and PG students

S.No.	Name of Teacher	No. of Periods taken		
		2010-11	2011-12	2012-13
1	Dr.(Mrs.). Sandhya Madan Mohan	3	4	5
2	Dr.(Mrs.) Sunita G. Rao	3	4	5
3	Mrs. Jyoti Bala Choubey	3	4	5
4	Dr.(Mrs.)Swarnlata Verma	3	4	5
5	Dr. (Mrs.) Rupam A. Yadav	3	3	6
6	Mrs. R. Chandrakar	3	3	5
7	Mrs. Sarita N. Joshi	2	3	4
8	Mrs. Amita Gadrey	-	-	4
9	Shri Sharad Kokas	-	-	2
10	Shri Alok Shrivastava	-	-	2
11	Shri Prasant Tiwari			2
	<b>Total Period Allotted</b>	<b>20</b>	<b>25</b>	<b>45</b>

### **34. Participation of Institutional Social Responsibility and extension activities.**

- i) Active participation in extension activities by Post Graduate students in nearby poor & slum area communities for educating them in hygiene health, nut. & elevating their living status.
- ii) Through N.S.S. and adult education faculty & students participate in various extension activities to fulfill their social responsibilities
- iii) Students of P.G. and U.G. visit to various nursery schools of Durg – Bhilai to give science, music and other experiences to young children & also try to develop skill in those children.
- iv) Diet counseling in institutions for students & faculty and also in slum, rural areas and for under privileged persons (Balance Diet, Diet during diseased condition).
- v) Demonstration of low cost nutritious recipes.
- vi) Demonstration of Food preservation techniques in N.S.S. Camps organized in rural or in nearby slum areas and other communities.
- vii) Students are motivated for Morality, culture, Discipline and world brotherhood by storytelling, by interaction, by celebrating world peace day world suicide day and by organizing various competitions in and outside Institutions.
- viii) Lectures for awareness regarding rights and responsibilities, health & hygiene, healthy living etc. are delivered in N.S.S. Camps
- ix) Awareness on current societal problems like aids, stress at Rajeev Nager, Raipur Naka and such other area.

### **35. SWOC analysis of the department and future plans**

#### **STRENGTHS:**

The Department encourages participation of students in wide range of extension, extracurricular and co- curricular activities by providing the participating students with the following incentives:

- Usage of a variety of methods for enhancing the learning environment.
- Well-equipped laboratories.
- Well qualified teachers with four Ph.Ds and one M.Phils.
- MRP's and other research programs.
- Teachers firmly believe in lifelong learning
- High success rates in examinations as compared to University results

- Student feedback analyzed and used for improvement in all processes
- Optimum utilization of resources
- Financially challenged students are assisted book bank, scholarships, personal books of department and stationary materials..
- Substantial number of extension activities.
- The Home Science Association
- Qualified, dynamic and dedicated faculty.

#### **WEAKNESSES :**

- Lack of campus recruitment facilities
- Diverse student community
- Interactions with the industry need to be enhanced. Due to meagre industries there is lack of research opportunities and industrial interactions.
- Inadequate documentation of activities.
- Inadequate funds for implementation of programmes and activities

#### **OPPORTUNITIES :**

- To introduce more self-financed courses.
- To open Post Graduate classes in food and nutrition, family resource management.
- Exploring possibility of collaborative research with other research departments.
- The department is entitled to offer new Diploma and Certificate courses.
- The Department is also keen on networking and collaborating with other academic departments in designing and teaching of curriculum and on the possibility of sharing e-resources of the library.

#### **CONSTRAINTS/CHALLENGES :**

- A lot of delay in giving NOC for recruitment and selection of teaching and non-teaching staff by the State Government.
- Parents unwilling to admit their wards for traditional courses.
- To provide job opportunities to the degree holders
- Providing resources for marginalized students
- To boost the confidence level and improve communication and language skills of

students from rural and under-privileged backgrounds.

- Inspiring and inculcating the value and reward of hard work in all students.
- The Department is determined to make every student of the department IT-literate by the time they graduate;
- Exploring possibility of collaborative research with other research departments.
- The department is entitled to offer new Diploma and Certificate courses.
- The Department is also keen on networking and collaborating with other academic departments in designing and teaching of curriculum and on the possibility of sharing e-resources of the library.

### **EVALUATIVE REPORT OF THE DEPARTMENT**

1. **Name of the Department:** HINDI
2. **Year of Establishment:** 1979
3. **Name of programmes /Courses offered:** (U.G. –B.Sc.,B.Sc.(HS.),B.Com.,B.C.A.)
4. **Names of Interdisciplinary courses and departments/ units involved-** Nil

	Sanctioned	Filled
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5. **Annual/ Semester/ choice based credit system (Programme Wise)-** U.G.
6. **Participation of the department in the course offered by the other department:** Bio,Maths,BT,IMB,Compt,B.C.A,B.Com.,B.HSc.
7. **Collaboration with other universities, industries,foreign institutions etc-** Nil
8. **Details of courses/ programs discontinued(if any) with reasons:** B.Sc (elect), B.Sc.(IMB) course discontinued due to lack of students.
9. **Number of Teaching Posts:**

Professor			00		00
Associated Professor	<b>Courses</b>	<b>Year</b>	00	<b>Ratio</b>	00
Assistant Professor					
Under Graduate	2011-2012		621:1		
1)Govt. granted post					
2)Self financing-statute 28	2012-2013	01	205:1	01	
Under Graduate		-		-	
3)Regular post sanctioned by Mngt.	2013-2014	01	692:1	01	
Under Graduate					
4)Ad-hoc sanctioned by Mngt.	2014-2015	-	675:1	-	

**10. Faculty Profile with name, qualification, designation, specialization (D.Sc./D.Litt./**

S.No.	Name	Qualification
1.	Dr. Mrs. Nisha Shukla	M.A., B.Ed., Ph.D.
2.	Dr. Mrs. Pratima Mishra	M.A., M.Phil., Ph.D.

**Ph.D./M.Phil. etc.)**

**Session 2014-2015**

**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 (Program Wise):**

Name	Qualification	Designation	Specialization	No. of years of experience	No.of P.hd student guided for last 4 years
Dr. (Mrs). Nisha Shukla	M.A., B.Ed., Ph.D.	Asstt. Prof.	Dewargeet	32 yrs	-
Dr. Mrs. Pratima Mishra	M.A., M.Phil., Ph.D.	Lecturer	Kamleshwer ki kahaniyon Me Shilp	15 yrs	-

14. No. of Academic support staff and Administrative Staff: Nil
15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.- Nil
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 center/ facility recognized by the university: Nil
19. Publications:
- a) Publications of Faculty members of Hindi Department

	Dr. Mrs. Nisha Shukla	Dr. Mrs. Pratima Mishra
Publications Per Faculty	01	01
No. of papers in national level journals	Nil	Nil
No. Of Articles publ. in News Paper	Nil	Nil

- b) Details of Published National Journal/ News Paper Article by Faculty Member
- National Journals: Nil

20. Areas of consultancy and income generated: Nil
21. Faculty as member in National Committee /International Committee /Editorial Board Member of Board of studies of Art faculty universities(RSSU)- College magazine Faculty name- Dr. Mrs. Nisha Shukla
22. Student Project
- a) Percentage of Students who have done in house Projects including interdepartmental program. :Nil
- b) Percentage of students placed for projects in organization outside the institution that is in Research laboratories/ Industries/ Other Agencies: Nil
23. Awards/ Recognition received by Faculty and students. :
- a) Merit Achievements of Students

Session	No. of Students	Class
---------	-----------------	-------



2012-2013	03	B.Sc
	02	B.HSc
2011-2012	05	B.HSc
2010-2011	06	B.HSc
	01	B.Com

- b) Students of institution placed after their Study-04
- c) Student Achievement in Extra Curricular Activities

**24. List**

S.No	Competition	No. of Student	Session
1.	Group Dance (Warangal)	06	2013-2014
2.	Sports	11	2010-2011
		16	2011-2012
		11	2012-2013
3.	NSS		
	'C' Certificate		
		07	2010-11
		10	2011-12
		11	2012-13
		12	2013-14
4.	NCC	02	2011-12
	RDC 'C' Certificate		

**of  
eminent**

**academicians and scientist/ visitors to the department: Nil**

**25. Seminars/ Conferences/ workshops organized & source of funding**a) **National** : Nilb) **International** : Nil**26. Student Profile Programme/Course Wise:**

Session	Name of the Course and Programme	Application Received	Selected	Enrolled		Pass Percentage
				*M	*F	
2011-12	B.Sc I	367	235		235	99.6%
	B.Sc-II	262	262		262	100%
	B.Sc –III	300	297		297	100%
	B.Com –I	264	177		177	100%
	B.Com-II	137	137		137	92.36%
	B.Com-III	161	161		161	100%
	B.Com(C.A)-I	60	39		39	100%
	B.Com(C.A)-II	45	38		38	100%
	B.Com(C.A)-III	37	37		37	100%
2012-13	B.Sc I	413	287		287	99.6%
	B.Sc-II	179	179		179	100%
	B.Sc –III	158	158		158	100%
	B.Com –I	256	188		188	100%
	B.Com-II	162	143		143	100%
	B.Com-III	161	141		141	100%
2013-14	B.Sc I	464	308		308	100%
	B.Sc-II	199	199		199	100%
	B.Sc –III	182	182		182	100%
	B.Com –I	273	178		178	99.6%
	B.Com-II	167	156		156	100%
	B.Com-III	171	161		161	100%

**27. Diversity of Students:**

Name of the Course	% of the students from the same state	% of the students from the other states	% of the students from abroad
-	-	-	-

**28. How many students have cleared National and state competitive examination such as NET,SLET,GATE, Civil Services, Defense Services etc.- Nil**

**29. Student Progression:**

Student Progression	Against % enrolled
UG to PG	Nil
PG to M. Phil	Nil
PG to Ph.D	Nil
PG to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	05
Entrepreneurship/Self-employment	

**30. Details of Infrastructure facilities:**

a.	College Library: Text Book : 1621, Periodical Journals:05, E-books –N-List Programme of INFLBNET)
b.	Internet facilities for staff and students: in the library
c.	Classrooms with ICT facility: in college main library
d.	Laboratories: Nil

**31. No. of Students Receiving financial assistance from college, University, government or other agencies:**

Session	Jindal	Higher Education C.G Raipur	SC	OBC	ST
2011-12	14	12	16	58	09
2012-13	16	12	12	87	15
2013-14	06	13	13	77	22

**32. Details on student enrichment programmes(Special Lectures/ Workshops/Seminar) with External experts: Nil****33. Teaching methods adopted to improve students learning.**

- Subject related knowledge through method conversation.
- To solve the queries of students through questionnaire procedure.
- To revise the previous topic taught in the class.
- Enforce students to do writing work of the subject.
- Periodically literary competition are organized by the department.
- Encourage students to use library.
- Remedial classes are held to solve the problems of students.

**Remedial and special classes are organized for slow learners:**

	2011-12	2012-13	2013-14
Dr. Mrs. Nisha Shukla	07	07	07
Dr. Mrs. Pratima Mishra	06	06	06

**34. Participation in Institutional Social responsibility (ISR) and Extension activities**

1. Undergraduate students of studying Hindi Language have been participating in various activities e.g. tree plantation, health checkup other social work. No. of students are members of the student council of the college which indulges in a no of extension activities.
2. Under Graduate students of different classes participate in environmental rallie literacy drives, tree plantation, cleanness drive various awareness rallies and NCC, NSS and blood donation camps.

**35. SWOC analysis of the department and Future Plans**

**STRENGTH :**

- Highly qualified dedicated staff.
  - Guidance, motivation and support from principal.
  - Co-operation from other department.
- Enriched library ,Dr. Megh Research center and departmental library.

**WEAKNESS:**

- Lack of permanent staff.

**OPPORTUNITIES**

- There are various opportunities in the field of Hindi-School, colleges, Banks, LIC, Railways, Post Office, Media-News papers, Television, Radio, Ministry of defense , Embassies, Translator in various fields Initiate the students to narrate the news of the day by reading news paper and watching television news.
- Motivate the students to be dictionary friendly and learn two new words every day.

**CHALLENGES :**

- Competing with co-educational institutions having U.G. in hindi.

- Preference of professional courses after XIIth.
- Competing with English language.

**FUTURE PLANS :**

- Special care is to be provided to bright students to get more University positions.
- To start B.A. with Hindi Literature.

## **EVALUTION REPORT OF THE DEPARTMENT**

### **1. Name of the Department : MATHEMATICS**

2. **Year of Establishment :** College- 1979; U.G - 1981 P.G. - 2001
3. **Names of Programmes /Courses offered (U.G., P.G., M.Phil, Ph.D. M.Phil, Ph.D., Integrated Masters, Integrated Ph.D. etc.):** Elective option in UG-B.Sc. (Phy, Chem, Math/B.Sc. (Physics, Computer, Maths) / B.Sc. (Physics, Electronics, Maths).

**PG:** M.Sc. in Mathematics

4. **Names of Interdisciplinary courses and Departments / Units involved:** BCA & B.Com
5. **Annual / Semester /Choice based credit system (Programme wise)** UG- Annual; PG-Semester
6. **Participation of Department in the courses offered by other Departments:**

S. No.	Departments	Courses	Units Involved
1	Science	B.Sc. (Bio Technology)	Biostatistics
2	Computer	B.C.A ( I, II, III ) M.Sc. (Computer Science)	Two full paper of Maths One full paper of Maths
3	Commerce	B.Com. (I)	Business Mathematics

7. **Courses in Collaboration with other Universities, Industries , Foreign institutions etc.:** Nil
8. **Details of courses / Programmes discontinued (if any) with reasons:**
  - a. Statistics paper of B.Sc. Biotechnology.
  - b. Maths paper of M.Sc. (Computer Science )

**Reason:** The respective Departmental Staffs are able to handle their course.

9. **Number of Teaching Posts:**

	Sanctioned	Filled
<b>Professors</b>	-	-
<b>Associate Professors</b>	-	-
<b>Assistant Professor- (I) Govt. Granted Post</b>	01	01
<b>(II) Self Financing –Statue 28</b>	02	Nil
<b>(III) Regular Post Sanctioned by Mgt.</b>	Nil	Nil
<b>(IV) Adhoc Sanctioned by Mgt. (On Students Strength Ratio)</b>	05	05

10. **Faculty profile with name, qualification, designation, specialization ( D.Sc / D.Lit / Ph.D / M.Phil etc.)**

Name	Qualification	Designation	Specilization	No. of years of Experience
Dr. Asha Rani Das	M.Sc. , Ph.D	Assistant Professor	Special Function	UG: 25 years PG: 13 years
Ms. Chit laxmi	M.Sc., B.Ed., M.Phil (Result	Adhoc lecturer	Graph Theory & Operation	UG: 5 years PG : 5 years
Ms.M. Bhagyalaxmi	M.Sc.,M.Phil (Result Awaited)	Adhoc lecturer	do	UG : 4 years PG : 4 years
Ms. Vidhi Khandelwal	M.Sc.	Adhoc lecturer	do	UG : 3 years PG : 3 years
Ms. Rajni Sahu	M.Sc.	Adhoc lecturer	do	UG : 2 years PG : 2 years
Ms. Dipika	M.Sc.	Adhoc lecturer	do	UG : 1 year PG : 1 year

**11. List of senior visiting faculty: Nil**

**12. Percentage of lectures delivered by temporary faculty:**

Session	Percentage(%)
2010-11	83% by Ad-hoc Staff
2011-12	83% by Ad-hoc Staff
2012-13	83% by Ad-hoc Staff
2013-14	83% by Ad-hoc Staff

**13. Student- Teacher Ratio (Progamming wise):**

Session	Ratio	
2010-2011	85:1	6:1
2011-2012	89:1	6:1
2012-2013	98:1	6:1
2013-2014	102:1	6:1
2014-2015	107:1	6:1

**14. Number of academic support staff (technical) and administrative staff, sectioned and filled : Nil**

**15. Qualifications of teaching faculty with D.Sc /D.Litt/ Ph.D / M.Phil/ PG:**

D.Sc.	D.Lit.	Ph.D	M.Phil	PG
Nil	Nil	01	02	03

**16. Number of faculty with ongoing projects from (a)National (b) international finding 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:**

Name of the Faculty	National	International
Dr. Asha Rani Das	17	Nil
Ms. Chitlaxmi	Nil	01
Ms.M. Bhagyalaxmi	Nil	01

**20. Areas of consultancy and income generated:** Nil

**21. Faculty as member in:**Life member in (1) Vivekananda Vidyapeeth Higher Secondary School ; Bhilai ; Dist-Durg Chhattisgarh.  
(2) Adi Sarvajanan Education Society.

**22. Student Projects:**

PG Mathematics -2<sup>nd</sup> Sem & 4<sup>th</sup> Sem , 100% in house project.

**23. Awards / Recognitions received by faculty and students:**

**A. Faculty:**

**(a). Dr. Asha Rani Das:**

1. In B.Sc. 4<sup>th</sup> position in merit list from Pt. Ravishankar Shukla University Raipur, C.G
2. Aailed National Scholarship on M.Sc. level.
3. In M.Sc. 1<sup>st</sup> position in merit list from Pt. Ravishankar Shukla University , Raipur, C.G.
4. Best student award from Bhilai Mahila Mahavidyalaya; Bhilai for the year 1985.
5. Winner of Silver Medal from B.M.M. 1985.
6. Winner of Smt. Shanta Bai Bhalekar Gold Medal in 1987.
7. Winner of Smt. Chandra Devi Gold Medal in 1987.
8. Winner of Vidyavati Cash award of Rs. 250/- in 1987.
9. Winner of Maths Society Award from Govt. Science & Arts college; Durg for the year 1988.
10. Yuva Pratibha Samman by Milan Sangh Club ; Bhilai, C.G.
11. Awarded by Chhattisgarh Bangali Youth Association, Raipur in the year 1990.



12. Other Several Awards from SAIL, Kalibadi Bhilai Nagar , Bangiya Kristi Parishad Bhilai Nagar. Indian Oil Corporation, Central Chronicle & Amit Fabrics.

**(b). Ms. Rajni Sahu :**

1. Awarded for highest marks in B.Sc. by Bhilai Mahila Mahavidyalaya for the year 2010.
2. Smt. Pushpa Bhumitra Gupta Smriti Excellence Award in 2010 [For 1<sup>st</sup> in Class].
3. Awarded for highest marks in M.Sc. by Bhilai Mahila Mahavidyalaya for the year 2012.
4. Silver Medal for First in Merit position in M.Sc. by Bhilai Mahila Mahavidyalaya for the year 2012.
5. Smt. Pushpa Bhumitra Gupta Smriti Excellence Award in 2012 [ For 1<sup>st</sup> in class ].
6. Winner of Smt. Chandradevi Gold Medal in 2012.
7. Winner of Smt. Shantabai Bhalekar Gold Medal in 2012.
8. Winner of Gold Medal for 1<sup>st</sup> in Merit (M.Sc. Maths) from Pt. Ravishankar Shukla University, Raipur.

**(c) Ms. Dipika Sahu**

1. In M.Sc. 3<sup>rd</sup> position in merit list from Pt. Ravishankar Shukla University, Raipur , CG. In the Year 2013
2. Awarded by Memento from Bhilai Mahila Mahavidyalaya in the year 2013.
3. Awarded NSS “C” Certificate.

**B. Students:**

S. No.	Awards/ Recognitions	2010-11	2011-12	2012-13	2013-14
1.	Merit	PG-05	UG-02 PG-06	PG-05	-
2.	Extra Curricular Activity	08	13	-	02
3.	Sports	09	20	10	11
4.	NSS	11	20	26	18
5.	NCC	01	02(RDC)	-	-

**24. List of eminent academicians and Scientists / Visitors to the department:**

- Dr. G.S. Saluja ; Govt N.P.G. College of science , Raipur , 2014.
- Dr. Varsha Karanjgaoker ; Govt N.P.G. College of science , Raipur , 2014.
- Dr. Prachi Singh ; Govt.V.Y.T. PG Autonomous College, Durg, 2014.
- Dr. P.P.Murthy , Guru Ghasidar Viswavidyalaya ; Bilaspur, (C.G.) , 2013.

- Dr. Pankaj Mehta ; Govt. Chhattisgarh College; Raipur, 2013.
- Dr. V.K. Pathak; Govt. College, Dhamtari, 2013.
- Dr. Padmavati; Govt. V.Y.T. PG Autonomous College, Durg 2012.
- Dr. M.A. Siddiqui ; Govt V.Y.T. PG Autonomous College; Durg (C.G.); 2010.
- Dr. G.K. Goswami ; Kalyan P.G. College; Bhilai, 2010.
- Dr. Shabnam Khan ; Digvijay College, Rajnandgaon, 2009.
- Dr. Pankaj Mehta ; Govt. Chhattisgarh College, Raipur, 2009.
- Dr. Jyoti Singh ; Swami Vivekanand Technical University, (C.G.), 2008.
- Prof. B.N. Dubey ; Ex- Principal ; M. J. College, 2008.
- Dr. G.K. Goswami ; Kalyan P.G. College; Bhilai , 2007.
- Prof. P.C. Roy ; Director , Swami Swarupanand College ; Bhilai, 2007.

**25. Seminars/ Conferences / Workshops organized the Source of funding:** Nil

**26. Student Profile Programme / Course Wise:-**

Name of the course / programme	Session	Application Received	Selected / Admitted	Appeared in Exam / Enrolled	Pass Percentage
B.Sc. ( Maths + CS + Electronics )	2010-11	344	305	292	86.98%
B.Com ( Part-1)		273	187	186	93.01%
B.C.A		21	16	14	78.57%
M.Sc. ( Maths)		37	28	28	100%
B.Sc. ( Maths + CS + Electronics )	2011-12	389	329	318	91.82%
B.Com( Part-1)		266	181	181	94.51%
B.C.A		37	26	26	92.3%
M.Sc. ( Maths)		46	30	29	100%
B.Sc.	2012-13	439	344	336	87.79%
B.Com ( Part-1)		232	194	189	93.12%
B.C.A		61	51	46	82.61%
M.Sc.( Maths)		51	29	29	100%
B.Sc.	2013-14	505	400	375	89.87%
B.Com ( Part-1)		262	188	179	82.13%
B.C.A		40	31	30	86.67%
M.Sc.( Maths)		50	29	29	100%

**27. Diversity of Student:-**

Name of course	Session	% of students from the same state	% of students from other state	% of students from abroad
UG- B.Sc.,B.Com, BCA  PG- M.Sc.(Maths)	2010-11	100% PG 99% UG	Nil 1% Every Year	Nil Nil
	2011-12	100% PG 99% UG	Nil 1% Every Year	Nil Nil
	2012-13	93.33% PG 99% UG	6.66% PG 1% Every Year	Nil Nil
	2013-14	92.86% PG 99% UG	7.14% PG 1% Every Year	Nil Nil

**28. How many students have cleared national and state competitive examinations such as NET, GATE, SLET, Civil Services, Defense Services etc.?**

No systematic record has yet been kept, but many students qualified in different Administrative services examination and other competitive examinations, including NET, GATE, SLET etc.

**29. Student Progression:-**

Student Progression	Against % Enrolled
UG to PG	100 %, As 15 seats are available.
PG to M.Phil	20%
M.Phil to Ph.D.	20%
PG to Ph.D	-
Ph.D to Post -Doctoral	-
<b>Employed</b> • Campus Selection • Other than Campus recruitment	-
Entrepreneurship / Self-Employment	-

**30. Details of Infrastructural facilities:-**

- **Library:** Central Library
- **Internet facilities for staff as students:** Yes
- **Class rooms with ICT facilities:** Yes
- **Laboratories:** Computer lab

**31. Number of students receiving financial assistance from college, university, government or other agencies:-**

S. No.	Scholarship Name	2010-11	2011-12	2012-13	2013-14
1.	ST/SC/OBC Scholarship	-	UG- 29 PG-03	UG-57 PG-06	UG-51 PG-06
2.	Minority scholarship	-	UG-03	UG-01 PG-01	UG-06 PG-02
3.	Department of Higher Education, C.G. Raipur	05	-	05	07
4.	Sitaram Jindal Scholarship	03	09	15	06
5.	Central Regional Scholarship	06	12	03	-
6.	Other Scholarship	-	25(UG+PG)	23(UG+PG)	13

**32. Detail of students enrichment programmes (Special lectures / Workshops seminar) with external expends:-**

Special lectures are conducted for all mathematics student of our college Details are as follows:

- Dr. G. S. Saluja from Govt. N.P.G. College Raipur delivered lecture on topic “Fixed Point theory”, 2014 .
- Dr. P. P. Murthy from Guru Ghasidas Viswavidyalaya, Bilaspur delivered lecture on topic “ What and Why is Mathematics ?”, 2013.
- Dr. Pankaj Mehta from Govt. Chhattisgarh College , Raipur delivered lecture on topic “ Virtual Maths Lab”, 2013.
- Dr. V. K. Pathak from Govt. P.G. College Dhamtari delivered lecture on topic “ LATEX – Language”, 2013.
- Dr. Padmavati from Govt. V.Y.T. P.G. Autonomous College , Durg , delivered lecture on topic “ Wavelet Theory”, 2012.
- Dr. G.K. Goswami from Kalyan P.G. College , Bhilai , delivered lecture on topic “ Cosmology”, 2010.
- Dr. M.A. Siddiqui from Govt. V.Y.T. P.G. Autonomous College , Durg , delivered lecture on topic “ Some interesting Application of Discrete Mathematics”, 2010.
- Dr. Pankaj Mehta from Govt. Chhattisgarh College, Raipur , delivered lecture on topic “ Cryptography”, 2009.
- Dr. Shabnam Khan from Govt. Digvijay College , Rajnandgoan, delivered lecture on topic “ Hilbert Space”, 2009.

- Dr. Jyoti Singh from Swami Vivekananda Technical University , Bhilai ,delivered lecture on topic “ Computer Graphics”, 2008.
- Prof. B.N. Dubey, Ex-Principal of M.J. College , Bhilai, delivered lecture on topic “Chaos Theory as Fractal”, 2008.
- Dr. G.K. Goswami from Kalyan P.G. College, Bhilai, delivered lecture on topic “Cosmology”, 2007.
- Prof. P.C. Roy, Ex-Director, Swami Swaroopanand College, Bhilai , delivered lecture on topic “Algebra”, 2007.

### 33. Teaching Method adopted to improve student learning:-

- Chalk and Black-Board, Marker Pen and White-Board, Over head projector .
- We take our P.G. / U.G. Students to attend and participate in various National / State Level Workshops, Seminars conducted by different colleges of Pt. Ravishankar Shukla University.
- For better performance we take Monthly / Terminal / Model Exams, Seminar and Group Discussions.
- Remedial classes were taken for weaker students.
- The Faculty of Maths Department taken classes of B.Sc ,BCA(I,II,III), B.Com.(I), M.Sc(P/F).

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:-

SESSION	2010-11	2011-12	2012-13	2013-14
B-Certificate	07	15	17	08
C-Certificate	04	05	09	10

### 35. SWOC Analysis of the department and Future Plans:-

#### STRENGTH AND OPPORTUNITIES:

- Consistently good academic results with a large number of 1<sup>st</sup> classes in U.G. & P.G.
- University Toppers in B.Sc. Mathematics in the year 2004 , 2012 and P.G. Mathematics in the year 2007 , 2008 , 2009 , 2012 under the Pt. R.S.S. University , Raipur.
- Ex-student of the department is working as faculty members and Research Scholars at different National and International Institutes.
- Excellent performances of our Ex-student in different competitive examination for jobs.

- Department of Mathematics is organizing Madhava Mathematics Competition 2013, 2014 for U.G. students of Mathematics organized by Department of Mathematics S.P. College , Pune and Homi Bhabha Centre for Science Education, TIFR , Mumbai with Financial Support from National Board for Higher Mathematics.

**WEAKNESS AND CHALLENGES:**

- Shortage of regular full time teachers for a long time at our department.
- No permanent non-teaching post / staff in our department.
- No permanent Technical Assistant post / staff for computer in our department.
- Lack of spaces in the department to interact with the students.

## EVALUATIVE REPORT OF THE DEPARTMENT

1. **Name of the Department:** ENGLISH
2. **Year of Establishment:** 1979
3. **Name of programmes /Courses offered :** (U.G. B.Sc., B.Sc.(HS.), B.Com., B.C.A.)
4. **Names of Interdisciplinary courses and departments/ units involved-**Nil
5. **Annual/ Semester/ choice based credit system (Programme Wise) -**U.G.
6. **Participation of the department in the course offered by the other department:** Bio, Maths, BT, IMB, Computer ,B.C.A, B.Com., B.H, Sc.
7. **Courses in collaboration with other universities,industries,foreign institutions etc. -** Nil.
8. **Details of courses/ programs discontinued(if any) with reasons:** B.Sc (elect), B.Sc. (IMB) course discontinued due to lack of students.
9. **Number of Teaching Posts**

S.No.		Sanctioned	Filled
1.	Professors	Nil	Nil
2.	Associate Professors	Nil	Nil
3.	Assistant Professors-		
	(1) Govt. Granted Post	01	01
	(2) Self Financing Statue 28	Nil	Nil
	(3) Regular Teaching Post sanctioned by Management	01	01
	(4) Adhoc -Sanctioned by Management (on students strength ratio)	Nil	Nil

10. **Faculty Profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.)**

**Session 2014-2015**

Name	Qualification	Designation	Specialization	No. of years of experience till March 2015	No. of Ph.D. students guided for the last 4 yrs
Mrs. Anita Narula	M.A.	Asst.Prof.	-	34	Nil
Dr. Mrs. Nabaneeta Munsi	BA Hons., M.A.,B.Ed, Ph.D.	Lecturer	-	29	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 (Program Wise)**

Courses	Year	Ratio
Under Graduate	2011-2012	621:1 (1242 students)
Under Graduate	2012-2013	205:1 (1410 students)
Under Graduate	2013-2014	692:1 (1384 students)
Under Graduate	2014-2015	675:1 (1350 students)

**14. No.of Academic support staff and Administrative Staff : Nil**

**15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.**

DSc	D.Litt	Ph.D	MPhil	P.G.
NIL	NIL	01	NIL	01

**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 center/ facility recognized by the university: Nil**

**19. Publications:**

**Publications of Faculty members of English Department**

	Mrs. Anita Narula	Dr. Mrs. Nabaneeta Munsri
Publications Per Faculty	Nil	10
No. of papers in national level journals	Nil	06
No. of Articles publ. in News Paper	Nil	04

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as member in National Committee /International Committee /Editorial**

**Mrs. A. Narula**

- Board Member of Board of studies of English and member of Arts faculty (RSSU)- Editor College magazine.

**22. Student Project**

- Percentage of Students who have done in house Projects including inter departmental program. : Nil**
- Percentage of students placed for projects in organization outside the institution that is in Research laboratories/ Industries/ Other Agencies: Nil**



**23. Awards/ Recognition received by Faculty and students. :****a) Merit Achievements of Students**

Session	Name	Class
2012-2013	03	B.Sc.
	02	B.H.Sc.
2011-2012	05	B.H.Sc.
2010-2011	06	B.H.Sc.
	01	B.Com.

**b) Students of institution placed after their Study-04****c) Student Achievement in Extra Curricular Activities**

S.No	Competition	No. of Student	Session
1.	Group Dance (Warangal)	06	2013-2014
2.	Sports	11	2010-2011
		16	2011-2012
		11	2012-2013
3.	NSS		
	'C' Certificate		
	07		2010-11
	10		2011-12
	11		2012-13
	12		2013-14
4.	NCC		
	RDC 'C' Certificate	02	2011-12

**24. List of eminent academicians and scientist/ visitors to the department: Nil****25. Seminars/ Conferences/ workshops organized & source of funding****a) National : Nil****b) International : Nil****26. Student Profile Programme/Course Wise**

Session	Name of the Course and Programme	Application Received	Selected	Enrolled/Marks Obtained		Pass Percentage
				*M	*F	
2011-12	B.Sc I	367	282		242	85%
	B.Sc-II	262	209		145	69.37%
	B.Sc –III	300	214		214	100%
	B.Com –I	264	182		180	98.90%
	B.Com-II	143	143		140	98.90%
	B.Com-III	161	141		133	94.32%
	BCA- I	17	17		17	100%
	BCA-II	18	18		18	100%

2012-13	B.Sc I	413	277		260	93.86%
	B.Sc-II	202	202		183	90.59%
	B.Sc –III	158	153		143	93.46%
	B.Com –I	256	189		189	100%
	B.Com-II	162	143		143	100%
	B.Com-III	161	141		141	100%
	BCA- I	25	25		25	100%
	BCA-II	16	16		16	100%
	BCA-III	10	10		10	100%
2013-14	B.Sc I	464	300		269	89.66%
	B.Sc-II	203	203		197	97.04%
	B.Sc –III	188	188		188	100%
	B.Com –I	273	178		155	87.07%
	B.Com-II	167	156		156	100%
	B.Com-III	171	161		161	100%
	BCA- I	07	07		07	100%
	BCA-II	08	08		08	100%
	BCA-III	16	16		16	100%

**27. Diversity of Students:**

Name of the Course	% of the students from the same state	% of the students from the other states	% of the students from abroad
-	-	-	-

**28. How many students have cleared National and state competitive examination 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	Nil
PG to Ph.D	Nil
PG to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> <li>Campus Selection</li> <li>Other than campus recruitment</li> </ul>	05
Entrepreneurship/Self-employment	

**30. Details of Infrastructure facilities:**

a.	College Library: Text Book : 1185, Periodical Journals: 03, E-books – N-List Programme of INFLBNET)
b.	Internet facilities for staff and students: in the library
c.	Classrooms with ICT facility: in college main library
d.	Laboratories: Nil
e.	Any Other

**31. No. of Students Receiving financial assistance from college, University, govt. or other agencies**

Session	Jindal	Higher Education	C.G Raipur	SC	OBC	ST
2011-12	14			16	58	09
2012-13	16			12	87	15
2013-14	06			13	77	22

**32. Details on student enrichment programmes (Special Lectures/ Workshops/Seminar) with External experts: NIL****33. Teaching methods adopted to improve students learning.**

- (A) Subject related knowledge through conversation.
- (B) To solve the queries of students through questionnaire procedure.
- (C) To revise the previous topic taught in the class.
- (D) Lay stress on written work.
- (E) Enforce students to do writing work of the subject.
- (F) Lay stress on writing work and evaluate the same.
- (G) The department organizes periodical literary competitions.
- (H) Initiating the habit of library visits.
- (I) Literary competitions are organized for the departments from time to time.
- (J) Remedial classes are held to solve the problems of students.
- (K) Periodical tests and exams are conducted to evaluate the students.
- (L) Remedial and special classes are organized for slow learners.
- (M) Group discussion among students on topics related to their subject is encouraged.

**Remedial and special classes are organized for slow learners:**

	2011-12	2012-13	2013-14
Mrs. A. Narula	05	05	05
Dr. N Munsri	04	04	04

### **34. Participation in Institutional Social responsibility (ISR) and Extension activities**

- No. of students are members of the student council of the college which indulges in a no of extension activities.
- Under Graduate students of different classes participate in environmental rallies, literacy drives, tree plantation, cleanness drive various awareness rallies and NCC, NSS and blood donation camps.
- NSS students involve themselves in community projects and donate utility items to the needy specially during natural calamities.
- Students and staff are attached with various social bodies and organizations like Lioness club, ladies club Netajii Subhas club in Durg and Bhilai and involve themselves in various social service activities through them.
- Members of staff are engaged in providing coaching regarding Spoken English and Personality development to outsiders and hostelers free of cost.

### **35. SWOC analysis of the department and Future Plans**

#### **STRENGTH :**

- Highly qualified dedicated staff.
- Guidance, motivation and support from Principal.
- Co-operation from other departments.
- Mentoring, encouraging for writing on wall magazine and college magazine.
- Promotion of creative endeavors.
- Brilliants University results.
- Campus placements, admission to higher institutions of learning.

#### **WEAKNESS:**

- Dependence on affiliated university for approval of new courses.
- Phobia and lack of interest of Hindi medium and rural background students in the subject as a foreign language as they have a weak background.
- Withdrawal tendency of students from attending English language classes

#### **OPPORTUNITIES:**

- National and state level seminar, workshops attended and paper presented.
- Spoken English and improvement classes for students conducted.

- Improve reading habits through interesting books and magazines.
- Initiate the student to speak in English with their teachers and parents.
- Conduct Group discussions and Storytelling competitions and encourage the students to participate the same.
- Motivate the students to be dictionary friendly and learn two new words every day.

#### **FUTURE PLANS:**

- Work hard on weak students so they understand the importance of the subject to benefit themselves in the job market.
- Work hard on bright students to prepare them to face the job market and get absorbed in reputed firms.

## EVALUTION REPORT OF THE DEPARTMENT

1. **Name of the department-** PHYSICS
2. **Year of Establishment-** U.G.- 1979  
P.G.- 2004
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

UG	B.Sc.(Maths,Physics,Chemistry), B.Sc.(Maths,Physics,Computer science)
PG	M.Sc.(Physics)

4. **Names of Interdisciplinary courses and the departments/units involved:** B.C.A.
5. **Annual/ semester/choice based credit system (programme wise)**

Annual	Semester
UG- Part I,II, III	PG

6. **Participation of the department in the courses offered by other departments:**

The departmental teachers take one complete paper of basic Electronics of BCA Part I

7. **Courses in collaboration with other universities, industries, foreign institutions,etc:** Nil
8. **Details of courses/ programmes discontinued (if any) with reasons-** B.Sc (Electronics)

Reason- A very few students less than 10 approach for admission in every academic year, hence we guided them to join either B.Sc. (Physics, Chemistry, Maths) or B.Sc. (Physics, Computer Science, Maths) as per marks obtained by than in class 12<sup>th</sup>.

9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors		
1. Govt. Grant in Aid Post	2	2
2. Self Financing under statute-28	2	2
3.Sanctioned by Management Adhoc appointed as per student strength in every academic year (Self Financing)	4	3

**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.(Mrs) Zehra Hasan	M.Sc. M.Phil. , Ph.D.	Assistant Professor	Solid State, Bio Physics, Plasma Physics	35	Nil
Mrs. P.C.Claudius	M.Sc., M.Phil., Ph.D. (Pursuing)	Assistant Professor	Electronics, Material Science	29	Nil
Ms. Kanchana Shahi	M.Sc. M.Phil., ,B.Ed. Diploma in Management Ph.D (Pursuing)	Assistant Professor	Electronics, Material Science	13	Nil
Ms.Nandita Khanra	M.Sc. , M.Phil.	Assistant Professor	Solid State	03	Nil
Ms. Nikhat (2009-11)	M.Sc.	Lecturer (Adhoc)	Electronics	05	Nil
Ms. Bushra (2009-11)	M.Sc.	Lecturer (Adhoc)	Electronics	02	Nil
Mrs. Neetu (2009-10)	M.Sc.	Lecturer (Adhoc)	Electronics	01	Nil
Ms. Geetanjali (2010-11)	M.Sc.	Lecturer (Adhoc)	Electronics	01	Nil
Ms. Neeta Sahu (2011-13)	M.Sc.	Lecturer (Adhoc)	Electronics	02	Nil
Mrs. Poonam (2011-12)	M.Sc.	Lecturer (Adhoc)	Electronics	01	Nil
Ms. Arti Sahu (2011-12)	M.Sc.	Lecturer (Adhoc)	Electronics	01	Nil
Ms. Ranjita (2011-12)	M.Sc.	Lecturer (Adhoc)	Electronics	01	Nil
Ms. Nirmala Sahu (2012-13)	M.Sc., M.Phil.	Lecturer (Adhoc)	Electronics	01	Nil
Ms. Neelam Verma	M.Sc.	Lecturer (Adhoc)	Electronics	02	Nil
Mrs.L.Silpa	M.Sc.	Lecturer (Adhoc)	Electronics	01	Nil
Ms. Gunjeshwari Mahadeva	M.Sc.	Lecturer (Adhoc)	Electronics	01	Nil
Ms. Priyanka	M.Sc.	Lecturer (Adhoc)	Electronics	01	Nil

**11. List of senior visiting faculty- Nil**

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty**

Course	Percentage of lectures delivered by temporary faculty	Percentage of practical classes handled by temporary faculty
U.G.	54.28%	50%
P.G.	57.5%	5%

**13. Student -Teacher Ratio (programme wise)**

Course	U.G.	P.G.
Student -Teacher Ratio	60:1	3:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled-**

Post	Sanctioned	Filled
Lab Attendent	01(Retired hence vacant )	01 (Adhoc)

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.- Details as given in point 10 Nil/ Nil/One/Four/Three****16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**

No. of the Faculty	National	International
01	02	Nil

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

S. No	Name of faculty	Title of project	Funding agency	Grant Received (inlacs)
1.	Dr. (Mrs.) Zehra Hasan	1) To study non linear waves in dusty plasma 2) Isolation identification and molecular characterization of toxic resistance microbes present in industrial effluents.	UGC-CRO Bhopal	Rs 30,000/- Rs 3,40,000/-

**18. Research Centre /facility recognized by the University -**

Department is not recognized as Research centre, but with the help of UGC grant department has established its own research lab where sample can be prepared. In our lab we have Muffle Furnance , Hot Air Oven , Water Bath , Single Pan Balance for sample preparation. Other important apparatus are Four Probe Setup, ESR Michelson's Interferometer , Hall Effect App. , Magnetic Susceptibility Setup are available for basic characterization. Department teachers are actively involved in research.

**19. Publications:**

Name of faculty	Dr. (Mrs.) Zehra Hasan
Number of papers published in peer received international journals	06
Number of papers published in peer received national journals	04



**20. Areas of consultancy and income generated- Nil****21. Faculty as members in-**

<b>Name</b>	<b>National committees</b>
Dr. (Mrs.) Zehra Hasan	1. Member of Central Board of Studies Higher Education, M.P. Bhopal. 2. Board of Studies of Physics in Pandit Ravishankar Shukla University, Raipur (3 Years) 3. Life Member of Indian Association of Physics Teacher. 4. Life Member-Third World Organization For Women in Science 5. Life Member- World Education Fellowship 6. Life Member-Chhattisgarh Vigyan Bharti Sansthan 7. The Indian Science Congress Association 8. Member- Principal of Academic Staff College, Pt.RSU during 2012-2014 9. Vice Chancellor's Nominee-Member of interview committee for appointment of---- a) Assistant Professor in Physics at Bhilai College of Information Technology, Jamul Bhilai. b) Assistant Professor in Physics at St. Thomas College, Bhilai. c) Assistant Professor in Commerce at MJ College, Bhilai. d) Assistant Professor in Education at Surana College, Durg.
Mrs.P.C. Claudius	1. Life Member of Indian Association of Physics Teacher. 2. Member of Education council
Ms. Kanchana Shahi	Life Member of Utsahi Physics Teacher run by Professor H.C. Verma , IIT Kanpur

**22. Student projects****a) Percentage of students who have done in-house projects including inter departmental/programme-**

100% for PG students. Project work of 6 months mandatory for completion of M.Sc Degree

**b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies- N. A.****23. Awards / Recognitions received by faculty and students-****Students:-**

<b>S.No.</b>	<b>Awards/ Recognition (No's)</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
1.	Merit U.G. P.G.	Nil 07	01 04	01 02	Awaited
2.	Extra Curricular Activity	Nil	03	02	02
3.	Sports	05	02	17	14
4.	N.S.S	11	20	26	14

## 24. List of eminent academicians and scientists / visitors to the department

S. No.	Name of Eminent Academicians/Visitors	Organization
1.	Dr. Raghu Bhattacharya	Scientists Emeritus NPL, New Delhi
2.	Dr.B.C.Tripathi	School of Life Science, J.N.U., NewDelhi
3.	Dr. S.K.Pandey	Vice Chancellor ,S.O.S. in Physics, Pt. R.S.S.U., Raipur
4.	Dr. B.P Chandra	Ex. Vice Chancellor, Pt. Ravishankar Shukla University
5.	Dr. Shashi Bhushan	Professor and Head, S.O.S. in Physics, Pt. R.S.S.U. ,Raipur
6.	Dr.D.Kumar	School of Physical Sciences, J.N.U., NewDelhi
7.	Dr. D. Varshney	School of Instrumentation, DAV, Indore
8.	Dr.Meenu Varshney	Dept. of Physics, M.B.Khalsa College, Indore
9.	Dr. R.K.Pandey	Dept. of Physics, Barkatullah University, Bhopal
10.	Dr. V.K. Mohabey	H.O.D, Electronics & IT, Kalyan Mahavidhyalaya, Bhilai Nagar
11.	Dr.N.S.Suryanarayan	Dept. of Physics, Govt. V.Y.T.P.G College,Durg
12.	Dr.Ninad Bodhankar	S.O.S. in Geology, Pt. R.S.S.U. ,Raipur
13.	Dr. P.K.Shrivastava	Assistant Prof. , Govt. V.Y.T.P.G College,Durg
14.	Dr .Piyush Kant Pandey	Dept. of Chemistry, Bhilai Institute Of Technology, Durg
15.	Dr.H.L.Vishwakarma	Dept. of Physics, Rungta College of Engg. & Tech.
16.	Dr. A. R. Kulkarni	IIT, Mumbai
17.	Dr. V. Ganeshan	UGC-DAE-SCR, Indore
18.	Dr. F. Z. Haque	MANIT, Bhopal
19.	Dr. Fehmina Zafar	Dept. of Chemistry, Jamia Millia Islamia, New Delhi
20.	Dr.Eram Sharmin	Dept. of Chemistry, Jamia Millia Islamia, New Delhi
21.	Dr. S. Sahoo	N I T, Durgapur, West Bengal
22.	Dr. Jaishankar P.	NITZA Biologicals, Hydrabad
24.	Dr. R. M. Chandola	J. N. Smriti Chikitsa Mahavidyalaya, Raipur

25.	Dr. R. C. Agrawal	S.O.S. in Physics, Pt. R.S.S.U. ,Raipur
26.	Dr.H.L. Vishwakarma	Dept. of Physics, Rungta College of Engg. & Tech.
27.	Prof.Dr V.K Tripathi	School of Physics , IIT DELHI
28.	Dr. P.K. Sen	Department of Applied Physics,SGSITS, Indore
29.	Dr. Pratima Sen	School of Physics,DAVV Indore
30.	Dr. JP Andrews	Department of Applied Physics,SGSITS, Indore
31.	Dr. Ruchir Bhatanagar	JLN Hospital & Research Centre, Sec 9 Bhilai
32.	Dr. K.V.R. Murthy	President Luminescence Society of India, Department of Applied Physics, M.S. University of Baroda
33.	Prof. Dr. K. Somaiah	Dean, Rajiv Gandhi University of Knowledge & Tech., Hyderabad
34.	Dr.S.J.Dhoble	RTM Nagpur, Nagpur University
35.	Dr. R.N Baghel	Pt. Ravishankar Shukla University
36.	Dr.Jageet Saluja	Govt. V.Y.T.P.G College,Durg
37.	Dr. Nameeta Brahme	S.O.S. in Physics, Pt. R.S.S.U. ,Raipur
38.	Dr. N. Kumarswamy	S.O.S. in Electronics, Pt. R.S.S.U., Raipur
39.	Dr.A.K. Shrivastava	Jiwaji University, Gwalior
40.	Dr.Jageet Kaur Saluja	Govt. V.Y.T.P.G College,Durg
41.	Dr. Pratima Sen	School of Physics,DAVV Indore
42.	Dr. Y.P.Patel	Kalyan Mahavidhyalaya, Bhilai Nagar
43.	Dr.S.V.Ghodbole	Nuclear Chemistry Division, BARC
44.	Dr. Anjali Oudhia	Govt. V.Y.T.P.G College,Durg
45.	Dr.Tarashankar Pal	IIT Kharagpur, W.B
46.	Dr. N.K. Chakradhari	S.O.S. in Physics, Pt. R.S.S.U. ,Raipur

## 25. Seminars/ Conferences/Workshops organized & the source of funding

### a) National

S. No.	Name of Event	Source of Funding
1	Conference on “Current Trends in Physics”, 25-26 <sup>th</sup> Feb, 2007.	U.G.C
2	Conference on “Current Trends in Material Sciences”, 5-6 <sup>th</sup> Feb, 2010.	U.G.C
3	Workshop on “Laser & Plasma Physics”, on 6-7 <sup>th</sup> Feb, 2012.	U.G.C
4	Workshop on “Luminescence & its applications” on 7-8 <sup>th</sup> March 2013.	U.G.C

### b) International - Nil

**26. Student profile programme/course wise:**

Session	Name of the Course/ programme	Applications received	Selected	Enrolled		P*M = Male *F = Female Pass Percentage
				*M	*F (All Female)	
2011-12	B.Sc. I(Maths)	78	54		54	69.7%
	B.Sc. II(Maths)	31	31		31	100%
	B.Sc. III(Maths)	15	15		15	93.33%
	B.Sc. I(C.S.)	98	64		64	82.81%
	B.Sc. II(C.S.)	50	50		50	100%
	B.Sc. III(C.S.)	54	54		54	94.11%
	M.Sc. (Sem-I)	19	09		09	100%
	M.Sc. (Final)	05	05		05	100%
2012-13	B.Sc. I(Maths)	113	69		69	81.14%

**27. Diversity of Students:**

Name of the Course	2010-2011		2011-12		2012-13		2013-14	
	% of students from the same state	% of students from other States	% of students from the same state	% of students from other States	% of students from the same state	% of students from other States	% of students from the same state	% of students from other States
U.G.	98.72%	1.28%	97.3%	2.7%	98.78%	1.2%	98.38%	1.62%
P.G.	100%	-	100%	-	90%	10%	90%	10%

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**

National & State Exam	2010-11	2011-12	2012-13	2013-14
B.Ed	03	02	03	03
M.C.A.	02	02	02	03
BITS Pilani	-	-	-	03

**29. Student progression**

Student progression	Against % enrolled				
	2010-11	2011-12	2012-13	2013-14	2014-15
UG to PG ( <i>Only ten seats in P.G.</i> )	50%	70%	90%	90%	100%
PG to M.Phil.	-	1%	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed	-	-	-	-	-
• Campus selection					
• Other than campus recruitment					
Entrepreneurship/Self-employment	95%	95%	97%	100%	100%

### 30. Details of Infrastructural facilities

- a) Library- \*Main Library - 2501 Physics and 153 Electronics Books  
Three Journals and two Magazines  
Inflibnet facility available for college Teachers

\* Departmental library - 151 books

- b) Internet facilities for Staff & Students- Available in main library  
c) Class rooms with ICT facility  
d) Laboratories

One Furnace room	Two muffle furnace fitted with microprocessor based Temperature controllers
One PG Lab For General Experiments	Microwave set up complete, CRO & Probe sets, Hall Effect App, Energy Gap App, Magnetic Susceptibility App, Electron Spin Resonance, Four Probe Method, Hysteresis Loop Tracer, Dielectric Constant App, B-H Curve App, Stefan's Constant App, Lattice Dynamic Kit, CRO, Curie temp Kit, Refrigerator, Energy Band Gap App.
One PG Lab For Electronics Experiments	MOSFET Char App., OP-AMP, Encoder-decoder Adders & Subtractors, Frank-Hertz App, Diac, Triac, SCR, Multivibrator, Universal Gates, Arithmetic Logic Gates, Digital to Analog Converter, Timer IC-555, RAM, Parity circuit, Pulse position modulator, Analog to Digital Converters, Left & Right Shift Registers, Pulse-width Modulator, Microprocessor.
One Computer Lab	Disk Computer-03, Printer-01
One Dark Room For PG Classes	Planck's Constant App, Lasers, Constant Deviation Spectrometer, Fabry Perot Interferometers, Michelsons Interferometers, Lasers, Sodium Light Sources, Mercury Light Sources

### 31. Number of students receiving financial assistance from college, university, government or other agencies-

Name of Agencies	2010-11		2011-12		2012-13		2013-14	
	U.G.	P.G.	U.G.	P.G.	U.G.	P.G.	U.G.	P.G.
SC/ST/OBC Scholarship	-	-	29	01	31	02	41	02
Scholarship Post metric /merit cum means minority scholarship	-	-	03	01	01	-	06	-
Deptt. Of Higher Education C.G., Raipur	03	-	06	-	12	-	03	-
Sita Ram jindal	03	-	09	-	15	-	06	-
Other agencies	-	-	25	-	23	-	13	-

**32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:**

Session	Seminar/Workshop/Symposium/ Invited Lecturer
2006-2007	Department of Physics organized a 2 days UGC sponsored Conference on “Current Trends in Physics”, on 25-26 <sup>th</sup> Feb, 2007.
2007-2008	Guest Lecture on Plasma Physics Introduction on 31-01-08 by Dr. N.S. Suryanarayan Govt. V.Y.T.P.G. College,Durg
2008-2009	Guest Lecture on Superconductivity on 15 & 16 Jan 2008 by Dr. Anjali Oudhia Govt. V.Y.T.P.G. College,Durg
2009-2010	Department of Physics organized a 2 days UGC sponsored Conference on “Current Trends in Material Sciences”, on 5-6 <sup>th</sup> Feb, 2010.
2010-2011	Department of Physics organized a 2 days UGC sponsored Workshop in Plasma Physics.
2011-2012	<p>*Department of Physics organized a 2 days UGC sponsored Workshop on “Laser &amp; Plasma Physics”, on 6-7<sup>th</sup> Feb, 2012.</p> <p>*Guest lecture on “Tin Oxide thin film sensors- Development &amp; characterization” on 12<sup>th</sup> Sep 2011 by Dr.Y.P. Patel Kalyan Mahavidyalaya, Bhilai Nagar</p> <p>* Guest lecture on “Research prospects in Bhabha Atomic Research Centre” on 10<sup>th</sup> Oct 2011 by Dr. S.V. Ghodbole Nuclear Chemistry Division, BARC, Mumbai</p>
2012-2013	<p>*Department of Physics organized a 2 days UGC sponsored Workshop on “Luminescence &amp; its applications” on 7-8<sup>th</sup> March 2013.</p> <p>* Guest lecture on “Development of Lamp &amp; TLD Materials” on 14<sup>th</sup> Jan 2013 by Dr. S.J. Dhoble RTM Nagpur, Nagpur University</p> <p>* Guest lecture on “Imperfection” on 18<sup>th</sup> Jan 2013 by Dr. A.K. Shrivastava Jiwaji University, Gwalior</p> <p>* Guest lecture on “Magnetism” on 18<sup>th</sup> Jan 2013 by Dr. Anjali Oudhia Govt. V.Y.T.P.G. College,Durg</p>
2013-2014	<p>* Guest lecture on “Luminescence: Basics &amp; Applications” on 17<sup>th</sup> Sep 2013 by Dr.Jagjeet Kaur Saluja Govt. V.Y.T.P.G. College,Durg</p> <p>* Guest lecture on “Metal &amp; Metal Oxide nano particles for future applications” on 17<sup>th</sup> Sep 2013 by Dr. Tarashankar Pal IIT Kharagpur, W.B.</p> <p>* Guest lecture on “Flip Flop” on 30<sup>th</sup> April 2014 by Dr. P.K. Dewangan Science College,Raipur</p> <p>* Guest lecture on “Opportunities &amp; Challenges in Physics &amp; Astrophysics” on 16<sup>th</sup> Jan 2014 by Dr. NandKumar Chakardhari S.O.S. in Physics,Pt.R.S.S.U. ,Raipur</p> <p>*Sky gazing program on Jupiter &amp; its satellite and Moon” on 16<sup>th</sup> Jan 2014 evening by Dr. NandKumar Chakardhari S.O.S. in Physics,Pt.R.S.S.U. ,Raipur</p>
2014-2015	* Guest lecture on “Laser & Non Linear Optics” on 7 <sup>th</sup> Oct 2014 by Dr. Meenu Varshney Dept. of Physics, M.B. Khalsa College, Durg

**33. Teaching methods adopted to improve student learning**

- Helps of models & experimental kits is taken to explain Basic concepts
- Classroom tests taken to evaluate their progress time to time .

- Students are allotted topics, they prepare power point presentation & class seminars are held
- Special classes are held for slow learners & advanced lectures
- Experimental workshops seminar & conference, Guest lectures are held for students
- Internet videos of selected topics like Hall Effect are shown
- Encourage the visit to library, students are also given assignment which they complete using books from library

#### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

- Students participate in environment rallies, NSS, NCC camps from time to time.
- Students participate in sports at state level, national & International level also
- Students participated in co-curricular & extracurricular activities as dance competition, Youth festival.

#### **35. SWOC analysis of the department and Future plans-**

##### **STRENGTH:**

- Fully equipped labs for UG,PG classes & facility available for research.
- Dedicated & hard working faculty.

##### **WEAKNESS:**

- Only 10 seats are approved for PG students, so our girls student face problem to get admitted in PG program in neighbouring colleges.
- Separate room is needed for research lab & PG classes.
- One Lab technician is required.
- Internet facility and intercom in Department is needed.

##### **OPPORTUNITY:**

- Department has research equipments [as mentioned in point 30(d)].  
These facilities will help to promote the department as a material science research centre.

##### **CHALLENGES :**

- No. of seats in PG classes can be increased.

##### **FUTURE PLAN :**

- Teachers are planning for getting more projects from different agencies.
- Minor projects will be given to the B.Sc. students.

## EVALUTION REPORT OF THE DEPARTMENT

1. Name of the department- **COMPUTER SCIENCE**

2. Year of Establishment- 1992-1993

Courses	Year of Affiliation
B.Sc(C.S) I , II , III	1995
BCA (I,II,III)	2009
M.Sc.(C.S.)	2005
PGDCA	2001

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)- B.C.A.,B.Sc.(Computer Science),M.Sc.(Computer Science), P.G.D.C.A.

4. Names of Interdisciplinary courses and the departments/units involved- B.C.A., B.Sc.(C.S)

5. Annual/ semester/choice based credit system (programme wise)-

UG Part I,II, III -Annual

PG, PG Diploma - Semester

6. Participation of the department in the courses offered by other departments-

Department of computer science participates actively in the National/College Level Conference, Seminar, Workshop, Lectures and other related to Academic Activities.The departmental teachers take complete Theory paper and Practical of B.Com. Part I, II, III with CA., M.Com. Final year, B.Sc. (Home Science) Part I, M.Sc.(Micro Biology) II Sem, **M.Sc.(Micro Biology) II Sem, M.Sc.(Chemistry) II Sem.**

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/ Lecturers

		Sanctioned	Filled
Professors		Nil	Nil
Associate Professors		Nil	Nil
Asst. Professors	Govt. Granted Post	Nil	Nil
	Self Financing-Statute-28	2	2
	Regular post Sanctioned by Management	1	1
	Adhoc Sanctioned by Management (On student strength ratio)	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. Salma Mohd. Shafi	MCM, M.Phil.(CS), Ph.D. (Pursuing) PGDCPA, WAPNext (Singapore), Web Weaver, DTP, Internet Programming Diploma in Export Management	Head And Assistant Professor	Ethical Hacking, Programming Languages,	Total-8 1)Head &Asstt. Professor-05 2)Lecturer-03	Nil
Ms. Suraiya Bano**	M.Sc.(IT), PGDCSc M.Phil.(CS) M.A.(Eng. Lit.), Adeeb (Urdu), Advanced Course in "UNIX/	Assistant Professor	Software Engineering, Programming Languages	Total-6 1)Asstt. Professor-05 2)Lecturer-01	Nil
Mrs. Amita Gadre	BE (Electronics & Power) Computer Competency Course	Lecturer	Computer Hardware, Programming Languages	17	Nil
Ms. Harsha Asnani	BCA, MCA	Lecturer (Adhoc)	Programming Languages	01	Nil
Ms. Akanskha Chopda	BCA, M.Sc.(CS)	Lecturer (Adhoc)	Programming Languages	1 Months	Nil
Ms. Sarita Manikpuri	B. Sc.(CS), M.Sc.(CS)	Lecturer (Adhoc)	Programming Languages	4 Months	Nil
Ms. Athiti Singh	BCA, M.Sc.(CS)	Lecturer (Adhoc)	Programming Languages	4 Months	Nil
Ms. Menka Verma	BCA, MCA	Lecturer (Adhoc)	Programming Languages	4 Months	Nil

**11. List of senior visiting faculty- Nil**

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty**

Course	Percentage of lectures delivered by temporary faculty	Percentage of practical classes handled by temporary faculty
U.G.	72%	28%
P.G.	71%	29%
P.G. Diploma	40%	60%

**13. Student -Teacher Ratio (programme wise): U.G.- 22:1, 3:1, P.G.- 3:1, P.G. Diploma- 10:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled-

Post	Sanctioned	Filled
Lab Attendant	01	01( Under statute-28)

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil/PG/UG:

Details as given in point 10 Nil/ Nil/Nil/Two/Seven/One

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 –

Department is not recognized as Research centre, but different activities of the research are going on.

19. Publications:

Name of faculty	Ms. Salma Mohd. Shafi	Ms. Suraiya Bano
Publication per Faculty	03	05
No. of Papers in Pre Reviewed Journal	02	04
No. of Paper listed in International	01	01

- 20 . Areas of consultancy and income generated- Nil

21. Faculty as members in

Name of Faculty	National committees	International Committees
Ms. Salma Mohd. Shafi	Indian Science Congress Association( <i>ISCA</i> )	--
Ms. Suraiya Bano**	Computer Society of India (LifeTime Membership)	Global Society for Health & Educational Growth
	Chhattisgarh Medico Informatics Society	--

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme 100% for PG students. Project work of 6 months mandatory for completion of M.Sc. (CS), BCA and PGDCA.
- 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-****(a) For Student**

Awards/ recognition	2010-11	2011-12	2012-13	2013-14
i) Merit	PG- GM-02	UG-01,PG--03 GM-08	PG-06 GM-02	PG-06 GM-02
ii) Extra Curricular		16	30	14
iii) Sports	--	05	36	20
iv) N.S.S.	07	05	32	--

\*GM- Gold Medal

**(b) For Faculty****\*\*Ms. Suraiya Bano:**

Chhattisgarh State Award (“Sant Gadge Lok Shikshak Award – 2014”) presented by Bhartiya Dalit Sahitya Academy, Chhattisgarh Rajya in the field of “Education” on 25<sup>th</sup> December, 2014 at Dhamtari

**24. List of eminent academicians and scientists / visitors to the department**

S. No.	Name of Eminent Academicians/Visitors	Organization
1.	Mr. S. K. Singh	DCDC, Pt. R.S.S.U. ,Raipur(C.G.)
2.	Mr. Manish Shrivatav	Professor and Head in Computer science & Engineering, Guru Ghasidas Central University, Bilaspur(C.G.)
3.	Mr. H. S. Hota	Asst. Professor in Computer science, Guru Ghasidas Central University, Bilaspur(C.G.)
4.	Mr. Ashish Rastogi	Asst. Professor in Computer science, Guru Ghasidas Central University, Bilaspur(C.G.)
5.	Mr. Sanjay Kumar	Professor and Head, S.O.S. in Computer science, Pt. R.S.S.U. ,Raipur(C.G.)
6.	Mr. Vinod Patale	Sr. Lecturer, Pt. R.S.S.U. ,Raipur(C.G.)
7.	Mr. Kshritiz Shingai	Director of Computer Associates, Bhilai Nagar(C.G.)

**25. Seminars/ Conferences/Workshops organized & the source of funding****a) National**

Name of Event	Source of Funding
Workshop on “IT Security And Ethical Hacking” 10-12 <sup>th</sup> Feb, 2012	U.G.C

**b) International- Nil**

## 26. Student profile programme/course wise:

Session	Name of the Course/ programme (refer no.4)	Applications Received	Selected	Enrolled (All Female)	Pass %
2011-12	B.Sc. Part I(CS)	98	64	73	83.56%
	B.Sc. Part II(CS)	50	50	50	98%
	B.Sc. Part III(CS)	53	53	62	96.32%
	BCA Part I	28	16	13	81.25
	BCA Part II	09	09	07	77.77
	M.Sc.I Sem (CS)	14	12	12	91.67%
	M.Sc.II Sem (CS)	10	10	10	100%
	M.Sc Final Year(CS)	06	06	06	100%
	P.G.D.C.A. I Sem	49	30	30	100%
2012-13	P.G.D.C.A. II Sem	28	28	28	75.71%
	B.Sc. Part I(CS)	132	68	70	91.80%
	B.Sc. Part II(CS)	60	60	61	86.27%
	B.Sc. Part III(CS)	48	48	44	91.66%
	BCA Part I	35	20	11	55%
	BCA Part II	16	16	13	81.25%
	BCA Part III	10	10	09	90%
	M.Sc.I Sem (CS)	21	06	15	93.33%
	M.Sc.II Sem (CS)	15	15	15	100%
	M.Sc III Sem(CS)	10	10	10	100%
	M.Sc IV Sem(CS)	10	10	10	100%
	P.G.D.C.A. I Sem	45	33	31	93%
2013-14	P.G.D.C.A. II Sem	30	30	28	93.33%
	B.Sc. Part I(CS)	142	67	68	80.83%
	B.Sc. Part II(CS)	55	55	59	98.80%
	B.Sc. Part III(CS)	57	57	56	94.64%
	BCA Part I	16	9	5	55.55%
	BCA Part II	08	10	10	100%
	BCA Part III	16	14	07	50%
	M.Sc.I Sem (CS)	19	14	14	71.42%
	M.Sc.II Sem (CS)	14	14	14	7.1%
	M.Sc III Sem(CS)	15	15	15	93.33%
	M.Sc IV Sem(CS)	15	15	15	100%
	P.G.D.C.A. I Sem	78	30	27	90%
2014-15	P.G.D.C.A. II Sem	30	30	28	93.33%
	B.Sc. Part I(CS)	149	60	59	--
	B.Sc. Part II(CS)	55	55	55	--
	B.Sc. Part III(CS)	56	56	55	--
	BCA Part I	30	27	22	--
	BCA Part III	09	09	08	--
	M.Sc.I Sem (CS)	17	09	08	--
	M.Sc.II Sem (CS)	09	09	08	--
	M.Sc III Sem(CS)	13	13	12	--
	M.Sc IV Sem(CS)	12	12	12	---
	P.G.D.C.A. I Sem	51	28	28	--
	P.G.D.C.A. II Sem	28	28	28	--

## 27. Diversity of Students

Name of the Course	2010-2011		2011-12		2012-13		2013-14	
	% of students from the same state	% of students from other	% of students from the same state	% of students from other States	% of students from the same state	% of students from other States	% of students from the same state	% of students from other States
U.G.	98%	2%	99%	1%	99%	1%	99%	1%
P.G.	100%	-	100%	-	100%	100%	99%	1%

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

National & State	2008-09	2010-11	2011-12	2012-13	2013-14
T.E.T.	Nil	Nil	Nil	Nil	01
Patwari Exam	01	Nil	Nil	Nil	Nil

## 29. Student progression

Student progression	Against % enrolled			
	2011-12	2012-13	2013-14	2014-15
UG to PG (Only 15 seats in P.G.)	80	80	90	-
PG to M. Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed (Total)				
• Campus selection	-	1	3	-
• Other than campus recruitment	7	10	2	2
Entrepreneurship/Self-employment	30	35	20	30

## 30. Details of Infrastructural facilities

### a) Library-

- College Library - 1281 Computer's Books

Journals, Magazines - 01

Inflibnet facility available for college Teachers

- Departmental library - 100 books

### b) Internet facilities for Staff & Students- Available in Computer Deptt. And Library

### c) Class rooms with ICT facility - Yes Room No 08 & 15

**d) Laboratories**

Total no. of Labs	03
Theory Room	08
Multimedia Presentation Room	02
Computer Book's CDs	20
Tutorial DVDs	10

**31. Number of students receiving financial assistance from college, university, government or other agencies-**

S.N	Type of Scholarships	2011-12	2012-13	2013-14	2014-15
1	Post Metric/ Minority	NIL	NIL	04	Awaited
2	Sita Ram Jindal	01	04	01	01
3	ST/SC/OBC				
	ST	0	0	0	0
	SC	04	07	11	01
	OBC	23	33	24	07

**32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts**

Session	Seminar/Workshop/Symposium/ Invited Lecturer
<b>2012-2013</b>	National Workshop on "IT Security and Ethical Hacking" on 10-12
	Guest Lecture on "Object Oriented Analysis & Design" by S.M
	Guest Lecture on "Database Management System " by S.M Ghosh on 27-11-2012
<b>2013-2014</b>	Guest Lecture on "Network Security" by Kshritiz Shingai on 14-09-2013
	Guest Lecture on "Red Hat Linux " by Kshritiz Shingai on 14-09-2013
	Seminar on "Cloud Computing" by Ms. R.Radha, Aptech, Bhilai 25.02.2014
	Seminar on "Software Testing" by Raghavendra, Software Tester Cognizant, Chennai on 11.02.2014
	Workshop on "Android" by R.Radha, Aptech, Bhilai on 25.02.2014
	Workshop on "Spoken Tutorial Project" by D.P. Mishra, H.O.D of Computer Science, BIT, Durg on 21 march 2014
	Workshop on C&C++ Under the Spoken Tutorial Project ,Developed at IIT Bombay, funded by NMEICT, MHRD, Govt. of India organized by Ms. Salma Mohd. Shafi, H.O.D. of Computer Science, Bhilai Mahila Mahavidyalaya,Bhilai on 25-07-2014
<b>2014-2015</b>	Seminar on "Career Oriented" held on 14.10.2014 by Kuhu Sharma the CMC Enterprises
	Seminar on "Spoken Tutorial" by Jessie Valusamy By, IIT Bombay held on 30 August 2014

<b>2014-2015</b>	Workshop on C&C++ Under the Spoken Tutorial Project ,Developed at IIT Bombay, funded by NMEICT, MHRD, Govt. of India organized by Ms. Salma Mohd. Shafi, H.O.D. of Computer Science, Bhilai Mahila Mahavidyalaya,Bhilai on 17-11-2014
	Workshop on C&C++ Under the Spoken Tutorial Project ,Developed at IIT Bombay, funded by NMEICT, MHRD, Govt. of India organized by Ms. Salma Mohd. Shafi, H.O.D. of Computer Science, Bhilai Mahila Mahavidyalaya,Bhilai on 20-11-2014
	Workshop on C&C++ Under the Spoken Tutorial Project ,Developed at IIT Bombay, funded by NMEICT, MHRD, Govt. of India organized by Ms. Salma Mohd. Shafi, H.O.D. of Computer Science, Bhilai Mahila Mahavidyalaya,Bhilai

### 33. Teaching methods adopted to improve student learning

- Absolutely project based learning and computer assisted learning in M.Sc. (CS), B.C.A Part III, PGDCA II Sem, B.Com. Part III with CA
- Teaching plan is prepared term wise and submitted to the Department. Effective Tools used for teaching such as Smart boards, Audio visuals aids etc.
- Books given to merits holders and weaker sections form the Library.
- Students are allotted topics, they prepare power point presentation & class seminars are held.
- Special classes are held for slow learners & advanced lectures.
- Experimental Workshops, Seminar and Guest lectures are held for students.
- Internet videos of selected topics are presented.
- Encourage the visit to library, students are also given assignment which they complete using books from library
- Classroom tests taken to evaluate their progress time to time.

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Students participate in environment rallies, NSS camps from time to time.
- Students participate in sports at state level, national & International level also.
- Students participated in co-curricular & extracurricular activities as dance competition, Youth festival.

### 35. SWOC analysis of the department and Future plans-

#### STRENGTH :

- Spoken Tutorial project, IIT Bombay has decided to promote (Computer Science Department) Bhilai Mahila Mahavidyalaya as a super **Resource Center** in view that our

college has full potential to do this project. We will spread the training and awareness in the state. The project is a part of the national mission on education through ICT, MHRD, Govt. of India.

- Innovative Teaching/ Learning
- Use of E-Content Resources.
- Department organize online test, workshop & Seminars
- Highly Practical Oriented Approach
- Department has good no. of Placement record
- Computer Labs for UG,PG classes & Internet facility available.

**WEAKNESS :**

- Lack of modern laboratories
- Separate room is needed for PG classes.
- One Lab technician is required.

**OPPORTUNITY :**

- IT & Public Sector Companies
- Office Management
- Banking/Insurance/Securities sector
- Teaching
- Highly multi disciplinary in nature
- Civil Services.
- Entrepreneurs.

**CHALLENGES :**

- Highly dynamic field
- Gaps occur in University Curriculum and industry requirement
- No. of seats in PG classes can be increased.

**FUTURE PLAN :**

- To make every person IT literate.
- Teachers are planning for getting more projects from different agencies.
- Minor projects will be given to the B.Sc. students.



## EVALUATION REPORT OF THE DEPARTMENT

1. **Name of the Department: ZOOLOGY**
2. **Year of Establishment: U.G.- 1979, P.G.-2000**
3. **Name of programmes /courses offered :** UG: B.Sc. Biology (Aided)  
B.Sc. Biotechnology (Self Financed)  
PG: M.Sc. Zoology (Self Financed)
4. **Name of Interdisciplinary courses Department/units involved: NIL**
5. **Semester/choice based credit system (Program wise)**

Session	Annual system	Semester system
2012-13	B.Sc. I, II, III, Bio & Biotechnology	M.Sc. Zoology
2013-14	B.Sc. I, II, III, Bio & Biotechnology	M.Sc. Zoology
2014-15	B.Sc. I, II, III, Bio & Biotechnology	M.Sc. Zoology

6. **Participation of the Department in the course offered by other Departments:**  
Environmental Studies 2011-12
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 Post Sanctioned :**

Designation	Sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors (Aided)	02	01
Asst. Professors (Statue 28)	02	0 2 (Up to Nov.2012)
Asst. Professors (Regular)	02	01
Ad-hoc Staff	02	02

10. **Faculty Profile with Name Qualification, Designation, Specialization (DSc./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.(Mrs.) Sudha Agrawal	M.Sc.,P.h.D., F.S.L.Sc.	Asst. Prof.	Ph.D.(Reproductive biology), Molecular endocrinology	U.G. (31 YEAR) P.G. (19 YEARS)	1Registered in MATS University, Raipur, 1Reg. in PRSU Rai.

Dr.(Mrs.) Hema Kulkarni (UPTO 2012)	M.Sc.,Ph.D.	Asst. Prof.	Cyto-Genetics, Insect taxonomy, Environment Biology	U.G.- 19 YEARS & P.G. 13 YEARS	NIL
Ms. Mausumi Dey (UPTO 2012)	M.Sc.,M.Phil	Asst.Prof.	Immunology, Biochemistry, Molecular Biology & Fisheries	U.G.- 13 YEARS, P.G.- 13 YEARS	NIL
Mrs. Ruby Alleppa	M.Sc Registered for Ph.D.	Asst. Prof.	Cytogenetics,B iochemistry, Animal Behaviour	U.G. 20 YEARS & P.G. 17 YEARS	NIL
Ms. Renuka Yadav	M.Sc P.G.D.C.A.	Adhoc Lecturer	Endocrinology & Molecular Biology	U.G.- 5 YEARS & P.G.- 5 YEARS	NIL
Dr.(Mrs.) Anupama Shrivastava	M.Sc.,P.h.D	Adhoc Lecturer	Cell Biology	U.G. 5 YEARS & P.G. 5 YEARS	NIL
Ms. Rajni Barle	M.Sc	Adhoc Lecturer	Fishery & Insect Physiology	U.G.- 1 YEARS & P.G. 1 YEARS	NIL
Mrs. Geetanjali Mishra	M.S.c	Adhoc Lecturer	Molecular Endocrinology & Neurobiology	U.G.- 1 YEARS & P.G.- 1 YEARS	NIL

**11. List of senior visiting faculty: NIL**

**12. Percentage of Lectures delivered and Practical Classes Handled (Program wise) by temporary faculty:**

Year	Percentage (%)
2011-12	67% by Ad-hoc Staff
2012-13	67% by Ad-hoc Staff
2013-14	67% by Ad-hoc Staff
2014-15	67% by Ad-hoc Staff

**13 . Student Teacher Ratio (Program Wise)**

Course	Year	Ratio
B.Sc. I Biology	2011-12	8.83 :1
B.Sc.II Biology	2011-12	2.16 :1
B.Sc.III Biology	2011-12	5.16 :1
B.Sc. I Biotechnology	2011-12	3.67 :1
B.Sc. I I Biotechnology	2011-12	2 :1
B.Sc. I II Biotechnology	2011-12	5.17 :1
M.Sc.I& II Semester Zoology	2011-12	1.67 :1
M.Sc. Final Zoology	2011-12	1.67 :1
B.Sc. I Biology	2012-13	11'5 :1
B.Sc.II Biology	2012-13	2 :1
B.Sc.III Biology	2012-13	4 :1

B.Sc. I Biotechnology	2012-13	3.17 :1
B.Sc. I I Biotechnology	2012-13	3.5 :1
B.Sc. I II Biotechnology	2012-13	2 :1
M.Sc.I& II Semester Zoology	2012-13	1.67 :1
M.Sc.III& IVSemester Zoology	2012-13	1.67 :1
B.Sc. I Biology	2014-15	11.5 :1
B.Sc.II Biology	2014-15	6 :1
B.Sc.III Biology	2014-15	2 :1
B.Sc. I Biotechnology	2014-15	3.33 :1
B.Sc. I I Biotechnology	2014-15	3 :1
B.Sc. I II Biotechnology	2014-15	2:1
M.Sc.I& II Semester Zoology	2014-15	1.67 :1
M.Sc.III& IVSemester Zoology	2014-15	1.33 :1

**14. Number of Academic support Staff (Technical) and Administrative Staff: Sanctioned and Filled:**

Name	Sanctioned	Filled	Date of Joining
Mr. Pradeep Verma	2	1	2012

**15. Qualification of Teaching Faculty with D.Sc./D.Litt./Ph.D./M.Phil/P.G.**

D.Sc.	D.Litt	Ph.D.	M.Phil	P.G.
NIL		03	01	02

**16. Number of faculty with ongoing projects from .**

**a) National -2**

S. N.	Name of Faculty	Name of Project	Sanctioning Authority	Amount Sanctioned	Year
1	Dr Sudha Agrawal Co PI-	Study of Parasiticwasp(Chalcidoide of crops in Durg district, Chhattisgarh,	CRO, UGC Bhopal	1.60000	2011
	Dr Sudha Agrawal PI	Studies on Medicinal Plants of Chhattisgarh Region with Antibacterial Antioxidant and Antitumour activities.	CRO, UGC Bhopal	3,55000	2014
2	Dr. Hema Kulkarni PI	Study of Parasiticwasp(Chalcidoide of crops in Durg district,(C.G.)	CRO, UGC Bhopal	1.60000	2011

**b) International funding agencies and grants received-NIL**

**17. Department project funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received- 2 Minor research Project**

**18. Research Centre/facility recognized by the University-** Dr. Sudha Agrawal  
(Registered PhD Guide of Pt.RSU Raipur & MATS University Raipur.)

**19. Publication:**

Name	Publication
Dr.(Mrs.) Sudha Agrawal	National – 2, International- 4
Dr.(Mrs.)Hema Kulkarni	National- 2,International-3
Dr.(Mrs.) Anupama Shrivastava	National -2
Student	NIL

**20. Areas of consultancy and income generated-NIL**

**21. Faculty as members in**

**a) National Committee b) International Committee c) Editorial Board**

Name of Faculty	National Committee	International Committee	Editorial Board
<b>Dr. Sudha Agrawal</b>	1.HonoraryFellowship (F.S.L.Sc.) of Society of Life Sciences. Life member of <b>National Journal of Life Sciences 2011.</b> 2.Life Member of Youth Hostel Association of India.	Member of International Society for Ethnopharmacology, United Kingdom,2012.	National Journal of Life Sciences 2011.

**22. Students Research Projects at our Department :-**

1. Research work on Effect of Azadirachta on Drosophila Culture.2012
2. Research work on Effect of Medicinal Plants on Drosophila Culture 2011.
3. Research work on Effect of Oxalis Corniculata Linn on Albino mice 2010.
4. Research work on Tribal and Urban Adolescent Girls' Malnutrition in Chhatisgarh 2008.
5. Comparative Study of Malnutrition in Different Caste Categories of Adolescent College Girls.
6. The Human Genome Project 2005-06
7. Case Studies on Child Disease Frequency 2004-05
8. Human Disease Frequency 2004-05
9. Project Report on Diseases Blood Pressure Diabetes Cardiac Diseases.2004-05
10. Comparative Prevalance of Thyroidism in Durg & Bhilai. 2004-05
11. High Blood Pressure. 2011-12

**23. A)Awards/ Recognition received by Staff.**

**Dr. Sudha Agarwal**

- a. Member of Board of Studies in Zoology Pt. R.S.U. Raipur 2011-12.
- b. Member of Board of Studies in Biosciences Pt.R.S.U. Raipur 2012
- c. Member of Academic Council of Govt. Digvijay College, Rajnandgaon,2011-12.

**B) Students.**

S. No.	Awards/Recognition(No's)	2010 -11	2011 -12	2012-13	2013-14
1	Merit (P.G. Student)	5 (I,II,III,V,VI)	4(I,IV,V,VII)	3(IV,VII,IX)	Merit List Awaited
2	Extracurricular Activity	NIL	NIL	Debate- III Extempore Speech- I Group Song-I Group Folk Dance- III	NIL
3	Sports	State Level Hand Ball Competition- 2(1 <sup>ST</sup> Prize) Intercllegeate Basket Ball Competition-2(1 <sup>st</sup> Prize) Intercllegeate Table Tanis Competition-1(1 <sup>nst</sup> Prize) Intercllegeate cricket Competition-1(1 <sup>st</sup> Prize) Intercllegeate VolleyBall Competition- 1(2 <sup>nd</sup> Prize) State Level Volley Ball Competition-1(1 <sup>st</sup> Prize) East Zone Volley Ball Competition-1(1 <sup>st</sup> Prize) State Level Table Tanis Competition- 1(1 <sup>st</sup> Prize) Rellay Race Competition-1(1 <sup>st</sup> Prize)	State Level Table Tanis Competition-1 <sup>st</sup> Prize	NIL	Rellay Race Competio n1(1 <sup>st</sup> Prize)
4	N.S.S.	3-(B Certificate)	NIL	NIL	NIL

**24. List of Eminent speakers in Seminars/ Conferences/Workshops organized by the Department.**

S.No.	Speaker	Designation	Topic
1	Dr.SudhaChauhan	Scientist "F" Indian Council of Medical Research, New Delhi.	Medicinal Plants in Hindu Religious Scriptures and Scientific Research.
2	Dr. Anand Kar	Professor in Zoology, Devi Ahilya University, Indore.	Plants Extracts, Thyrotoxicosis and Antioxidant System.

3	Dr. Asmita Wele	Professor, Ayurveda College, Bharti University, Pune.	Traditional and Modern views of standardization and safety of Medicinal Plants with respect to Endocrinology.
4	Dr. Mandar Akkalkotkar	Professor, Ayurveda College, Sangamner, Dist. Ahmednagar (MS)	Androgenic Herbs.
5	Dr. A. K. Gupta	Professor & Head, S.O.S. in Life Sciences., Pt. R.S.U., Raipur	Bioefficacy of Blumealacera and Hyptis suaveolens against filaria vector Culex
6	Dr. M.P. Thakur	Professor & Dean, Development of Plant Pathology, Sant Kabir College of Agriculture & Research Station, Kwardha (C.G.)	Recent Advances in the production Technology & Sustainable uses of Medical Mushrooms of Chhattisgarh.
7	Dr. R.C. Tiwari	Retired Medical Officer Ayurveda, Bastar	Some Medicinal Plants by the Tribals of used of C.G.
8	Dr. Maya Shedpure	Professor & Head, Department of Zoology, Govt. D.B. Girls, P. G. Autonomous College, Raipur, C. G	Regulatory role of Pineal and Melatonin in modulating air-breathing activity rhythm in Catfish.
9	Dr. Mahesh Mathpathi	Scientist, Institute of Ayurveda & Integrated Medicine, Bangalore.	Traditional Medical approach reproductive health.

## 25. Seminar/Conferences/Workshops organized & the source of funding

Name of the Faculty	Seminar		Conferences		Workshop		Others
	N	IN	N	IN	N	IN	NIL
Dr. Sudha Agrawal, Dr. H Kulkarni	1	NIL	1	NIL	NIL	NIL	NIL

## 26. Student Profile programme/course wise: 2011-2012

Name of the Course/ programme (refer question no. 4)	Application received	Selected	Enrolled		Pass Percentage
			*F	*M	
B.Sc.I(BIO)	73	53	53		35.29%
B.Sc.I(BT)	22	22	22		100%
B.Sc.II(BIO)	13	13	13		100%
B.Sc.II(BT)	12	12	12		100%
B.Sc.III(BIO)	31	31	31		100%
B.Sc.III(BT)	32	32	32		100%
M.Sc. Final	10	10	10		90%
M.Sc. I sem	24	10	10		100%
M.Sc. II sem	10	10	10		100%

**2012-2013**

Name of the Course/programme	Application received	Selected	Enrolled *F	Pass percentage
B.Sc.I(BIO)	94	69	69	78.26%
B.Sc.I(BT)	20	20	19	100%
B.Sc.II(BIO)	12	12	12	91.66%
B.Sc.II(BT)	21	21	21	100%
B.Sc.III(BIO)	24	24	24	100%
B.Sc.III(BT)	12	12	12	100%
M.Sc. I sem	34	8	8	100%
M.Sc. II sem	8	8	8	100%
M.Sc.IIIsem	10	10	10	100%
M.Sc.IVsem	10	10	10	100%

**2013-14**

Name of the Course/programme	Application received	Selected	Enrolled *F	Pass percentage
B.Sc.I(BIO)	69	69	69	71.01%
B.Sc.I(BT)	20	20	20	80%
B.Sc.II(BIO)	36	36	36	100%
B.Sc.II(BT)	18	18	18	100%
B.Sc.III(BIO)	12	12	12	100%
B.Sc.III(BT)	18	18	18	94.44%
M.Sc. I sem	21	10	10	100%
M.Sc. II sem	10	10	10	100%
M.Sc.IIIsem	8	8	8	100%
M.Sc. IV sem	8	8	8	100%

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of student from abroad
M.Sc.Zoology	90%	10%	NIL

**28. How many student have cleared national and state competitive examinations such as NET, SLET, GATE, CIVIL Services, Defense Services, ----- 1(SLET PASSED)****29. Student Progression**

Student progression	Against % enrolled
UG to PG	70%
PG to M.Phil.	-
P.G. to Ph.D.	10%
Ph.D. to Post Doctoral Employed	-
Employed	30%
• Campus selection	NIL
• Other than campus recruitment	30%
Entrepreneurship/Self Employment	20%

**30. Details If Infrastructural Facilities 2011-14**

S N	Facilities	Details
1.	Library: Departmental library	4 Journals .1) Journal of Biosciences 2)Journal of Genetics, 3)Resonance 4) Current Science
2.	Internet facilities for staff and students	Present
3.	Classrooms with ICT facility	1 class Room
4.	Laboratories	Equiptments

**31. Number of students receiving financial assistance from college, university, government or other agencies.**

Financial Assistance	2010-11	2011-12	2012-13	2013-14	2014-15
SC/ST/OBC	NIL	ST-NIL, SC-2+10, OBC-4	ST-3 SC-3+1 OBC-12	ST-6 SC-9+4 OBC-15	NIL
Minority	NIL	1	1	1	NIL
Deptt.Of Higher Education C.G. Raipur	NIL	NIL	NIL	NIL	NIL
Education of Seetaram Jindal	NIL	NIL	1	NIL	NIL

**32. Details of Student Enrichment Programs (Special lectures/ Workshops/Seminar)****(A) Special lectures**

Year	Lectures
2010-2011	Dr(Mrs)Madhulika Roy 12/10/2010 Topic : Endocrinal regulation of Carbohydrate metabolism
2010-2011	Dr. A.K.Hundait 26/9/2011 Topic : Sex Differentiation
2011-2012	Dr.S.P.S.Dutta (Professor in life sciences univ. Of jammu )13/10/2011 Topic : Freshwater sponges in lake of jammu
2012-2013	Dr. Maya shedpure(H.O.D.Deptt. of zoology Govt. D.B.P.G.girls collegeRaipur)20/10/2012 Topic : Biological Rhythms
2013-2014	Dr.N.Ghosh (Retd. Professor Govt.V.Y.T.PG. college Durg) 1/9/2013 Topic : Reaction of light on cave dwelling blind fishes.
2012-13	Dr.Hema Kulkarni, H.O.D., Zoology Govt. N. C. J. College Dalli Rajhara District Balod.Topic :Stress Physiology 2013.
2014-15	Dr.Sudha Chauhan(Emeritus Scientist ICMR New Delhi)17/7/2014 Topic : Funding opportunities for Bio medical Research
2014-2015	Dr. Mohan Singh ,Director Research cell Veterinary college ,Anjora (Kamdhenu Univ.)

**(B). Seminar/workshop with External Experts**

S. N	Seminar/Workshop attended by students	Organized by the College/Department
1	State level Hands on Workshop on Instrumentation and Biotechniques	National Conference on Importance of Medicinal Plants in Toxicology and Reproductive Endocrinology--- A Perspective 20-21-1-2012



33. NSS,NCC and Games and sports, Essay competition etc.

**35. SWOC analysis of the department and future plans**

**STRENGTH:**

- Dr.Sudha Agrawal Registered Ph.D Guide in Pt. RSU Raipur.
- Departmental Museum- Glass Mount -332, Plastomount-28, Stuffed Model- 64, Alzarine-68, Plastic Embedded-69 , Models-22, Articulated Bones of Camel,Horse,Monkey, Rabbit,Snake,Fowl, Frog, Charts-41 .
- Departmental laboratories are provided with various instruments, chemicals , glass goods and internet connection is not present in the department .A vast number of reference books related to this subject are present in the college library and Department Library & the books are easily accessible to the students. In addition to these, all the teachers of this department try their best for the student

**WEAKNESS:**

There is an urgent necessity for more full-time teachers. Additional class rooms ,& P.G. laboratory are also required & Research centre are required

**OPPORTUNITY:**

Teachers will be appointed in the near future by the Statue 28 . Some instruments will be purchased by the college also. There will be an emphasis on the regular use of LCD projector.

**CHALLENGES:**

The foremost challenge ahead of this department to perform best with the poor teacher strength and very average quality of students.

**FUTURE PLANS:**

To evolve as a centre of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward.

## EVALUATIVE REPORT OF THE DEPARTMENT

1. **Name of the Department: EDUCATION (B.Ed.)**
2. **Year of Establishment: 2008**
3. **Name of programs /courses offered: UG: B.Ed. (Self Financed)**
4. **Name of Interdisciplinary courses Department/units involved: - Nil**
5. **Annual/Semester/choice based credit system (Program wise) : - Annual system**
6. **Participation of the Department in the course offered by other Departments: - Nil**
7. **Course in collaboration with other universities/industries/foreign institution etc: - Nil**
8. **Details of Course / Programmers discontinued (if any) with reason:- :- 2009-2010.**  
[Vide Letter No.WRC/APW 04300/723108/117<sup>th</sup>/2009/54758 Dated 24/04/2009 and 29/04/2009]
9. **Number of Teaching Post:**

Post	Sanctioned	Filled
Professors	Nil	Nil
Associate Professor	Nil	Nil
Assistant Professor		
1. (Self Financing Under Statue- 28)	7	5
2. Adhoc sanctioned by management (On Students Strength Ratio)	2	2

10. **Faculty Profile with Name Qualification, Designation, Specialization (D.Sc. /D.Litt. /Ph.D./M.Phil):**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last 4 years.
<b>Dr. (Mrs.) Mohana Sushant Pandit</b>	M.A(Geography), B.Ed.,M.Ed.,Ph.D. (Education)	Asst.Prof	Career Guid. & Coun., M.E., E .T., Child Labour	08	Nil
<b>Mrs. Hemlata Sidar</b>	M.A.(Sociology& Hindi) B.Ed., M.Ed.	Asst. Prof	E.V.S., Career Guid. & Coun.,E T.	08	Nil
<b>Mrs. Neetu Sahu</b>	M.Sc.(Phy.), B.Ed., M.Ed.	Asst.Prof	E.T., M.E.	08	Nil
<b>Mrs. K.Bhavana</b>	M.A.(English),B.Ed.,M.Ed.	Asst.Prof	E.T. , M.E.	05	Nil
<b>Mrs. Sunisha Patrick</b>	M.Sc(Comp-Sci.), B.Ed., M.Ed. M.A. (English).	Asst.Prof	Comp-Sci., E.T., Career Guid., Coun.	06	Nil

<b>Mrs. Ekta Verma</b>	M.Sc (Bio-Tech), B.Ed.,M.Ed. M.A.(English)	Lecturer (Adhoc)	E.T,E.V.S	05	Nil
<b>Mrs. Nazneen Baig</b>	M.A.(History), B.Ed., M.Ed., M.Sc.( Maths- Pre.)	Lecture (Adhoc)	E.T., E.V.S, M.E.	03	Nil

**11. List of senior visiting Faculty: - Nil**

**12. Percentage of Lectures delivered and Practical Classes Handled (Program wise) by Temporary faculty: 20% by Ad-hoc Staff**

**13. Student Teacher Ratio (Program Wise) : -**

Course	UG(B.Ed.)
Students-Teacher -Ratio	14:1

**14. Number of Academic support Staff (Technical) and Administrative Staff: Sanctioned and Filled:-**

Post	Sanctioned	Filled
Lab Attendant cum Peon	01	Nil

**15. Qualification of Teaching Faculty with D.Sc./D.Litt./Ph.D./M.Phil/PG:- Details as given in point10)**

D.Sc.	D.Lit.	Ph.D.	M.Phil.	P.G.
Nil	Nil	01	Nil	06

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:-ONE**

**17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR- etc and total grants received projects funded by UGC.**

S.N.	Name of Faculty	Title of Project	Funding Agencies	Grant Received (In lacs)	Year
1	Dr.Mohana Sushant Pandit	A Study of child labour schools of Durg Distt. of Chhattisgarh state with special reference to infrastructure ,students academic achievement and attitude of students and their parents towards school.	UGC	1,45,000	2013-2014

**18. Research centre/facility recognized by the University:—**

Department is not recognized as research centre, but we are having our department Psychology lab and ET lab.

**19. Publication:-**

Name of faculty	National	International
Dr. (Mrs.) Mohana Sushant Pandit	04	02

**20. Areas of consultancy and income generated- Nil****21. Faculty as members in:-**

Name	Editorial Board
Dr. (Mrs.) Mohana Sushant Pandit	Member of Editorial Board Research journal EDUJUNCTION ISSN- 3938-2278

**22. Student projects: - [2 months project] Projects related to teaching of economical deprived students living in slum areas as assigned to B.Ed. students.] (SMARPAN GROUP)****23. Awards / Recognitions received by Faculty and Students:-****(a) Faculty:**

Name of Faculty	Seminars		Conferences		Workshop		Others
	N	I.N	N	I.N	N	I.N.	
Dr.Mohana S. Pandit	12	02	Nil	Nil	Nil	Nil	03
Mrs. Hemlata Sidar	01	Nil	Nil	Nil	Nil	Nil	02
Mrs. Neetu Sahu	03	Nil	Nil	Nil	02	Nil	01
Mrs. K.Bhavana	02	Nil	Nil	Nil	Nil	Nil	Nil
Mrs. Sunisha Patrick	01	Nil	Nil	Nil	Nil	Nil	Nil
Mrs. Ekta Verma	01	Nil	Nil	Nil	Nil	Nil	Nil
Mrs. Nazneen Baig	02	Nil	Nil	Nil	Nil	Nil	Nil

**(B) Students:**

S.N.	Awards/Recognitions(No's)	2010-11	2011-12	2012-13	2013-14	2014-15
1	Merit	Nil	Nil	Nil	Nil	
2.	Extra Curricular activity	Nil	Nil	Nil	Nil	01
3.	Sports	Nil	01	Nil	04	01
4.	NSS	Nil	Nil	Nil	Nil	

**24. List of Eminent academicians and visitors to the departments :**

S. N.	Name of Eminent Academicians/Visitors	Designation
1.	Shri Sharad Kathwate.	( Retired Principal Gondia,Maharashtra)
2.	Mrs.Tanuja Kashyap.	Reader (Electronics Dept) BIT,Durg
3.	Dr. P.K.Shrivastava,Retired .	(Retired H.O.D. (Education), KalyanP.G.College,Bhilai

4.	Mrs.Shanghmitra Tokdar and Mrs.Champa Bhattacharya .	Members of Shri Ram Krishna Mission ,Sector-6
5.	Dr.SumanlataSaxena,Asst.Prof,Education,	Kalyan PG,College, Sector—7,Bhilai.
6.	Dr.Praveen Sharma.	[Neuro,Surgon Chandulal ChanrakarHospital,Nehru-Nagar,Bhilai.
7.	Shri Sharad Kathawate.	Retired, Principal,Gondia(M.S.)
8.	Indrani Ghosh.	Secretary,Shri Aurobindo Society,Bhilai Chapter,Pondichery.
9.	Acharya Mumokushu.	Shanti Kunj,Haridwar
10.	Dr.SumanlataSaxena,Asst.Prof,Education,Kalyan	Kalyan PG,College, Sector—7,Bhilai
11.	Dr. Ajay Govardhan President (IMA)	Indian Medical Association,Durg ,Chhattisgarh
12.	Dr.Archana Chouhan Vice-President (IMA)	Indian Medical Association, Durg ,Chhattisgarh
13.	Dr.Raju BhaiSary	Indian Medical Association, Durg ,Chhattisgarh
14.	Dr. Sangeeta Sinha.	Indian Medical Association, Durg ,Chhattisgarh
15.	Shri. Sudhir Panday.	Anant Vikas santhan ,Bhilai,Durg
16.	Dr. Vibha Singh.	Kalyan PG,College, Sector—7,Bhilai
17.	Dr.Devendra Ratnani.	Private clinic ,Durg

25. Seminars/ Conferences/Workshops organized & the source of funding: Nil

26. Student profile Programmed / Course Wise:-

Name of the Course(B.Ed.) /Year wise	Application Received	Round	Allotted	Admitted	Enrolled	Appeared	Pass %
2011-2012	State Council of Education Research and Training(SCERT)	1	100	86	100	98	98%
		2	10	08			
		3	06	05			
		Face to Face	01	01			
		Total		100			
2012-2013	State Council of Education Research and Training(SCERT)	1	91	82	99	97	100%
		2	18	15			
		3	06	02			
		Total		99			
2013-2014	State Council of Education Research and Training(SCERT)	1	77	58	96	93	100%
		2	42	30			
		3	14	8			
		Total		96			
2014-2015	State Council of Education Research and Training(SCERT)	1	93	67	100		Session in Progress.
		2	32	16			
		3	17	07			
		Waiting 1	10	01			
		Waiting 2	09	03			
		Waiting 3	336	06			
		Total		100			

**27. Diversity of Students:-**

Year	% of students from the same state	% of students from other States	% of students From abroad
2011-2012	80	20	Nil
2012-2013	79	20	Nil
2013-2014	76	20	Nil
2014-2015	80	20	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense services, etc.1 % students selected in TET – EXAM 2011-12.****29. Student Progression:-**

STUDENT PROGRESSION	2010-11	2011-12	2012-13	2013-14
(B.Ed) to PG	5%	6%	6%	11%
B.Ed to M.Phil	-	-	-	-
B.Ed to Ph.D.	3%	-	-	-
Ph.D. to Post-Doctrate	-	-	-	-
Employed				
-Campus Selection	-	2 %	-	1%
-Other Than Campus Recruitment	11%	12%	7%	2%
Enterpreneursip/Self-Employment	1%	1%	1%	2%

**30. Details of Infra structural:-**

- a) **Library:** - \*Main-Library : - Total-Books -5268, Journals and Magazine.  
: - N-List facility available for college Teachers  
\* Departmental Library : - 456 Books, Journals and Magazine.

- b) **Internet facilities for Staff & Students:-**Available in Main library

- c) **Class rooms with ICT facility:** - Yes

- d) **Laboratories:-**

Psychology Lab	Bhatia Battery=Tachistoscope Apparatus-,Mirror-Drawing- Apparatus and Various Psychological Questionnaire
E.T. Lab	One Computer, HP LaserJet Printer, Scanner, Fax, Photocopy, Scan Disk Pen Drive, Social –Science lab Material ,Globe ,Physical and Practical Geography Charts , Language Laboratory materials ,LG CTV ,DVD ,Audio Music system, Laser Pointer, APC-UPS.OHP Screen, Stand, LCD Projector.
Craft/Gardening	All necessary materials/Equipments related to Productive work.

**31. Number of students receiving financial assistance from college, university, Government or other agencies:-**

Financial-Assistance	2010-11	2011-12	2012-13	2013-14	2014-15
1.SC/ST/OBC	02/01/05	Nil/01/02	03/Nil/08	04/04/16	9/8/13
2.Minority	Nil	Nil	Nil	Nil	Nil
3.Dept. Of Higher Education,C.G.,Raipur	Nil	Nil	Nil	Nil	Nil
4.Education (Sita-Ram-Jindal)	Nil	Nil	Nil	Nil	Nil

**32. Details on student enrichment programmes (special lectures / workshops /seminar with external experts.**

**(a) Departmental:-All events have been funded by the Department**

- Pidilite Art Workshop by Mrs. Vinita Gupta
- Law Service and Counseling by Lawyers and Judges(Mr. Ashok Lal and Others)
- Career-Guidance by Presented by Azim Prem ji Foundation
- Personality Development by Presented by Shriji Foundation
- Art of Living by Mrs. Neena Mehta
- Sponsored by; Lions Club Pinnacle and Rungta Dental College by Dr. Chandan Matyapal
- Personality Development by Mr. Manish Jain(From JCI Bhilai Steel Lady
- Gayatri Pariwar Shanti Kunj ,Haridwar by Bhartiya Sanskriti Gyan Test.
- Women and their Empowerment (Mental- Health day) by Mrs. Roja Princy HOD-PGCON, BHILAI, Psychatree (Mental Health).
- World Aids Awareness Day by AIDS RALLY
- Human-Rights Day by Mrs. Sanjana Ratre Secretary District-Law service and Judge
- Pidilite Craft and Workshop by Trainers of Pidilite
- Knowledge of women Rights by Navi-Monika Pandey (T.I.),Chawani Police Station, Bhilai

**(b) Students Achievement in Extra -co-curricular activities:-**

Session	Cultural Activities/Competition /Students Activities in Other College/Sports	Place	Topic Programme
2011-2012	1.Debate Competition (Participation by Mrs. Niharika Dani, Miss Pallabi Choudhary) (16/12/2011)	Represented the college at Shri .Rawatpura Sarkar Institute Kumahari, Raipur, (C.G.)	On account of Swami-Vivekananda (Increase in Higher Education Institute is helpful in Quality in Education.
2012-2013	1.Debate Competition	Represented college at	Right to Education is

	(Inter college debate Competition) (Participation by Miss Aamana Shaheen)(15/12/2012)	Kalyan,P.G College,Sector-7	helpful in Universalization of Education.
	2.Poster and Slogan Competition.(05/09/2012)	Inter House Competition.	Equal Rights of Education
<b>2013-2014</b>	1. Essay Competition. (11/11/2013)	Inter House Competition.	Shiksha and Maulana Abul Kalam
	2. Rath Yatra. (06/01/2014)	B.M.M Campus,Bhilai	On account of Birth of Swami- Vivekananda
	3.Poster and Slogan(13/01/2014)	Inter House Competition.	Philosophy of Swami Vivekananda
<b>2013-14</b>	4.Debate Competition (Inter College Debate Competition)(18/01/2014(Mis sRica Funde)	Kalyan,P.G ,College,Sector-7	E-Learning is better than face to face learning
	5.Teacher Idol competition 2014 and Seminar.(31/01/2014)to(2/2/2014)	I-Study,Nehru-Nagar,Bhilai	Subject Presentation (Self- selected Topic)
	6.Net Ball Competition (U.Preeti,Shabnam Bano,Sonal Singh,Shakuntala Beck)	Inter College University level	
<b>2014-15</b>	1.Debate Competition . (Aafreen and Purnima)(06/12/14)	Represented college at Swami Swaroopanand MahaVidyalaya,Hudco,	Swachhata Abhiyan avam Nagrik Chetna
	2. Debate Competition – (Premlata,Sangeeta) (15/12/2014)	Represented college at Kanti Darshan MahaVidyalaya Bhilai.	Necessity of co-curricular activities in Eduation.
	3. Essay competition On Account of Hindi Divas(14/09/2014)	Inter House Competition.	Vartman Paripakh mein Hindi Bhasha ki Dasha.On account of Hindi Day.
	4. Essay and Slogan competition On Account of National Education Day(11/11/2014)	Inter House Competition	Vartman Paripakh mein Shiksha
	5.Table –Tennis-Prachi Patankar	State –Level &National Level	

### 33. Teaching methods adopted to improve student learning

- Teaching is conducted by the B.Ed. Trainees in various schools.
- Students are allotted topics and they prepare power point presentation & present it as class seminar.
- Remedial classes are held for Diagnostic teaching.
- Experimental Workshops ,Seminar and Guest lectures are held for students
- The students are also given assignment which they complete using books from library.
- Monday tests are taken to evaluate their progress time to time.



### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities.**

- All Students of B.Ed. participate in Community Camp yearly and NSS camps,.
- Students participate in co-curricular & extracurricular activities as dance competition, debate competition, rangoli competition etc.
- Visit to Old age homes, Orphanage and school for mentally retarded.
- Awareness programmes related to Social problems AIDS, Dowry Problem, Environmental awareness Programmers.

### **35. SWOC analysis of the department and Future plans:**

#### **STRENGTH :**

- Extensive efforts are made by the faculties for grooming of high moral values, ethics and social responsibilities in the future teachers for the Nation.
- The Students with relatively good score take admission in our college.
- The motivation to the students is ensured by dedicated faculty members with modern teaching methodologies.
- Good infrastructure of the college including clean and quiet environment.
- Provision of extra classes and remedial class
- Provision for conducting seminars using power point presentation and O.H.P
- Informal teacher-student relationship.
- Good interpersonal relationship among faculty members.
- Daily Morning Prayer, Yoga, Meditation.
- Every year we get a good number of sincere students who perform well in university examinations.
- English medium and Hindi medium faculties are available to satisfy the students at all level.
- Microteaching is conducted for all the B.Ed. students for various Skills like Introduction skill, explanation skill, Black-Board skill, Fluency of questions, Reinforcement skills.

#### **WEAKNESS:**

- Lack of access to libraries outside the campus.
- Unavailability of the proper laboratories.
- Lack of campus Placement at departmental level.

#### **OPPORTUNITY:**

- To use the scope provided by college to participate in inter college various academic and sports competition.
- Excessive texts or exams, in interactive and interesting way in seminars and workshop.
- A good number of students are placed in different kind of Govt-siksha karmi and non-Govt jobs.
- Opportunity to do social-work, entrepreneurship work.

#### **CHALLENGES:**

- To evolve as a center of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward.
- To evolve as center of excellence with courses related with education department (M.Ed., D.Ed., M.A.(Education), Ph.D. Center)
- To use the low student-teacher ratio to full effect so that infrastructure is completely and effectively utilized.
- To obtain the allotment of an ISBN/ISSN so that the department may issue its own journal to which contributions by eminent academicians ,researchers and teachers, may be sought.

## EVALUATIVE REPORT OF THE DEPARTMENT

**1. Name of the Department: BIOTECHNOLOGY**

**2. Year of Establishment:**

Courses	Date of Affiliation
B.Sc. I II III Biotechnology	2006, 2007, 2008
M.Sc. Previous & Final Biotechnology	2005, 2007

**3. Name of programs /courses offered:** B.Sc. M.Sc. Biotechnology (Self Financed)

**4. Name of Interdisciplinary courses Department/units involved:**

English, Hindi – Foundation Course, Computer Science, Zoology, EVS.

**5. Annual/Semester/choice based credit system (Program wise)**

Session	Annual system	Semester system
2012-15	B.Sc. I, II, III, Biotechnology	M.Sc. Biotechnology

**6. Participation of the Department in course offered by other Departments:** EVS

**7. Courses in collaboration with other Universities, Industries, Foreign Institutions etc.-** NIL

**8. Detail of Courses/Programs discontinued (if any) with reasons:** B.Sc. Industrial Microbiology, this was awarded as a Vocational Course from UGC New Delhi in 2001 and was continue till 2015.

**9. Number of Teaching Post: Sanctioned**

	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	NIL	NIL
Asst. Professors		
a. Govt. Granted Post	NIL	NIL
b. Self Financing Statute 28	03	02
c. Regular post sanctioned by Management	01	01
d. Ad-hoc sanctioned by Management (On students strength Ratio)	02	02

**10. Faculty Profile with Name Qualification, Designation, Specialization (DSc./D.Litt /Ph.D/M.Phil): SESSION 2014-15**

Name	Qualification	Designation	Specialization	No. of year experience	No. of Ph.D. student guided
Dr. Bhawana Pandey	M.Sc. M.Ed. Ph.D, FSLSc	Assistant Professor	Genetic, Plant Biotechnolgy	24 Year	4
Sabiha Naz	M.Sc. M.Phil.	Assistant Professor	Plant Biotechnology,	4 Year	Nil

Divya Paikara	M.Sc.	Assistant Professor	Medical Biotechnology, Molecular Biology	7 Year	Nil
Bhagyashree Deshpande	M.Sc.	Lecturer	Immunology, Genetics, Molecular Biology	3 Year	Nil
Bhavika Sharma	M.Sc.	Lecturer	Molecular Biology, Genetic Engineering	2 Year	Nil

**11. List of senior visiting faculty : NIL**

**12. Percentage of Lectures delivered and Practical Classes Handled (Program wise) by temporary faculty:**

Year	Program	Percentage (%)
2011-12, 2012-13, 2013-14, 2014-15	B.Sc. & M.Sc. Biotechnology	50% by Ad-hoc Staff

Course	Year	Ratio
B.Sc. Biotechnology	2012-13	10:1
M.Sc. Biotechnology	2012-13	4:1
B.Sc. Biotechnology	2013-14	9:1
M.Sc. Biotechnology	2013-14	4:1
B.Sc. Biotechnology	2014-15	9:1
M.Sc. Biotechnology	2014-15	2:1

**13. Student Teacher Ratio (Program Wise)**

**14. Number of Academic support Staff (Technical) and Administrative Staff:**

	Sanctioned	Filled	Name
Technical Staff	Nil	Nil	
Administrative Staff	Nil	Nil	
Lab Attendant	01	01	Mr. Hemlal Devangan

**15. Qualification of Teaching Faculty with D.Sc./D.Litt./Ph.D./M.Phil/PG**

D.Sc	D.Litt	Ph.D.	M.Phil.	PG
Nil	Nil	01	01	03

**16. No. of Faculty with Completed and Ongoing Projects from**

a) National- 02

b) International funding agencies and grants received: NIL

**17. Departmental Projects funded by DST-FIST, UGC, DBT, ICSSR etc and total grant received**

S N	Name of Faculty	Name of Project	Sanctioning Authority	Amount Sanctioned	Year
1	<b>Dr. Bhawana Pandey</b> PI	1. Impact of Domestic Waste Water of Bhilai Steel Plant Township on Macrophytes Around the flow passage. F. No.-MS-74/202002/11-12/CRO	UGC, CRO, Bhopal <b>Completed</b>	1,25,000/-	2011-2012
	Co- PI	2. Characterization and identification of naturally lignophilic bacterial flora from the agro fields. F. No.-MS 100/202002/11-12/CRO	UGC,CRO, Bhopal <b>Completed</b>	1,50,000/-	2012-2013
	PI	3. A study of Lipase Enzyme Production and its Industrial Application. F. No.-MS-74/202002/XII/13-14/CRO	UGC, CRO, Bhopal	2,40,000/-	2013-2014
	PI	4. Comparative study of reserved and non-reserved pond and its affect on microbial diversity in Durg Bhilai F. No.-1168/CCOST/MRP/2014	CCOST, Raipur.	3,00,000/-	2014
	Co- PI	5.Isolation,Identification and Molecular Characters of Metal Toxic Resistance Microbes Present in Industrial Effluents. F.No.-MS-35/202002/XII/13-14/ CRO	UGC, CRO, Bhopal	3,40,000/-	2013
	Co- PI	7. Study of Endangered Grasses in Durg – Bhilai Region F.No.-MS-19/202002/XII/13-14/ CRO	UGC,CRO, Bhopal	3,10,000/-	2014
	Co- PI	8. Study of Antimicrobial Activity of Some Important Weed Plants used for Health Care by Gond Tribes of Chhattisgarh. F.No.-MS-3/202002/XII/13-14/ CRO	UGC,CRO, Bhopal	3,10,000/-	2014
2	<b>Sabiha Naz</b> PI	1. Characterization and identification of Naturally Lignophilic Bacteria. F No.-MS-100/202002/11-12/CRO)	UGC, CRO, Bhopal <b>Completed</b>	1,50,000/-	2011-2012
	Co- PI	2. Comparative study of reserved and non-reserved pond and its affect on microbial diversity in Durg Bhilai, F. No.-1168/CCOST/MRP/2014	CCOST, Raipur.	3,00,000/-	2014

**18. Research Centre/Faculty recognized by the University:** Recognized as Research Centre by MATS University.

**19. Publications of Faculty Members of Biotechnology Department**

	<b>Dr. Bhawana Pandey</b>	<b>Sabiha Naz</b>	<b>Divya Paikara</b>	<b>Bhagyashree Deshpande</b>	<b>Bhavika Sharma</b>
Publication per Faculty	51	14	3	7	3
No. of Papers in Pre Reviewed Journal	42	-	-	-	-

No. of Paper listed in International Database	45	-	-	-	-
Chapters in Book	-	-	-	-	-
Book with ISBN/ISSN Nos. with detail of publishers	1. ISBN: 81-202-8778-9, Proceedings of National Seminar, 2011, Purbutor Prokashan and Publisher, Nagaon (Asam) 2. ISSN:81-202-8872-6 ,Member in Editorial Board, Proceedings of National Seminar, 2012, Purbutor Prokashan and Publisher, Nagaon (Asam) 3. ISSN: ISSN: 0976-2876 (Print) ISSN: 2250-0138(Online), Indian Journal Scientific Research. June, 2014, Takhatpur, Varanasi.				

**20. Areas of consultancy and income generated – Nil**

**21. Faculty as member in National Committee/International Committee/Editorial Board**

Name of Faculty	National Committee	International Committee	Editorial Board
	Chhattisgarh Vigyan Bharti Sansthan. Raipur	Member of International Journal of Advancement in Biological Sciences.	Member, Editorial Board, The International Journal of Basic and Applied Science Research,
	Life time member of National Journal of Life Science.		Member, Editorial Board, The Indian Journal of Life Science.
	Life time member of Indian Journal of Scientific & Research.		Member, Journal of Basic and Applied Mycology, R.D. University, Jabalpur.
	Life Time Member, Journal of Basic & Applied Mycology, R.D. University, Jabalpur.		
	Indian Journal of Scientific Research		Member, Editorial Board, Indian Journal of Scientific Research
	Indian Journal of Scientific Research		Member, Refry, Indian Journal of Scientific Research
<b>Sabiha Naz</b>	Chhattisgarh Vigyan Bharti Sansthan. Raipur		Proceedings of National Seminar, 2011 ISBN: 81-202-8778-9

**22. Students projects**

**(A) Students Completed Research Projects from other institutes**

S. N	Year	Type of Project	Class	No. of Students	Percentage
1.	11-12	Training Based	M.Sc Biotechnology	10	100%
2.	12-13	Training Based	M.Sc Biotechnology	8	72.2%
3.	13-14	Training Based	M.Sc Biotechnology	12	100%

**(B) Students Completed Research Projects at our Department**

S. N	Name of Students	Session and Duration	Guide	Co-Guide	Institute
1.	Aakanksha Diwedi	2011-12 3 Month	Sabiha Naz	-	Bhilai Mahila Mahavidyala

2.	Preeti Bala Tamrakar	2011-12 3 Month	Sabiha Naz	-	Bhilai Mahila Mahavidyalaya
3.	Payal	2011-12 3 Month	Sabiha Naz	-	Nagpur University, Nagpur
3.	Preeti Chandra	2013-14 3 Month	Dr. Bhawana Pandey	Chitra Bhattacharya	Bilaspur Science College
4.	Aamna Rajgir	2013-14 3 Month	Dr. Bhawana Pandey	Varsha Chandrakar	Bilaspur Science College
5.	Rani Awaanti Devi	2014-15 2 Month	Dr. Bhawana Pandey	Chitra Bhattacharya	Science College Durg
6.	Pooja Choubey	2014-15 2 Month	Dr. Bhawana Pandey	Varsha Chandrakar	Science College Durg

## 23. Awards/Recognition received by faculty and Students

### (A) Faculty:

#### Dr. Bhawana Pandey

- Awarded **“Utkrishat Shikshak Samman”**, 2007 by Dr. Raman Singh Chief Minister Chhattisgarh
- Awarded **“Fellow of the Society of Life Sciences” (F.S.L.Sc.)** for outstanding contribution in the field of Life Science.
- Member of Board of Studies of Biotechnology in 2013-14 by Digvijay Autonomous College, Rajnandgaon.
- Resource Person in National Seminar at Chatrapati Shivaji Institute of Technology Durg, on 22-24 January, 2010, delivered Lecture on **“Nanobiosensors : A Changing Opportunity in the Field of Biology”**.
- Resource Person in National Seminar at Govt. D.T. PG College Utai, CG, delivered lecture on 1-2 February 2012 **“Patenting of Life Forms”**
- Resource Person in National Seminar at Govt. Autonomous PG College Satna, M.P. , delivered lecture on 23-24 March 2013 **“ Petroleum and other hydrocarbons degradation by microbes”**.
- Resource Person in National Seminar at Pt. S.N. Shukla Govt. PG College , Shahdol, M.P. on 18-19 January 2014 on **“ Fossil fuel degradation by microbes”**.
- **Guest Lecture delivered in different institutes**

Name of Staff	Institute	Year	Topic
Dr. Bhawana Pandey	Govt. D.T. PG College Utai	2011	Nucleus: Structure and Function
	Govt. Girls College Durg	2011	Role of Microbes
	Shiva College , Bhilai	2011	Statistical Analysis of Data
	Govt. D.T. PG College Utai	2012	Plasmid as vector
	Shiva College , Bhilai	2012	ANOVA

	Swami Swaroopanand , College	2012	t-Test and Chi square test
	Shiva College , Bhilai	2013	Standard Deviation and error
	Shankaracharya College, Bhilai	2013	Transgenic Plants and Animal
	Sai Mahavidyalaya, Bhilai	2013	Chromosome Structure & Function
	Govt. PG College, Kawardha	2014	Different types of Vectors
	Shiva College , Bhilai	2014	Central Tendencies
	Shiva College , Bhilai	2014	r-DNA Technology
Bhagyashree	Govt. Girls College Durg	2013	DNA Isolation

**(B) Students:**

	2010-11	2011-12	2012-13	2013-14
<b>Merit</b>	04	02		
<b>Extra Curricular Activities</b>	04	03	11	05
<b>Sports</b>	01	01	01	02
<b>NSS Certificate</b>	02	08	04	06

**24. List of Eminent Academician and Scientist/ Visitors to the Department**

SN	Speaker	Designation & Place
1.	Dr. P.S. Bisen	Vice Chancellor & Prof. Dept. of Microbiology, Jiwaji University, Gwalior , M.P.
2.	Dr. T.R.Sahu	Prof. Dept. of Botany, H S Gaur University ,Sagar, M.P.
3.	Dr. A.S.A.R.S. Shashtri	Prof. , Dept. of Microbiology, IGKV, Raipur
4.	Dr. A.K. Pandey	Chairman & Prof, M.P. Private University Regulatory Body Bhopal
5.	Dr. Sanjeeb Nath	Asstt. Prof., Dept of Botany, Assam University, Dhing, Assam
6.	Dr. R.C. Rajak	Prof.&Director, S.G.H.Center, Biotechnology, Jabalpur, M.P.
7.	Dr. M.P. Thakur	IGKV, Raipur, C.G.
8.	Dr. P.K.Singhal	Prof. Dept of Botany,Rani Durgawati University, Jabalpur, M.P.
9.	Mrs. Preeti Bhargava	Scientist, RDVV, Jabalpur, Madhya Pradesh
10.	Dr G.B.K.S.Prasad	Prof. Dept. of Biotechnology, Jiwaji University, Gwalior, M.P.
11.	Dr. Ragini Gothwal	Prof. Dept. of Biotechnology, Barkattulla University, Bhopal
12.	Dr.Veenapani Dubey	Prof., Dept. of Botany, C.M.D. College, Bilaspur.
13.	Dr. D.K. Shrivastava	Prof., Dept. of Micobiology, Govt. PG College, Bilaspur.
14.	Dr. A.K. Shrivastava	Head, Dept. of Botany Govt. D.T.PG College, Utai
15.	Dr. Manjit Singh	Director, Directorate of Mushroom Research, Solan
16.	Dr. G.K Awadhiya	IGKV, Raipur
17.	Dr. M.R. Sinha	Rector, Kolhan University, Ranchi, Jharkhand
18.	Dr. A.K. Shrivastava	H.O.D Dept. of Botany, Govt. D.T. College Utai.
19.	Mrs. Namrata Premji	Director, Mushroom Cultivation Unit, Naya Raipur.
20.	Dr. Jamaluddin	Emeritus Scientist, RDVV, Jabalpur, Madhya Pradesh
21.	Dr. M.P. Thakur	IGKV Raipur
22.	Dr. B.N. Tiwari	GGU, Bilaspur
23.	Dr. B.D. Singh	Prof. Dept. of Botany, BHU, Varanasi, U.P.
24.	Dr. A. Vaishampayan	Dept. of Botany, BHU, Varanasi, U.P.
25.	Dr. M.L. Naik	Dept. of Botany, Pt.RSU, Raipur
26.	Dr. I.N. Mishra	LNMU, Darbhanga, Bihar
27.	Dr. B.N. Tiwari	GGU, Bilaspur
28.	Dr. Ramprakash	Jalgaon, Maharashtra



29.	Dr. V.K. Kanoongo	Govt. Science College, Raipur
30.	Dr. Anil Shrivastava	Govt. Science College, Durg
31.	Dr. Jamaluddin	Emeritus Scientist, RDVV, Jabalpur, Madhya Pradesh
32.	Dr. D.K. Shrivastava	Govt. Science College, Bilaspur
33.	Dr. R.K.S. Tiwari	Agriculture College, Bilaspur,
34.	Dr. A.K. Shrivastava	H.O.D Dept. of Botany, Govt. D.T. College Utai.
35.	Dr. M.P. Thakur	IGKV, Rajnandgaon, C.G.
36.	Dr. Veenapani Dubey	CMD, PG College, Bilaspur, C.G.
37.	Dr. Anil Kumar	H.O.D. Dept. of Biotechnology Govt. V.Y.T.P.G. College, Durg
38.	Dr. M.G.Royman	H.O.D. Dept. of Micobiology, St. Thomas College, Bhilai
39.	Dr. Rachana	H.O.D. Dept. of Micobiology, Shankracharya Mahavidyalaya,
40.	Dr. Soumya Khare	H.O.D. Dept. of Biotechnology,
41.	Dr. Alka Mishra	H.O.D. Dept. of Micobiology, Swaroopanand Mahavidyalaya,
42.	Chetali Mathew	H.O.D. Dept. of Biotechnology, Sai College, Bhilai
43.	Priti Mehta	Asst. Prof. of Microbiology, Govt. V.Y.T.P.G. College, Durg

## 25. Seminars/Conferences/ Workshops Organized and source of Funding

S N	Name of Seminars or Workshops	No of Guest Speakers	No of Participants	Sanctioning Authority	Amount Sanctioned	Date & Year
1.	A National Seminar on Conservation of Economically Important Endangered Plant Species in Chhattisgarh Region. (F. No- SCW-107/202002/11-12/ CRO/2)	12	550	UGC, CRO, Bhopal.	1,50,000/-	25/10/13 - 26/10/13
2.	A National Workshop on Mushroom Cultivation and its post Harvest Management. . (F. No- SCW-108/202002/11-12/CRO/2)	10	120	UGC, CRO, Bhopal.	1,50,000/-	2/11/12 - 5/11/12
3.	A National Seminar on Climate change and its effects on Biodiversity. (F. No- SCW-24/202002/09-10/CRO)	18	400	UGC, CRO, Bhopal.	1,15,000/-	5/2/11 - 6/2/11
4.	A Workshop on Bioinformatics Drug Designing Principle and the way Forward.	5	100	n-Eron Bioventure	Self Financed	5/3/14 -8/3/14
5.	A Workshop on Mushroom Cultivation and Spawn Production.	2	200	Jan Sevak Samiti.	Self Financed	13//2011- 15//2011

## National Seminars / Conferences & Workshops attended by Faculty Members.

Name of Faculty	Seminars		Workshops		Others
	National Seminars	International Seminars	National Workshop	International Workshop	Hands on Trainings
Dr. Bhawana Pandey	47	2	6	-	5
Sabiha Naz	21	2	7	-	3
Divya Paikara	5	1	3	-	3
Bhagyashree Deshpande	18	1	4	-	3
Bhavika Sharma	7	-	4	-	5

## 26. Student Profile program/course wise:

### Session 2011-12

Name of the Course/Programme	Applications Received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.Sc. I Year	28	22		22	70.60%
B.Sc. II Year	13	13		13	67.60%
B.Sc. III Year	30+2	30+2		32	77.40%
M.Sc. I Sem.	18	10		10	72%
M.Sc. III Sem.	10	10		10	75.3%
M.Sc. Final (Annual)	13	12+1		13	72%

### Session 2012-13

Name of the Course/Programme	Applications Received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.Sc. I Year	37	19		19	67.60%
B.Sc. II Year	19	19		19	69.10%
B.Sc. III Year	15	12+1		12	65.80%
M.Sc. II Sem.	14	11		11	85%
M.Sc. I VSem.	11	11		11	81%
M.Sc. Final (Annual)	11	11		11	73.30%

### Session 2013-14

Name of the Course/Programme	Applications Received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.Sc. I Year	39	21		21	75.30%
B.Sc. II Year	18	18		18	75.30%
B.Sc. III Year	18	18		18	67%
M.Sc. I Sem.	14	12		12	72.50%
M.Sc. II Sem.	12	12		11	71%
M.Sc. III Sem	11	11		11	80%
M.Sc. IV Sem	11	11		11	71.80%

### Session 2014-15

Name of the Course/Programme	Applications Received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.Sc. I Year	35	21		21	
B.Sc. II Year	18	18		18	
B.Sc. III Year	18	18		18	
M.Sc. I Sem.	11	5		5	
M.Sc. III Sem	11	11		11	

## 27. Diversity of Students

Name of Courses	% of Students from the same state	% of Students from other state	% of Students from Abroad
B.Sc. Biotechnology	95%	5%	Nil
M.Sc. Biotechnology	90%	10%	Nil

**28. How many Students have cleared National and State competitive examination such as NET, SLET, GATE, Civil Services, Defense Services etc.**

NET- 01

Civil Services-01

GATE- 01

**29. Student Progression**

Session	UG to PG	PG to M.Phil.	PG to Ph.D.	Employed •Service
<b>2011-12</b>	99%	2%	1%	16%
<b>2012-13</b>	99%	-	1%	18%
<b>2013-14</b>	85%	-	3%	15%
<b>2014-15</b>	82%	4%	2%	35%

**Students of Biotechnology Department Placed after their Study**

SN	Name of Student	Subject	Session	Placement and Post
1	Bhagyashree Deshpandey	Biotechnology	2011-12	Lecturer in Bhilai Mahila Mahavidyalaya
3	Vidya Raju	Biotechnology	2011-12	Teacher ship in S.N.G Vidya Bhavan School, Bhilai
4	Neeta Naik	Biotechnology	2011-12	Teacher ship in BNS, Bhilai
5	Jyotsana Mishra	Biotechnology	2011-12	SRF , IGKV, Raipur
6	Sameeksha Sahu	Biotechnology	2011-12	Lecturer ship in Rungta college, Bhilai
7	Shahnaz	Biotechnology	2011-12	Teacher ship in Khalsa Public School, Durg
8	Raina Bisht	Biotechnology	2011-12	Teacher ship in BNS, Bhilai
9	Poonam	Biotechnology	2011-12	Teacher ship in Shiva Public School, Bhilai
10	Tanushree	Biotechnology	2012-13	Lecturer ship in St. Thomas College, Bhilai
11	Taranpreet Kaur	Biotechnology	2012-13	Lecturer ship in Rungta college, Kurud
12	Jyoti Rai	Biotechnology	2012-13	Store Manager at Vodafone, Pune
13	Shabina Khan	Biotechnology	2012-13	Lecturer ship in Swami Swaroopanand College Hudco
14	Sheetal Devtare	Biotechnology	2013-14	Assistant Professor in Bhilai Mahila Mahavidyalaya
15	Taranpreet Kaur	Biotechnology	2013-14	Food Corporation of India, Durg

**30. Details If Infrastructural Facilities 2011-14**

S N	Facilities	Details
1.	Library: Departmental library	73
2.	Internet facilities for staff and students	2 Computer and 3 Printer
3.	Classrooms with ICT facility	Yes
4.	Laboratories	Microbiology, Plant Tissue Culture, Biochemistry.

### Departmental Library Records 2011-2014

S N	Library Holding	Number of Text Book	Total Cost(Approx.)
1	Text Books	55	30,000/-
2	Reference Books	18	64,489/-
3	Periodicals\ Journals	18	-
4	E-Books	22	-
5	Any Other		
	a. Project Files of U.G Students	40	-
	b. Project Files of P.G Students	53	-
	c. Manuals of Practical	35	-

### 31. Number of students receiving financial assistance from College, University, Govt. or other agencies

SN	Financial assistance	2010-11	2011-12	2012-13	2013-14	2014-15
1	ST/SC/OBC	04	06	18	31	Money is transferred directly to the student by the Govt.
2	Minority	01	01	01	01	
3	Dept. of Higher Education CG Govt.	01	-	02	03	
4	Jindal	-	-	01	-	

### 32. Details of Student Enrichment Programs (Special lectures/ Workshops/Seminar)

#### (A) Special lectures

Year	Lectures
2012-2013	A lecture on "Immunology: Basic Concept" by Dr. Shobha Gawre Principal Rungta College Raipur.
2012-2013	A lecture on "Biostatistics and Biotechnology." By Dr. Pragya Kulkarni, H.O.D. Dept. of Biotechnology, Govt. Science College, Durg.
2013-2014	An interactive talk on "Protein Structure" by Dr. Rizwan Hasan Khan, Dept. of Biotechnology, Aligarh Muslim University, Aligarh.
2013-2014	A lecture on "Role of Anti oxidants" by Dr. Anil Kumar Srivastava, Govt. Science College, Durg.
2014-2015	A lecture on Protein Synthesis by Dr. A.K. Srivastava, H.O.D .Department of Botany, Govt. D. T. College Utai.
2014-15	A Lecture on Aerobiology by Dr. Preeti Tiwari, H.O.D. Department of Microbiology, Rajim

#### B) Seminar/workshop with External Experts

S N	No. of Student	Seminar/Workshop attended by students	Organized by the College/Department
1	60	To find out genetic relationship in sickle cell patient of Kabirdham District	AP.S.G.M.N.S., Govt. P.G. College, Kawardha
2	250	Climate Change & its Effect on Biodiversity	Bhilai Mahila Mahavidyalaya
3	150	Mushroom Cultivation and Spawn Production	Bhilai Mahila Mahavidyalaya organized by Jan Sevak Samiti

4	24	Integrative Genomics	Shri Shankracharya Mahavidyalaya
5	24	Biological Science in current Scenario	ST. Thomas College , Bhilai
6	250	Mushroom Cultivation and its Post Harvest Management	Bhilai Mahila Mahavidyalaya
7	24	Hands on DNA Technologies	Govt. Nagarjun Post Graduate College of Science, Raipur
8	150	Genetically modified crops and food security with special reference to C.G. State.	Bhilai Mahila Mahavidyalaya

### C) Student Enhancement Programs

- Subject Society “PIONEERS ASSOCIATION” was established in the session 2007-2008.
- Society organizes various Departmental activities like intra departmental Poster making competitions, Awareness camps.
- Society also organizes welcome of new students as well as farewell to old students every year.
- Society also celebrates Teacher’s Day; Science Day etc. Society also celebrates festivals like “Shri Ganesh Chaturthi” Vishwakarma Puja with great enthusiasm.
- Society organizes one day industrial visits for UG Students and one week tour for PG Students.

Year	Class	Place of Visit
2012-13	B Sc. I	Gobar Gas Plant, Durg, Chhatagarh
	B Sc. II	Urja Park, Raipur
	B Sc.III	Kedia Distillery Unit, Kedia
	M Sc. III Sem	Lucknow ( CIMAP,NBRI,CDRI, Science City, Biotech Park)
2013-14	B Sc. I	Gobar Gas Plant, Chhatagarh
	B Sc. II	Science city Raipur.
	B Sc.III	Devbhog Industries, Kumhari
	M Sc. III Sem	Hyderabad (CCMB, Zoological Survey, MGNIRSA)
2014-15	B Sc. I	Gobar Gas Plant, Chhatagarh
	B Sc.II	Devbhog Industries, Kumhari
	B Sc.III	Kedia Distillery unit, Kedia

### 33. Teaching method adopted to Student learning

- Use of extensive ICT (power point presentation and videos)
- Surprise tests for all UG and PG students after completion of each unit.
- Motivating students for power point presentations and small lectures.
- Adopting new innovative methods for improving practical skills of PG students

E) Remedial Classes for UG and PG student

Session	No. of Peroids	Name of Teacher
2010-11	25	Dr. Bhawana Pandey, Poonam Dixit, Priyanka Chaturvedi, Sabiha Naz, Divya Paikara, Barnasri Saha,
2011-12	30	Dr. Bhawana Pandey, Poonam Dixit, Sabiha Naz, Divya Paikara, Chitra Bhttacharya, Nidhi khandelwal
2012-13	30	Dr. Bhawana Pandey, Poonam Dixit, Sabiha Naz, Divya Paikara, Chitra Bhttacharya, Varsha Chndrakar, Bhgyashree Deshpande

**34. Participation of Institutional Social Responsibility and extension activities.**

1. Analysis of soil samples.
2. Analysis of water samples.
3. Making general awareness about Hygiene, Environmental Hazards, Different Diseases and Cleanliness.
4. Giving training and making entrepreneurs' by growing Mushrooms at home.

**35. SWOC analysis of the department and future plans**

**STRENGTH:**

- Well equipped lab with requisite instruments.
- Many Text Books, Reference Books, e-books, of Biotechnology, Biochemistry, Genetics, Environmental studies, Cell & Molecular Biology. Plant Physiology and Plant Tissue Culture etc.
- Use of ICT for better understanding.
- Appreciable number of student strength.
- Special emphasis of teaching is in the areas of Molecular Microbiology, Immunology and Enzyme Technology.

**WEAKNESS:**

- Lack of stability of faculty member.
- Lack of research center for Ph.D. student.

**OPPORTUNITY:**

- Collaboration with private, semiprivate and public enterprises.
- Development of in house research programs.
- Biotechnologists do have great opportunities and pharmaceutical industries, seed lab, bioinformatics, genomics, proteomics and molecular laboratory.

**CHALLENGES:**

- Admission promotion in view of rising competition.
- Generating awareness among student for the Biotechnology subject to create interest in career and research in the field of Biotechnology.
- Establishment of advanced plant tissue culture lab.
- Bridging the weakness of the department.
- Improvement of lab facilities and ICT use.
- To evolve as a center of excellence with academic flexibility.

**FUTURE PLANS:**

- Developing the department as an excellent center of biotechnology in the state.
- To develop skill development courses like Bioinformatics and mushroom production.
- To develop best practices through the different training programs of the student.
- Give main emphasis along with the regular courses on research productivity like Mushroom Production, Enzymology and Bioinformatics

## EVALUATIVE REPORT OF THE DEPARTMENT

1. **Name of the department: COMMERCE**

2. **Year of Establishment:**

Courses	Year of Affiliation
B.Com. (Plain) I , II , III	1996 , 1997 , 1998
B.Com. with Computer Applications I, II, III	2001 , 2002 , 2003
M.Com. I, II	2001 , 2002

3. **Name of Programmes /Courses offered:** U.G.-B.Com.,B.Com. with Comp. App.  
P.G.- M.Com.

4. **Names of interdisciplinary courses and the department/unit involved:** B.C.A.

5. **Annual/Semester/choice based credit system (programme wise):** Annual

B.Com Pass course	- Annual
B.Com with computer Applications	- Annual
M.Com	- Semester System (w.e.f. 2012-13)

6. **Participation of the department in the courses offered by other departments:**  
Yes

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Yes

8. **Details of courses/ programmes discontinued (if any) with reasons:** Nil

9. **Number of Teaching Post**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors (i) Govt. Granted Post	Nil	Nil
(ii) Self Financing-Statute-28	04	04
(iii) Regular Post Sanctioned by Management	02	02
(iv) Ad-hoc Sanctioned by Management	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. Bharti Verma	M.Com.,M. Phil.,Ph.D.	Asst. Professor	-	U.G.-19 yrs P.G.-15 yrs	Nil
Dr. Rajshree Sharma	M.Com., Ph.D.	Asst. Professor	-	U.G.-17 yrs P.G.-13 yrs	Nil
Mrs. M. Madhuri Devi	M.Com.,MPhil. M.A.(Eng).,B.E	Asst. Professor		U.G.- 13yrs P.G.- 11yrs	Nil
Dr. Nidhi Monika Sharma	M.Com. Ph.D.	Asst. Professor	-	U.G.-14 yrs P.G.-14 yrs	Nil
Dr. Alpana Sharma	M.Com. B.Ed., Ph.D.	Asst. Professor	-	U.G.-15 yrs P.G.- 14yrs	Nil
Ms. Khalida Begum.	M.Com.	Asst. Professor	-	U.G.-7yrs P.G.-7yrs	Nil
Ms. Khushbu Tiwari	M.Com.	Asst. Professor	-	U.G.- 3yrs P.G.- 3yrs	Nil
Ms. Nisha Mishra	M.Com. PGDCA	Asst. Professor	-	U.G.-2 yrs P.G.- 2yrs	Nil

**11. List of senior visiting faculty: Nil**

**12. Percentage of lecturers delivered and practical classes handled (programme wise) by temporary faculty: Nil**

**13. Student – Teacher Ratio: - UG: 60:1 PG: 8:1**

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil**

**15. Qualifications of teaching faculty wise DSc/ D.litt/Ph.D/M.Phil./PG.:**

D.Sc.	D.litt	Ph.d	M. Phil	P.G.
Nil	Nil	04	02	08

**16. Number of faculty with ongoing projects from a) National b) international funding agencies and grants received: 02**

**17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received (Last five years)**

S. No.	NAME OF PRINCIPAL INVITIGATOR	YEAR	TITLE OF PROJECT	NAME OF AGENCY	GRANT ALLOCATIO N/ RELEASED
1.	Dr. Bharti verma	2009-11	“A brief study of Forest Food & Agro based Industries in Durg District”	U.G.C.	50,000/ 35000 (Completed)
2.	Dr. Bharti verma	2014	“Role of Micro Finance in Women Empowerment in Durg District”	U.G.C.	2,10,000/1,50,000 (On going)
3.	Mrs. M. Madhuri Devi	2014	“Impact of Mobile phone on Students’ Learning in Durg District”	U.G.C.	1,90,000/1,40,000 (On going)

**18. Research centre/facility recognized by the University: Nil**

**19. Publications:**

- \* Publication per faculty
- \* Number of papers published in peer reviewed journals (National/International) by faculty and students

Publications	Dr. Bharti Verma	Dr.Rajshri Sharma	M.Madhuri Devi	Dr.Nidhi Monika sharma	Dr.Alpana Sharma	Khalida Begum
No. of Papers in Peer Reviewed National Journal	Nil	Nil	Nil	Nil	Nil	05
No. of Papers in Peer Reviewed International journal	03	Nil	03	01	01	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/ISSN numbers details of publishers: Nil

- \* Citation Index: Nil
- \* Impact factor: Nil
- \* H-index: Nil

**20. Areas of Consultancy and income generated:** Nil

**21. Faculty as members in**

Name of Faculty	International Committee	National Committee	Editorial Board	University Level
Dr. Bharti Verma	-	-	-	Subject Expert (Nominated by Pt. R.S.S.U. Raipur) Board of studies, Kalyan Autonomous P.G. College, Bhilai.

**22. Student Projects:**

**a) Percentage of students who have done in-house projects including inter departmental/ programme:**

Session	Dissertation/Project	Percentage
2010-11	Dissertation	Nil
2011-12	Dissertation	14.28%
2012-13	Dissertation	Nil
2013-14	Project	100%

**b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/industries/other agencies:** Nil

**23. Awards/Recognitions received by faculty and students:**

**(A) Faculty:** Nil

**(B) Students:**

S.No	Awards/Recognitions	2010-11	2011-12	2012-13	2013-14
i)	Merit	Nil	02	01	Nil
ii)	Extra Curricular Activity	06	08	06	09
iii)	Sports	47	46	24	44
iv)	N.S.S.	01	01	04	08

**24. List of eminent academicians and scientists/visitors to the department**

S.No.	Name of The Speaker	Date
1	Mr. P.K.Tiwari, D.G.M., Internal Audit, B.S.P.	15.1.2013
2	Mr. B.N. Agrawal, D.G.M., Finance, B.S.P.	04.03.2013
3	Dr. Manoj Verghese, Associate Professor, Rugta College of Engineering & Technology, Bhilai.	04.03.2013
4	Mr. Kashyap Patel, Tally Trainee, Bhilai.	21.01.2014

5	Mrs.Navi Monika Pandey, T.I. ,Women Police Station, Durg.	24. 01.2014
6	Mr. Dinkar Traffic Inspector, Bhilai.	24.01.2014
7	Jageshwari, Woman Commando	12.03.2014
8	Kiran, Woman Commando	13.03.2014
9	Savita, Woman Commando	14.03.2014

## 25. Seminars/Conferences/Workshops organized & the source of funding

### a) National

Date	Workshop
2014-15 November 2014	“INNOVATIVE MANAGEMENT PRACTICES” Sponsored by U.G.C.- C.R.O. Bhopal. F.NO. – SCW-100/202002/XII/13-14/CRO.

### b) International: Nil

## 26. Student profile programme/course wise:

Session	Name of the Course/ programme (refer no.4)	Applications Received	Selected	Enrolled (All Female)	Pass Percentage
2010-11	B.Com-1 Plain	190	127	127	67.71%
	B.Com-1 With Computer	73	60	60	80%
	B.Com-2 Plain	122	122	114	53%
	B.Com-2 With Computer Applications	52	52	42	64%
	B .Com-3 Plain	111	111	126	76%
	B .Com-3 with Computer	23	23	23	95%
	M.Com. Previous	39	30	30	93.33%
	M.Com. Final	13	13	13	100%
2011-12	B.Com-1 Plain	180	122	122	74%
	B.Com-1 with Computer Applications	84	57	57	75%
	B.Com-2 Plain	109	109	108	51%
	B.Com-2 with Computer	52	52	45	67%
	B.Com-3 Plain	94	94	92	89%
	B.Com -3 with Computer	43	43	37	95%
	M.Com. Previous	55	30	29	93%
	M.Com. Final	27	27	27	100%
2012-13	B.Com-1 Plain	176	128	127	73%
	B.Com-1 with Computer Applications	80	60	58	79%
	B.Com-2 Plain	108	108	103	88%
	B.Com-2 with Computer	54	54	40	93%
	B.Com-3 Plain	114	114	136	96%
	B.Com-3 with Computer	47	47	05	100%
	M.Com. I & II Semester	47	30	27	93%
	M.Com.(Final)	28	28	28	100%

2013-14	B.Com-1Plain	197	127	123	43%
	B.Com -1with Computer	76	60	55	47%
	B.Com-2 Plain	125	125	114	80%
	B.Com-2 with Computer	42	42	42	78%
	B.Com-3 Plain	128	128	140	84%
	B.Com -3 with Computer	33	33	31	93.5%
	M.Com. I & II Semester	46	30	30	100%
	M.Com. III & IV Semester	25	25	25	100%

## 27. Diversity of students

Name of the course	% of students from the same state	% of students from other states	% of students from abroad
B.Com.	Approx. 99%	Approx. 1%	Nil
M.Com.	Approx. 99%	Approx 1%	Nil

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, Civil services, Defence services, etc.? : Nil

## 29. Student progression

Student progression	Against % enrolled
UG to PG	15%
PG to M.Phil	Nil
PG to Ph.D	Nil
Ph.D to Post-Doctoral	Nil
Employed	
-Campus selection	Nil
-Other than campus recruitment	Nil
Entrepreneurship/Self-employment	Nil

## 30. Details of Infrastructural facilities: Desktop Computer, Visual Projector.

a) **Library:** yes, Departmental Library

No. of Books: 560

b) **Internet facilities for Staff & Students:** Facilities available in Computer Dept & College Library

c) **Class rooms with ICT facility:** One Classroom

d) **Laboratories:** Computer laboratory is used for the Students of B.Com with computer Applications.

**31. Number of students receiving financial assistance from college, university, government or other agencies:**

S.No.	Financial Assistance	2010-11	2011-12	2012-13	2013-14
1.	SC/ST/OBC	17	14	23	27
2.	Minority	01	01	01	01
3.	Department of Higher Education C.G.,Raipur	06	Nil	05	06
4.	Sita Ram Jindal	Nil	Nil	01	Nil

**32. Details on students enrichment programmes (special lectures/ workshops/ seminars) with external experts:**

**Special lectures, Seminars & Workshops:**

Date	Topic	Details Of The Speaker
15.1.2013	Internal Audit	Mr. P.K.Tiwari, D.G.M., Internal Audit, B.S.P.
04.03.2013	Taxation	Mr. B.N. Agrawal, D.G.M., Finance,B.S.P.
04.03.2013	Self Awareness	Dr. Manoj Verghese, Associate Professor, Rugta College of Engineering & Technology,Bhilai.
21.01.2014	Awareness in Tally	Mr. Kashyap Patel, Tally Trainee, Bhilai.
24.01.2014	Self Defense for Women	Mrs.Navi Monika Pandey, T.I. Women Police Station, Durg & Mr. Dinkar Traffic Inspector, Bhilai.
12.03.2014 To 15.03.2014	Self Defense Training Programme (4 Days)	Mr. Dinkar Traffic Inspector, Bhilai. Jageshwari, Kiran, Savita (Woman Commandos)

- **Personality Development Training conducted by Sri Foundation, Bhilai:** A batch of 30 Students of B.Com Final year in session 2013-14 were trained for a period of one month. Certificates have been distributed.

**33. Teaching methods adopted to improve students' learning:**

- 1) Counseling for the improvement of performance:
  - a) Monthly / Terminal / Model Exams.
  - b) Seminars.
  - c) Group Discussion
- 2) Meeting and discussion with the parents/guardians to ensure better academic performance of the students.
- 3) Separate counseling for weaker students through remedial Classes:

### Details of Remedial Classes

Year	No. of Periods
2010-11	Nil
2011-12	17
2012-13	15
2013-14	Nil

**34. Participation in Institutional Social Responsibility (ISR) & Extension activities:** Nil

### **35. SWOC Analysis of the department and Future plans**

#### **STRENGTHS:**

- Continuous good academic record as compared to other colleges in the district;
- Mental and Physical involvement of faculty members towards achievements of desired results;
- Good academic discipline and monitoring systems.
- Efficient faculty with M.Phil. and Ph.D.
- Department with highest student strength.
- Large no. of students pursuing professional courses simultaneously.
- Well placed global alumni.
- Work exposure to student.

#### **WEAKNESSES:**

- Inadequate transport facility for attending classes of faraway students in the early morning.
- Limitation to change the University syllabus.

#### **OPPORTUNITIES:**

- Good training.
- Co-ordinating with alumni with regard to placement.

#### **CHALLENGES:**

- To motivate students to appear for competitive exams of professional courses such as CA, CS, ICWA and banks and insurance competition.
- To encourage students to read national Newspaper, Magazines, Journal etc.
- Placement of students on corporate house.

**FUTURE PLANS :**

- To set up Research center in commerce.
- To apply for UGC sponsored minor & major research projects.
- To have a departmental journal with ISSN NO.
- To organize skill based courses.



## EVALUATIVE REPORT OF THE DEPARTMENT

**1. Name of the Department: Microbiology and Industrial Microbiology**

**2. Year of Establishment:**

Courses	Date of Affiliation
B.Sc. I,II,III	2006,2008,2009
M.Sc. Previous and final Microbiology	2004, 2006
B.Sc. I ,II,III Industrial Microbiology	2001,2002,2004

**3. Name of programs/courses offered: B.Sc.& M.Sc. Microbiology (Self Financed)**

B.Sc.Industrial Microbiology (Vocational Courses)

**4. Name of Interdisciplinary courses:** English, Hindi – Foundation Course, Computer Science, Zoology, Environmental Studies

**5. Annual/Semester/choice based credit system (Program wise)**

Session	Annual system	Semester system
2011-12, 2012-13, 2013-14, 2014-15	B.Sc. I, II, III, Microbiology, Industrial Microbiology	M.Sc. Microbiology

**6. Partition of the Department in course offered by other Dept:** Environmental Studies

**7. Courses in collaboration with other Uni., Industries, Foreign Institutions etc. –NI**

**8. Detail of Courses/Programs discontinued (if any) with reasons:** B.Sc. Industrial Microbiology, this was awarded as a Vocational Course from UGC New Delhi in 2001 and was continue till 2015.

**9. Number of teaching post: Sanctioned**

	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	NIL	NIL
Asst. Professors		
e. Govt. Granted Post	NIL	NIL
f. Self Financing Statute 28	03	NIL
g. Regular post sanctioned by Management	NIL	NIL
h. Ad-hoc sanctioned by Management (On students strength Ratio)	05	05

**10. Faculty profile with name qualification, designation, specialization  
(DSc./D.Litt/Ph.D /M.Phil): SESSION 2014-15**

Name of Faculty	Qualification	Designation	Specialization	No.of year experience	No. of Ph.D student guided
Dr. Bhawana Pandey	M.Sc. M.Ed. Ph.D., F.S.L.Sc.	Assistant Professor	Environmental Biotechnology, Plant Biotechnology	24 Year	4
Chitra Bhattacharya	M.Sc. M.Phil.	Lecturer	Instrumentation, Biostatistics	4 Year	Nil
Varsha Chandrakar	M.Sc. M.Phil.	Lecturer	Environmental Microbiology,	2 Year	Nil
Sheetal Singh	M.Sc.	Lecturer	Biochemistry, Microbial Biotechnology,	2 Year	Nil
Sadhana Gupta	M.Sc.	Lecturer	Environ. Microbiology,	Sep 2014	Nil
Sneha Shriparna Satpathy	M.Sc.	Lecturer	Genetics, Microbial Physiology	Nov 2014	Nil

**11. List of senior visiting faculty : NIL**

**12. Percentage of Lectures delivered and Practical Classes Handled (Program wise) by temporary faculty:**

Year	Program	Percentage (%)
2011-12, 2012-13,2013-14,2014-15	B.Sc. & M.Sc. Microbiology	70% by Ad-hoc Staff

**13. Student Teacher Ratio (Program Wise):**

Course	Year	Ratio
B.Sc. Microbiology	2012-13	13:1
B.Sc. Industrial Microbiology	2012-13	4:1
M.Sc. Microbiology	2012-13	5:1
B.Sc. Microbiology	2013-14	13:1
B.Sc. Industrial Microbiology	2013-14	2:1
M.Sc. Microbiology	2013-14	5:1
B.Sc. Microbiology	2014-15	13:1
B.Sc. Industrial Microbiology	2014-15	1:1
M.Sc. Microbiology	2014-15	4:1

**14. Number of Academic support Staff (Technical) and Administrative Staff:  
Sanctioned and filled**

	Sanctioned	Filled	Name
Technical Staff	Nil	Nil	
Administrative Staff	Nil	Nil	
Lab Attendant	01	01	Mr. Mannulal Verma

**15. Qualification of Teaching Faculty with D.Sc./D.Litt./Ph.D./M.Phil/PG**

D.Sc	D.Litt	Ph.D.	M.Phil.	PG
Nil	Nil	01	02	03

**16 No. of Faculty with Completed and Ongoing Projects from****a) National : 02****b) International funding agencies and grants received: NIL****17. Departmental Projects funded by DST-FIST, UGC, DBT, ICSSR etc and total grant received**

S No	Name of Faculty	Name of Project	Sanctioning Authority	Amount Sanctioned	Year
1	<b>Dr. Bhawana Pandey</b> PI	1. Impact of Domestic Waste Water of Bhilai Steel Plant Township on Macrophytes Around the flow passage. (F No.-MS-74/202002/11-12/CRO)	UGC, CRO, Bhopal	95,000/-	2011-2012
	Co- PI	Characterization and identification of naturally lignophilic bacterial flora from the agro fields. F.No.-MS 100/202002/11-12/CRO	UGC,CRO, Bhopal	1,50,000/-	2012-2013
	PI	2. A study of Lipase Enzyme Production and its Industrial Application. (F No.-MS-74/202002/XII/13-14/CRO)	UGC, CRO, Bhopal	2,40,000/-	2013-2014
	PI	3. Comparative study of reserved and non-reserved pond and its affect on microbial diversity in Durg Bhilai, Twin city, Chhattisgarh. (F No.-1168/CCOST/MRP/2014)	CCOST, Raipur.	3,00,000/-	2014
	Co- PI	4. "Isolation, Identification and Molecular Characterization of Metal Toxic Resistance Microbes Present in Industrial Effluents" F.No.-MS-35/202002/XII/13-14/CRO	UGC, CRO, Bhopal	3,40,000/-	2013-2014

	Co- PI	5. A study of Lipase Enzyme Production and its Industrial Application. (F No.-MS-74/202002/XII/13-14/CRO)	UGC, CRO, Bhopal	3,40,000/-	2013-2014
	Co- PI	6. Study of Endangered Grasses in Durg – Bhilai Region F.No.-MS-19/202002/XII/13-14/CRO	UGC, CRO, Bhopal	3,10,000/-	2013-2014
	Co- PI	7.F.No.-MS-3/202002/XII/13-14/ CRO	UGC, CRO, Bhopal		2013-2014
2	<b>Miss Chitra Bhattacharya</b>	1. A study of Lipase Enzyme Production and its Industrial Application. (F No.-MS-74/202002/XII/13-14/CRO)	UGC, CRO, Bhopal	2,40,000/-	2013-2014

**18. Research Centre/Faculty recognized by the University:** Recognized as Research Centre by MATS University, Raipur

**19. Publications of Faculty Members of Biotechnology Department**

	<b>Dr. Bhawana Pandey</b>	<b>Chitra Bhattacharya</b>	<b>Varsha Chandrakar</b>	<b>Sheetal Singh</b>	<b>Sadhana Gupta</b>	<b>Sneha Shriparna</b>
<b>Publication per Faculty</b>	51	14	9	6	2	1
<b>No. of Papers in Pre</b>	44	1	-	-	-	-
<b>No. of Paper listed in International Database</b>	18	5	1	3	-	-
<b>Chapters in Book</b>	-	-	-	-	-	-
<b>Book with ISBN/ISSN Nos. with detail of publishers</b>	4. ISBN: 81-202-8778-9, Proceedings of National Seminar, 2011, Purbattor Prokashan and Publisher, Nagaon (Asam) 5. ISSN:81-202-8872-6 ,Member in Editorial Board, Proceedings of National Seminar, 2012, Purbattor Prokashan and Publisher, Nagaon (Asam) 6. ISSN: ISSN: 0976-2876 (Print) ISSN: 2250-0138(Online), Indian Journal Scientific Research. June, 2014, Takhatpur, Varanasi.					

**20. Areas of consultancy and income generated – Nil**

## 21. Faculty as member in National Committee/International Committee/Editorial Board

Name of Faculty	National Committee	International Committee	Editorial Board
<b>Dr. Bhawana Pandey</b>	Chhattisgarh Vigyan Bharti Sansthan, Raipur.	Member of International Journal of Advancement in Biological Sciences.	Member, Editorial Board, The International Journal of Basic and Applied Science Research,
	Life time member of National Journal of Life Science.		Member, Editorial Board, The Indian Journal of Life Science.
	Life time member of Indian Journal of Scientific & Research.		Member, Journal of Basic and Applied Mycology, R.D. University, Jabalpur.
	Life Time Member, Journal of Basic and Applied Mycology, R.D. University, Jabalpur.		
	Indian Journal of Scientific Research		Member, Editorial Board, Indian Journal of Scientific Research
	Indian Journal of Scientific Research		Member, Refry, Indian Journal of Scientific Research

## 22. Students projects

### (A) Students Completed Research Projects from other institutes

S.No.	Year	Type of Project	Class	No. of Students	Percentage
1.	2011-12	Training Based	B.Sc III IMB	23	100%
2.	2011-12	Training Based	M.Sc MicroBiology	18	100%
3.	2012-13	Training Based	B.Sc III IMB	8	100%
4.	2012-13	Training Based	M.Sc MicroBiology	2	16.6%
5.	2013-14	Training Based	B.Sc III IMB	9	100%
6.	2013-14	Training Based	M.Sc MicroBiology	-	0%

### (B) Students Completed Research Projects at our Department

S.N	Students Name	Session	Guide	Co-Guide	Institute
1.	Preeti Chandra	2013-14 3 Month	Dr. Bhawana Pandey	Chitra Bhattacharya	Bilaspur Science College
2.	Aamna Rajgir	2013-14 3 Month	Dr. Bhawana Pandey	Varsha Chandrakar	Bilaspur Science College
3.	Rani Awaanti Devi	2014-15 2 Month	Dr. Bhawana Pandey	Chitra Bhattacharya	Science College Durg
4.	Pooja Choubey	2014-15 2 Month	Dr. Bhawana Pandey	Varsha Chandrakar	Science College Durg

## 23. Awards/Recognition received by faculty and Students

### (A) Faculty:

#### Dr. Bhawana Pandey

- Awarded **“Utkrishat Shikshak Samman”**, 2007 by Dr. Raman Singh Chief Minister Chhattisgarh
- Awarded **“Fellow of the Society of Life Sciences” (F.S.L.Sc.)** for outstanding contribution in the field of Life Sciences.
- Member of Board of Studies of Biotechnology in 2013-14 by Digvijay Autonomous College, Rajnandgaon.
- Resource Person in National Seminar at Chatrapati Shivaji Institute of Technology Durg, on 22-24 January, 2010, delivered Lecture on **“Nanobiosensors : A Changing Opportunity in the Field of Biology”**.
- Resource Person in National Seminar at Govt. D.T. PG College Utai, CG, delivered lecture on 1-2 February 2012 **“Patenting of Life Forms”**
- Resource Person in National Seminar at Govt. Autonomous PG College Satna, M.P. , delivered lecture on 23-24 March 2013 **“ Petroleum and other hydrocarbons degradation by microbes”**.
- Resource Person in National Seminar at Pt. S.N. Shukla Govt. PG College , Shahdol, M.P. on 18-19 January 2014 on **“ Fossil fuel degradation by microbes”**.
- **Guest Lecture delivered in different institutes**

Name of Staff	Institute	Year	Topic
Dr. Bhawana Pandey	Govt. D.T. PG College Utai	2011	Nucleus: Structure and Function
	Govt. Girls College Durg	2011	Role of Microbes
	Shiva College , Bhilai	2011	Statistical Analysis of Data
	Govt. D.T. PG College Utai	2012	Plasmid as vector
	Shiva College , Bhilai	2012	ANOVA
	Swami Swaroopanand , College	2012	t-Test and Chi square test
	Shiva College , Bhilai	2013	Standard Deviation and error
	Shankaracharya College, Bhilai	2013	Transgenic Plants and Animal
	Sai Mahavidyalaya, Bhilai	2013	Chromosome Structure & Function
	Govt. PG College, Kawardha	2014	Different types of Vectors
	Shiva College , Bhilai	2014	Central Tendencies
	Shiva College , Bhilai	2014	r-DNA Technology
Chitra Bhattacharya	Govt. Girls College Durg	2011	Centrifugation
	Govt. Girls College Durg	2013	Electrophoresis

**(B) Students:**

	2010-11	2011-12	2012-13	2013-14
<b>Merit</b>	04	02	04	-
<b>Extra Curricular Activities</b>	04	03	11	05
<b>Sports</b>	01	01	01	02
<b>NSS Certificate</b>	06	02	03	05

**24. List of Eminent Academician and Scientist/ Visitors to the Department**

SN	Speaker	Designation & Place
1	Dr. P.S. Bisen	Vice Chancellor & Prof. Dept. of Microbiology, Jiwaji University, Gwalior, M.P.
2	Dr. T.R.Sahu	Prof. Dept. of Botany, H S Gaur University, Sagar, M.P.
3	Dr. A.S.A.R.S. Shashtri	Prof., Dept. of Microbiology, IGKV, Raipur
4	Dr. A.K. Pandey	Chairman & Prof, M.P. Private University Regulatory Body Bhopal
5	Dr. Sanjeeb Nath	Asstt. Prof., Dept of Botany, Assam University, Dhing, Assam
6	Dr. R.C. Rajak	Prof.&Director, S.G.H.Center, Biotechnology, Jabalpur, M.P.
7	Dr. M.P. Thakur	IGKV, Raipur, C.G.
8	Dr. P.K.Singhal	Prof. Dept of Botany, Rani Durgawati University, Jabalpur,
9	Mrs. Preeti Bhargava	Scientist, RDVV, Jabalpur, Madhya Pradesh
10	Dr G.B.K.S.Prasad	Prof. Dept. of Biotechnology, Jiwaji University, Gwalior,
11	Dr. Ragini Gothwal	Prof. Dept. of Biotechnology, Barkattulla University, Bhopal
12	Dr. Veenapani Dubey	Prof., Dept. of Botany, C.M.D. College, Bilaspur.
13	Dr. D.K. Shrivastava	Prof., Dept. of Microbiology, Govt. PG College, Bilaspur.
14	Dr. A.K. Shrivastava	Head, Dept. of Botany Govt. D.T.PG College, Utai
15	Dr. Manjit Singh	Director, Directorate of Mushroom Research, Solan
16	Dr. G.K Awadhiya	IGKV, Raipur
17	Dr. M.R. Sinha	Rector, Kolhan University, Ranchi, Jharkhand
18	Dr. A.K. Shrivastava	H.O.D Dept. of Botany, Govt. D.T. College Utai.
19	Mrs. Namrata Premji	Director, Mushroom Cultivation Unit, Naya Raipur.
20	Dr. Jamaluddin	Emeritus Scientist, RDVV, Jabalpur, Madhya Pradesh
21	Dr. M.P. Thakur	IGKV Raipur
22	Dr. B.N. Tiwari	GGU, Bilaspur
23	Dr. B.D. Singh	Prof. Dept. of Botany, BHU, Varanasi, U.P.
24	Dr. A. Vaishampayan	Dept. of Botany, BHU, Varanasi, U.P.
25	Dr. M.L. Naik	Dept. of Botany, Pt.RSU, Raipur
26	Dr. I.N. Mishra	LNMU, Darbhanga, Bihar
27	Dr. B.N. Tiwari	GGU, Bilaspur
28	Dr. Ramprakash	Jalgaon, Maharashtra
29	Dr. V.K. Kanoongo	Govt. Science College, Raipur
30	Dr. Anil Shrivastava	Govt. Science College, Durg
31	Dr. Jamaluddin	Emeritus Scientist, RDVV, Jabalpur, Madhya Pradesh
32	Dr. D.K. Shrivastava	Govt. Science College, Bilaspur
33	Dr. R.K.S. Tiwari	Agriculture College, Bilaspur,
34	Dr. A.K. Shrivastava	H.O.D Dept. of Botany, Govt. D.T. College Utai.
35	Dr. M.P. Thakur	IGKV, Rajnandgaon, C.G.
36	Dr. Veenapani Dubey	CMD, PG College, Bilaspur, C.G.

37	Dr. Anil Kumar	H.O.D. Dept. of Biotechnology Govt. V.Y.T.P.G. College, Durg
38	Dr. M.G.Royman	H.O.D. Dept. of Micobiology, St. Thomas College, Bhilai
39	Dr.Rachana Choudhary	H.O.D. Dept. of Micobiology, Shankracharya Mahavidyalaya, Bhilai
40	Dr. Soumya Khare	H.O.D. Dept. of Biotechnology, Kalyan Mahavidylaya, Bhilai
41	Dr. Alka Mishra	H.O.D. Dept. of Micobiology, Swaroopanand Mahavidyalaya, Hudco
42	Chetali Mathew	H.O.D. Dept. of Biotechnology, Sai College, Bhilai
43	Priti Mehta	Asst. Prof. of Microbiology, Govt. V.Y.T.P.G. College, Durg

## 25. Seminars/Conferences/ Workshops Organized and source of Funding

S N	Name of Seminars or Workshops	No of Guest Speakers	No of Participants	Sanctioning Authority	Amount Sanctioned	Date & Year
1.	A National Seminar on Conservation of Economically Important Endangered Plant Species in Chhattisgarh Region. (F. No- SCW-107/202002/11-12/ CRO/2)	12	550	UGC, CRO, Bhopal.	1,50,000/-	25/10/13 - 26/10/13
2.	A National Workshop on Mushroom Cultivation and its post Harvest Management. . (F. No- SCW-108/202002/11-12/CRO/2)	10	120	UGC, CRO, Bhopal.	1,50,000/-	2/11/12 - 5/11/12
3..	A National Seminar on Climate change and its effects on Biodiversity. (F. No- SCW -24/202002/09-10/CRO)	18	400	UGC, CRO, Bhopal.	1,15,000/-	5/2/11 - 6/2/11
4.	A Workshop on Bioinformatics Drug Designing Principle and the way Forward.	5	100	n-Eron Bioventure	Self Financed	5/3/14 -8/3/14
5.	A Workshop on Mushroom Cultivation and Spawn Production.	2	200	Jan Sevak Samiti.	Self Financed	13//2011 - 15//2011

## National Seminars / Conferences & Workshops attended by Faculty Members.

Name of Faculty	International Seminars	National Seminars	Workshops	Hands on Trainings
Dr. Bhawana Pandey	2	47	6	4
Ms. Chitra Bhattacharya	-	12	3	3
Mrs. Varsha Chandrakar	-	4	3	2
Mrs. Sheetal Singh	-	6	3	-
Ms. Sadhana Gupta	-	7	1	1
Sneha Shriparna	-	3	2	2



## 26. Student Profile program/course wise:

### Session 2011-12

Name of the Course/Programme	Applications Received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.Sc. I Year MB	32	27		27	62.10%
B.Sc. II Year MB	21	19+2		21	68.30%
B.Sc. III Year MB	21	21		21	63.80%
B.Sc. I Year IMB	21	16		16	
B.Sc. II Year IMB	10	2+8		10	
B.Sc. III Year IMB	27	23+3+1		27	59.10%
M.Sc. I Sem.	17	12		12	75.50%
M.Sc. II Sem.	12	12		12	
M.Sc. Final (Annual)	18	18		18	64.13%

### Session 2012-13

Name of the Course/Programme	Applications Received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.Sc. I Year MB	37	24		24	57.30%
B.Sc. II Year MB	20	19+1		20	68.80%
B.Sc. III Year MB	21	21		21	68.60%
B.Sc. II Year IMB	11	8+2+1		11	65.60%
B.Sc. III Year IMB	10	8+1+1		10	66.20%
M.Sc. I Sem.	16	14		14	70.66%
M.Sc. IISem.	14	14		14	72.80%
M.Sc. IIISem	12	12		12	75.30%

### Session 2013-14

Name of the Course/Programme	Applications Received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.Sc. I Year MB	37	25		25	71.60%
B.Sc. II Year MB	18	18		18	67.30%
B.Sc. III Year MB	21	21		21	63.90%
B.Sc. II Year IMB	3	3		3	
B.Sc. III Year IMB	9	9		9	63.10%
M.Sc. I Sem.	16	12		12	65.10%
M.Sc. II Sem.	12	12		12	66%
M.Sc. IIISem.	14	14		14	76.60%
M.Sc. IVSem.	12	14		14	74.80%

### Session 2014-15

Name of the Course/Programme	Applications Received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.Sc. I Year MB	44	23		23	
B.Sc. II Year MB	20	20		20	
B.Sc. III Year MB	16	16		16	
B.Sc. III Year IMB	3	3		3	
M.Sc. I Sem.	15	7		7	
M.Sc. IIISem.	11	11		11	

**27. Diversity of Students**

Name of Courses	% of Students from the same state	% of Students from other state	% of Students from Abroad
B.Sc. Microbiology	100%	Nil	Nil
M.Sc. Microbiology	90%	10%	Nil

**28. How many Students have cleared National and State competitive examination such as NET, SLET, GATE, Civil Services, Defense Services etc. -Civil Services-01****29. Student Progression**

Session	UG to PG	PG to M.Phil.	PG to Ph.D.	Employed Service
2011-12	99%	5%	1%	15%
2012-13	98%	-	1%	35%
2013-14	95%	-	2%	45%
2014-15	88%	1%	3%	50%

**Students of Microbiology Department Placed after their Study**

S.N	Name	Session	Placement and Post
1	Chitra Bhattacharya	2011-12	Lecturer in Bhilai Mahila Mahavidyalaya
2	Varsha Chandrakar	2011-12	Lecturer in Bhilai Mahila Mahavidyalaya
3	Shikha Bhandari	2011-12	Apolo BSR Hospital Bhilai
4	Jyoti Thakur	2011-12	Forestry Kanker
5	Deepti Deshmukh	2011-12	Govt. Girls College Durg
6	Zahida Parveen	2011-12	School Teacher In DAV, Hudco
7	Manjula Bhendia	2011-12	Principal At Gov. School Raigarh
8	Harjinder Kaur	2011-12	Pharmaceutical Company, Pune
9	Jyoti Swain	2011-12	Coca Cola Company, Pune
10	Pushpa Singh	2011-12	Lecturer ship in Girls College, Delhi
11	Akansha Dwivedi	2011-12	Biofertilizer Factory
12	Rajini Singh	2011-12	School Teacher In Jai Public School Hari Nagar, Bhilai
13	Jyoti Baghel	2012-13	School Teacher In DAV, Durg
14	Sandya Singh	2012-13	School Teacher In DAV Durg
15	Sutpa Ben	2012-13	Teacher in School
16	Shikha Shrivastav	2012-13	Lecturer In Science College Kawardha
17	Roopa Deb	2012-13	Lecturer In Swami Swaroopanand College ,Hudco
18	P.Harsha	2013-14	Microbiologist In BEC Food ,Kuthrel, Durg
19	Kashmita Yadav	2013-14	Microbiologist, Apollo BSR Hospital, Bhilai
20	Jyoti Khare	2013-14	Microbiologist In Apollo BSR Hospital, Bhilai
21	Sadhana Gupta	2013-14	Lecturer In Bhilai MahilaMahavidyalaya.
22	Sonali Sahu	2013-14	Lecturer In Gov. Girls College, Durg

### 30. Details If Infrastructural Facilities 2011-14

S N	Facilities	Details
1.	Library: Departmental library	73
2.	Internet facilities for staff and students	2 Computer and 3 Printer
3.	Classrooms with ICT facility	Yes
4.	Laboratories	Microbiology, Plant Tissue Culture, Biochemistry.

### Departmental Library Records 2011-2014

S N	Library Holding	Number of Text Book	Total Cost (Approx.) in Rs
1	Text Books	55	30,000/-
2	Reference Books	18	64,489-
3	Periodicals\ Journals	18	-
4	E-Books	22	-
5	Any Other	<b>Numbers of Projects</b>	
	a. Project Files of U.G Students	40	-
	b. Project Files of P.G Students	53	-
	c. Manuals of Practical	35	-

### 31. Number of students receiving financial assistance from College, University, Govt. or other agencies

SN	Financial assistance	2010-11	2011-12	2012-13	2013-14	2014-15
1	ST/SC/OBC	04	06	18	31	Money is transferred directly to the student by the Govt.
2	Minority	01	01	01	01	
3	Dept. of Higher Education CG Govt.	02	-	01	01	
4	Jindal	-	-	01	-	

### 32. Details of Student Enrichment Programs (Special lectures/ Workshops/Seminar) (A) Special lectures

Year	Lectures
2012-2013	A lecture on "Immunology: Basic Concept" by Dr. Shobha Gawre Principal Rungta College Raipur.
2012-2013	A lecture on "Biostatistics and Biotechnology." By Dr. Pragya Kulkarni, H.O.D. Dept. of Biotechnology, Govt. Science College, Durg.
2013-2014	An interactive talk on "Protein Structure" by Dr. Rizwan Hasan Khan, Dept. of Biotechnology, Aligarh Muslim University, Aligarh.
2013-2014	A lecture on "Role of Anti oxidants" by Dr. Anil Kumar Srivastava, Govt. Science College, Durg.
2014-2015	A lecture on Protein Synthesis by Dr. A.K. Srivastava, H.O.D. Department of Botany, Govt. D. T. College Utai.
2014-15	A Lecture on Aerobiology by Dr. Preeti Tiwari, H.O.D. Department of Microbiology, Rajim

**(B) Seminar/workshop with External Experts**

S N	No. of Student	Seminar/Workshop attended by students	Organized by the College/Department
1	60	To find out genetic relationship in sickle cell patient of Kabirdham District	AP.S.G.M.N.S., Govt. P.G. College, Kawardha
2	250	Climate Change & its Effect on Biodiversity	Bhilai Mahila Mahavidyalaya
3	150	Mushroom Cultivation and Spawn Production	Bhilai Mahila Mahavidyalaya organized by Jan Sevak Samiti
4	24	Integrative Genomics	Shri Shankracharya Mahavidyalaya
5	24	Biological Science in current Scenario	ST. Thomas College , Bhilai
6	250	Mushroom Cultivation and its Post Harvest Management	Bhilai Mahila Mahavidyalaya
7	24	Hands on DNA Technologies	Govt. Nagarjun Post Graduate College of Science, Raipur
8	150	Genetically modified crops and food security with special reference to C.G. State.	Bhilai Mahila Mahavidyalaya

**C) Student Enhancement Programs**

- Subject Society “PIONEERS ASSOCIATION” was established in the session 2007-2008.
- Society organizes various Departmental activities like intra departmental Poster making competitions, Awareness camps.
- Society also organizes welcome of new students as well as farewell to old students every year.
- Society also celebrates Teacher’s Day; Science Day etc. Society also celebrates festivals like “Shri Ganesh Chaturthi” Vishwakarma Puja with great enthusiasm.
- Society organizes one day industrial visits for UG Students and one week tour for PG Students.

Year	Class	Place of Visit
2012-13	B Sc. I	Gobar Gas Plant, Durg, Chhatargarh
	B Sc. II	Urja Park, Raipur
	B Sc.III	Kedia Distillery Unit, Kedia
	M Sc. III Sem	Lucknow ( CIMAP,NBRI,CDRI, Science City, Biotech Park)
2013-14	B Sc. I	Gobar Gas Plant, Chhatargarh
	B Sc. II	Science city Raipur.
	B Sc.III	Devbhog Industries, Kumhari
	M Sc. III Sem	Hyderabad (CCMB, Zoological Survey, MGNIRSA)
2014-15	B Sc. I	Gobar Gas Plant, Chhatargarh
	B Sc.II	Devbhog Industries, Kumhari
	B Sc.III	Kedia Distillery unit, Kedia

### 33. Teaching method adopted to Student learning

- A) Use of extensive ICT (power point presentation and videos)
- B) Surprise tests for all UG and PG students after completion of each unit.
- C) Motivating students for power point presentations and small lectures.
- D) Adopting new innovative methods for improving practical skills of PG students
- E) Remedial Classes for UG and PG student

Session	No. of Peroids	Name of Teacher
2010-11	25	Dr. Bhawana Pandey, Poonam Dixit, Priyanka Chaturvedi, Sabiha Naz, Divya Paikara, Barnasri Saha,
2011-12	30	Dr. Bhawana Pandey, Poonam Dixit, Sabiha Naz, Divya Paikara, Chitra Bhattacharya, Nidhi khandelwal
2012-13	30	Dr. Bhawana Pandey, Poonam Dixit, Sabiha Naz, Divya Paikara, Chitra Bhattacharya, Varsha Chndrakar, Bhgyashree Deshpande

### 34. Participation of Institutional Social Responsibility and extension activities.

- Analysis of soil samples.
- Analysis of water samples.
- Making general awareness about Hygiene, Environmental Hazards, Different Diseases and Cleanliness.
- Giving training and making entrepreneurs' by growing Mushrooms at home.

### 35. SWOC analysis of the department and future plans

#### STRENGTH:

- Well equipped lab with requisite instruments.
- Many Text Books, Reference Books, e-books, of Biotechnology, Biochemistry, Genetics, Environmental studies, Cell & Molecular Biology. Plant Physiology and Plant Tissue Culture etc.
- Use of ICT for better understanding.
- Appreciable number of student strength.
- Special emphasis of teaching is in the areas of Molecular Microbiology, Immunology and Enzyme Technology.

#### WEAKNESS:

- Lack of stability of faculty member.
- Lack of research center for Ph.D. student.

**OPPORTUNITY:**

- Collaboration with private, semiprivate and public enterprises.
- Development of in house research programs.
- Biotechnologists do have great opportunities and pharmaceutical industries, seed lab, bioinformatics, genomics, proteomics and molecular laboratory.

**CHALLENGES:**

- Admission promotion in view of rising competition.
- Generating awareness among student for the Biotechnology subject to create interest in career and research in the field of Biotechnology.
- Establishment of advanced plant tissue culture lab.
- Bridging the weakness of the department.
- Improvement of lab facilities and ICT use.
- To evolve as a center of excellence with academic flexibility.

**FUTURE PLANS:**

- Developing the department as an excellent center of biotechnology in the state.
- To develop skill development courses like Bioinformatics and mushroom production.
- To develop best practices through the different training programs of the student.
- Give main emphasis along with the regular courses on research productivity like Mushroom Production, Enzymology and Bioinformatics.

## EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of Department – SPORTS
2. Year of Establishment – 1979
3. Name of Subject – Sports & Games
4. Number of Posts in Department – 1

Name	Qualification	Designation	Specialization	No. of Year Experience	No. of PhD Students guided for last 4 year
Mrs.Purnima Lall	M.A, M.P.Ed, PhD (Submitted)	Senior Sports Officer	Nil	34 Year	Nil

Editor	ISBN/ISSN No.	Journal	Publisher
Dr. A.K Khare	0975-282X	LAB TO LAND	Chhattisgarh Medico Informatics Society

### List of Published Journal by Faculty Member

Session	National Seminar	National Conference	Total
2014-2015	-	-	
2013-2014	1	1	2
2012-2013	-	-	-
2011-2012	1	1	2
2010-2011	1	1	2

## EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department - **LIBRARY**

2. Year of Establishment - 1979

3. Name of Programs offered - NIL

4. No. of Teaching Posts - 01 ( Librarian )

5. Librarian Profile :

S.N.	Name	Designation	Qualification	Experience
1.	Mrs. VIPAN CHOPRA	Librarian	M.A. ( English ), B.Lib.Sc. , M.L.I.S.	25 Years

6. Publications - NIL

7. Conferences / Workshops Attended in the last 4 years –

- Faculty Development Programme “ **Teaching & Beyond** ” organized by Institute of Business Studies & Le Magnus School of Management, Raipur on 20<sup>th</sup> July.2010.
- Refresher Course in **Library & Information Science** w.e.f. 3.12.2010 to 23.12.2010 at Dr. Babasaheb Ambedkar University, Aurangabad (M.S.) .
- National Conference on “ **Climate Change & Its Effects on Biodiversity** ” organized by Deptt. of Biotechnology & Microbiology , Bhilai Mahila Mahavidyalaya , Bhilai on 5<sup>th</sup> & 6<sup>th</sup> Feb,2011.
- National Conference on “ **Samajik Vikas Mein Granthalayon ki Bhoomika**” at Govt. J.P. Verma PG Arts & Science College, Bilaspur on 22<sup>nd</sup> & 23<sup>rd</sup> Nov,2012.
- “ **Workshop on E-Learning** ” at Pt. Ravi Shankar Shukla University, Raipur w.e.f. 28.01.2013 to 30.01.2013 .
- National Seminar on “ **Library Initiatives in Digital Era**” organized jointly by Pt. Sundarlal Sharma Library, Pt. Ravi Shankar Shukla University, Raipur & Govt. Nagarjuna PG College of Science, Raipur on 26<sup>th</sup> & 27<sup>th</sup> October,2013 .
- National Science Day Seminar on “ **Fostering Scientific Temper** ” held on 28.02.2014 at Bhilai Mahila Mahavidyalaya, Bhilai.



- UGC & DRDO Sponsored National Seminar on “ **Re-Engineering Academic Libraries**” at Pt. Ravi Shankar Shukla University, Raipur w.e.f. 12.02.2014 to 14.02.2014 .

#### 8. Support Staff in Library Deptt. :

S.N.	Name	Designation	Qualification
1.	Mrs. Tejshri Sahu	Library Asst.	M.Lib.Sc., M.A. (Soc.)
2.	Miss. Rafiya Uzma	Computer Operator	B.C.A., M.A. (Economics)
3.	Miss. Sharda Bhoutey	Library Asst.	M.A. (Hindi), PGDCA , B.Lib.Sc.
4.	Mrs. Parmeshwari Rana	Book Lifter	M.Lib.Sc.
5.	Shri Mukesh Soni	Book Lifter	Class 8 <sup>th</sup>

#### 9. Vision of the Library –

To be recognized as the hub of academic activities where the students, guided by their teacher may strive to realize their true potential and then contribute to the progress of themselves, the nation and humanity at large.

#### Mission of the Library -

- To enable the students to sail smoothly through the vast & complex ocean of information and retrieve the pearls of knowledge and wisdom necessary for their pursuit of career.
- To inculcate in the students the habit of reading which is a pre-requisite for success and progress in life .
- To prepare the students for lifelong learning .

#### Details of Library Facilities

Our Library consists of **28,600** books on various subjects including those being taught here well as career and general subjects.

- We have registered for **N-LIST** Programme of **INFLIBNET** which provides access to more than **97,000** e-books and **6,000** e-journals.
- Library has **267 CD's / DVD's** , **140** Project reports, **232** Bound Journals and **143** Bound Volumes of University Question Papers .
- Bibliography Compilation is done on request
- Reference service is provided on demand.
- Personalized assistance is extended by the library staff to its users.
- Book-Bank facility is also provided to needy students .

- Open access system is followed in the library where the readers can browse books / journals of their interest
- Books are classified according to **DDC** and are arranged accordingly.
- Labels and placards have been put on the almirahs / shelves to guide readers in retrieving materials of their interest.

## **SWOC ANALYSIS**

### **STRENGTHS :**

- Open access system is provided to all the users – students and teachers - to all the materials.
- All the books are classified and displayed in glass-door almirahs.
- The almirahs are labelled in order to guide the users to their materials.
- We are subscribing to N-LIST Programme which is an asset for the institution.

### **WEAKNESS :**

- Since the old (existing) library building is very congested, there is problem in moving around the almirahs.
- Less number of readers come to the library as there is not much space for them to sit and read.

### **OPPORTUNITIES :**

- With the completion of new library building in the near future, the problem of shortage of space shall be overcome .
- With more space, Open Access Resources, N-LIST and Internet facility shall be better utilized.

### **CHALLENGES :**

- To attract more and more users- both teachers and students - to library resources .
- To keep pace with the present information / knowledge environment.
- To furnish readers with the latest information resources to fulfill their information needs.

### **FUTURE PLANS :**

- To convert our library from a traditional one to a hybrid library where both print and digital materials shall be there.
- To provide an environment to the readers where they can satisfy their information needs as well as broaden their mental horizon.



# BHILAI MAHILA MAHAVIDYALAYA

HOSPITAL SECTOR, BHILAI NAGAR (C.G.) 490 009

Affiliated to Pt. Ravishankar Shukla University, Raipur (C.G.)

Recognized Under Section 2(f) and 12(B) of the UGC Act 1956

Ph : 0788-2242699

0788-2210078

Website : www.bmmbhilai.net

No. BMM / 2015/940A

Date : 04/01/2015

## DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in this Self-Study Report(SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions 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.

DR.(Mrs.) ZEHRA HASAN  
PRINCIPAL

Principal-Dr.Zehra Hasan ,Phone No.- Res.- 0788-2241978 , Mob-8085747933  
Email address: bmahila@rediffmail.com



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No. BMM / 2015/940

Date : 04/01/2015

## Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that Bhilai Mahila Mahavidyalaya, Hospital Sector, Bhilai Nagar fulfils all norms.

1. Stipulated by the affiliating University -Pt. Ravi Shankar Shukla University Raipur.
2. The affiliation and recognition is valid as on date.

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.

DR. (Mrs.) ZEHRA HASAN  
PRINCIPAL

Principal-Dr.Zehra Hasan .Phone No.- Res.- 0788-2241978 , Mob-8085747933  
Email address: bmahila@rediffmail.com

**GOVERNING BODY**  
**Bhilai Mahila Mahavidyalaya, Bhilai Nagar ( C.G. )**

S.No.	Name	Occupation	Designation
1	Dr. S. Hiran	Dir.I/c(M&HS)BSP	Managing Trustee, BET & Chairman, BMM
2	Shri Veenu Jain	Chairman, BEC Group	Patron, BET
3	Shri Arvind Jain	M.D., BEC Group	Trustee Member, BET
4	Shri K.Patel	Advisor , NECO	Trustee Member, BET
5	Shri Surendra Gupta	DGM (PPE),BSP	Secretary, BET
6	Dr. B. Subramanayam	Deputy Director	Rep. of Higher Education (C.G.)
7	Dr. Sanjay Tiwari	HOD, SOS in Electronics	University Rep. ( Pt. R.S.U. Raipur )
8	Dr.Shampa Choubey	HOD, History, DBPG College, Raipur	University Rep.
9	Dr. Zehra Hasan	Principal, BMM	Member Secretary
10	Dr. S. M. Mohan	Asst. Prof Home Science	Teacher's Rep.
11	Smt. P. Claudius	Asst. Prof., Physics	Teacher's Rep.

**Other Members of Bhilai Education Trust,**  
**Bhilai Nagar ( C.G. )**

S.No.	Name	Occupation	Designation
1.	Mr. Kuldeep Kumar	Chairman, BEEKAY Group, Bhilai	Patrons, BET
2.	Mr. Mohan Lal Jain	Ex. MP, Durg	Patrons, BET
3.	Mr. Vijay Kumar Gupta	MD, BEEKAY Group,	Trustees Member
4.	Dr. Shailendra Jain	Chairman, PGCON	Trustees Member
5.	Mr. D.M. Jaltare	Rtd. GM, Bhilai Steel Plant	Trustees Member & Chairman, Constr. Com.
6.	Mrs. Madhuri Menon	GM, Bhilai Steel Plant	Trustees Member
7.	Mr. R.K. Thakur	DGM, HRD ACC, Jamul	Trustees Member
8.	Mr. Manish Gupta	MD, BSBK Group, Bhilai	Trustees Member
9.	Mr. Sunil Agrawal	Chairman, LTC, Bhilai	Trustees Member

Registration of the Trust

आयास्य पीया त्री न्याय से सुविभागीय विभागीय ३९ १८०५१३

॥ च ना

१५५३  
 १५५३

श्री गणेशाय नमः १५ शिवरात्रि १९८८  
मेरु

ਭਾਗ ੧ ਵਿਚ ਪੰਨੇ ੧੨

ਪ੍ਰਮਾਣਿ ਏਤ੍ਰਿਯਾ ਕ੍ਰਿਸ਼ਣ

१५॥३॥

निष्कर्ष :- मित्राहं न शृणुयात् न ह्यन्यः कदापि न ।

ॐ नमो भगवते वासुदेवाय ॥ १ ॥

— 3 —

१५ न्यायिक के राम छ प्रकरण क्रमांक ६ का ११३ (२) सन् १९०५  
 के पारित कापेस पिन १२५५ के एपार बापको फक्राई मे स्कोरा  
 ३२४ की बापको कर्षी की एपार मध्यमेत बाप न्याय बयिनिम १२५४  
 के बापको फक्राई के पारि ६।



पंथापन गति व्यास रं  
 (पुनर्जातीय कति गति,  
 ३०)

573 1071 540000      117-21 6140 10000

ॐ नमो भगवते वासुदेवाय

प्रतिज्ञा : - उप फीचर गुंती प्रस्ताव मेरी बाबि है ।

पुणे

M.P. Public Trust

स्थापना करने हेतु सुगति महाप्रयोग लोक  
भारत अधिवासी 1951



Steel Authority of India Ltd.  
Bhilai Steel Plant.

No. TAS-G(3)/78-01/924

Bhilai, dated the 3<sup>rd</sup> Dec., 1981.

To महा लीज संबंधी पत्र

The Managing Trustee (Shri Prakash Bhatia),  
Bhilai Education Trust,  
Room No. 20/1, Ispat Bavan, Bhilai-490 001 (MP).

Sub:- Allotment of land on lease in Hospital Sector,  
Bhilai Township, for educational purpose.

Dear Sir,

On your having agreed to the terms and conditions of 1.  
The Managing Director, Bhilai Steel Plant, is pleased to allot  
14.00 acres of land on lease in the Hospital Sector, Bhilai Town  
for educational purpose, the details of which are given below:

S.No.	Purpose of allotment.	Area allotted.	Period of lease
1.	For construction of Mahila Maha Vidyalaya, bldg.	7.00 acres.	30 years, from 15.9.80
2.	For construction of Hostel bldg.	1.00 acre.	-do-
3.	For construction of Staff Quarters.	1.50 acres.	-do-
4.	Play-ground.	4.50 acres.	5 yrs. with effect from 15-9-80.

The possession of land as mentioned above has already  
been taken over by you from our Town Engg. Deptt. on 15.9.80.

Yours faithfully,  
for Steel Authority of India Ltd.  
Bhilai Steel Plant.

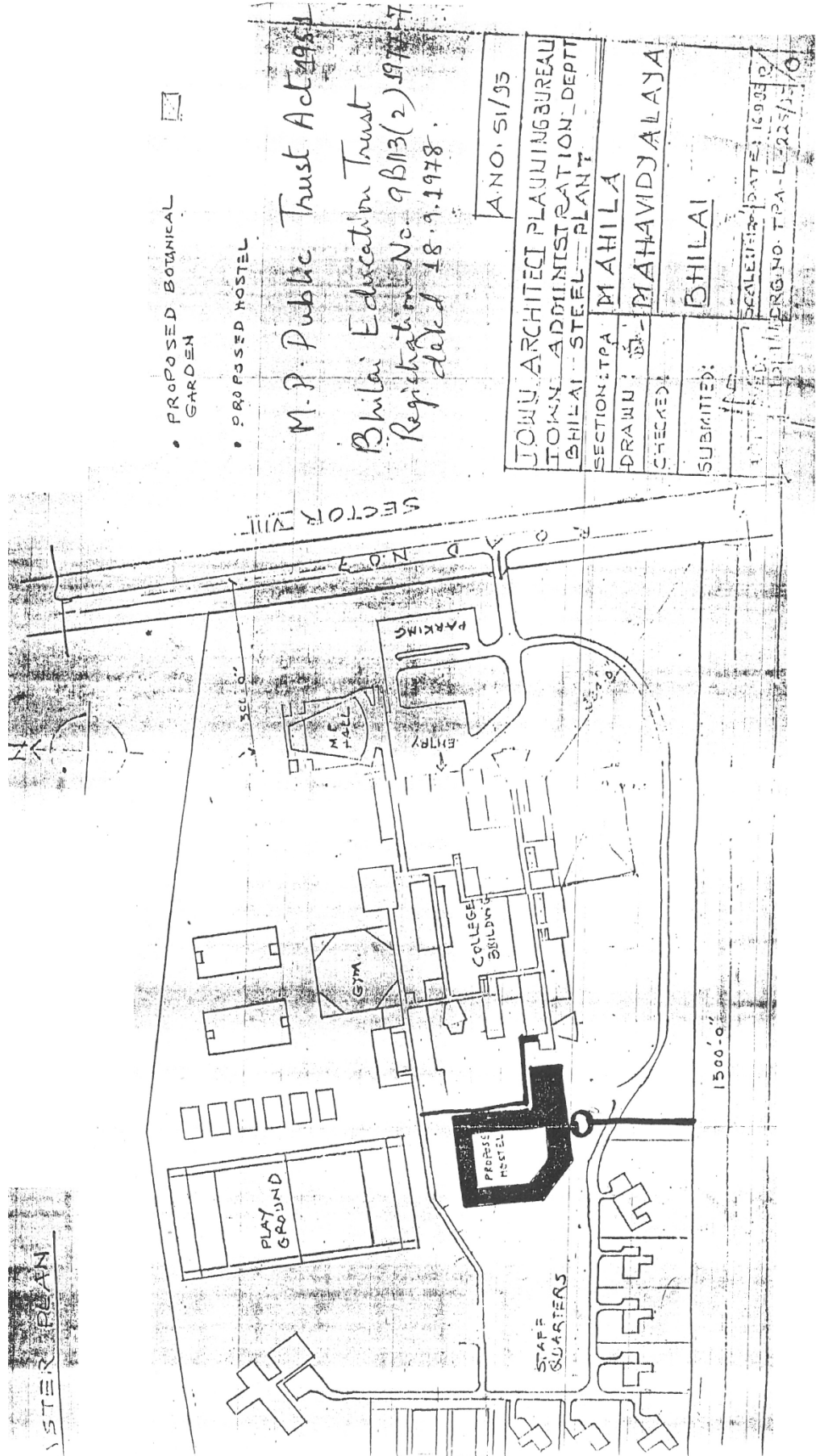
*M.K. Bhattacharya*  
3-12-81

(M.K. Bhattacharya)  
Asstt. Manager (Estate)

Copy to:

- 1) Sr. Arch. Planner (R).
- 2) Zonal Engineer (Civil) (Shri Subbarao), TED.
- 3) Asstt. Manager (Finance-Township).
- 4) Asstt. Manager (Estate-Rent). Annual ground rent and  
service charges may please be charged as per rule  
in force at present.

(M.K. Bhattacharya)  
Asstt. Manager (Estate)





UNIVERSITY GRANTS COMMISSION

BAHADUR SHAH ZAFAR MARG,

NEW DELHI-110002.

195/85(CF-I)

Dated: 2 AUG 1986

9 FEB 1987

The Registrar,  
Ravi Shankar University,  
Raipur (M.P.).

Subj:- List of Colleges prepared under Section 2(f) of the  
UGC Act, 1956 - Inclusion of New Colleges/change in the  
name of the colleges.

Sir,

I am directed to refer to your letter No. 195/CDC/86  
dated 6.5.1986 on the above subject and to say that the  
name of the following college has been included in the above  
list under Non-Govt. colleges teaching upto Bachelor's degree:-

Name of the College	Year of Estt.
Bhilai Mahila Mahavidyalaya, Bhilainagar.	1979

The Indemnity Bond and other documents in respect of  
the above college have been accepted by the Commission.

Yours faithfully,

*(Signature)*  
( P. C. MAJHOTRA )  
UNDER SECRETARY

Copy forwarded to:-

1. The Principal, Bhilai Mahila Mahavidyalaya,  
Bhilainagar.
2. All Officers/Section in the UGC Office.
3. Guard File.

*(Signature)*  
Principal  
Bhilai Mahila Mahavidyalaya  
Bhilai Nagar (C.G.)

*(Signature)*  
( P. K. DUNEJA )  
SECTION OFFICER

3311241, 3311291  
331692, 331895  
3312312, 3312723  
3313701, 3313846

22331692-B-S.L.M.

तार : प्रतिग्राहक टेलेनस : 31-65913  
GRAMS: UNIGRAHITS Telex: 31-65913

विश्वविद्यालय अनुदान आयोग  
बहादुरशाह ज़फर मार्ग  
नई दिल्ली-110 002

All communications should be addressed to the Secretary by designation and not by name

UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

संख्या  
No. F.8-103/85(CPP-I)

1 FEB 1987  
January, 1987

The Principal,  
Bhilai Mahila Mahavidyalaya,  
Bhilainagar-490009. (M.P.)

Sub: Inclusion of colleges in the list of colleges prepared under Section 2(f) and 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to your letter No.86/665 dated 19.6.86 on the above subject and to say that your College is fit for financial assistance under Section 12(B) of the UGC Act, 1956. A copy of our letter of even number dated 2.8.1986 is enclosed herewith for your information.

Yours faithfully,

Yours faithfully,

(G.S. Bawa)

Under Secretary

Encl: as above.

Office  
for N.A.  
20/10/21

Bhilai Mahila Mahavidyalaya  
R... 101.87  
Dt. 10-2-87  
Bhilainagar-M.P.



PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR (C.G.)

21-10-2014

Published on 1/11/2014 and Downloaded on 1/11/2014

NAME OF AFFILIATED COLLEGE AND THEIR CLASS-WISE SUBJECT  
2014-15

For Mrs. C.P. Handa

Our College is Titled as  
S.A.B. (41)

No.	PERMANENT AFFILIATION		NON-PERMANENT AFFILIATION	
	U.G.	P.G.	U.G.	P.G.
1	GOVT. J. YOGANANDAM CHHATTISGARH COLLEGE, RAIPUR, DISTT. - RAIPUR (1937-38) PG [Urban]			
	B.A. Hindi, English, Sanskrit, Music, Philo., History, Economics, Political, Geog., Socio, Psychology, Home Sc. <u>B.Com.</u>	M.A. Philo., Political Sc. Public Administration <u>M.Com.</u>	B.A. AICH, Anthro. B.Sc. - Physics, Chemistry Math's, Botany, Zoology, <u>L.L.B.</u> B.Com. -II, Seat-30 Computer Application	M.A. Hindi, English, AICH, Sociology, Eco., Geog., Math's <u>L.L.M.</u> <u>D.B.M.</u> P.G.D.C.A. Seat-30 M.S.W. Seat-20 [Master of Social Work]
2	GOVT. NAGARJUN P.G., SCIENCE COLLEGE, RAIPUR, DISTT. - RAIPUR (1947-48) PG [URBAN]			
	B.Sc. Hindi, English, Physics, Chemistry, Maths Botany, Zoology, Geo., Defense Study.	M.Sc. Physics, Maths, Chemistry, Botany, Zoology, Geology.	B.Sc. IT B.Sc. Biochemistry (24) B.Sc.-Biotechnology (60) B.Sc. -Computer Sc.(30), Microbiology <u>Add on Course</u> 1. Environmental Impact Assessment (30) 2. Data Care Manage. (30) 3. Clinical Pathology (30) B.C.A.-(Seat-30) D.C.A. -(Seat-30)	M.Sc. Defense Study, <u>Vocational Course</u> - 1. Indu. Microbiology 2. Indu. Chemistry. M.Sc. - Bio-Tech. PGDBM. (for session 2005-06) P.G.D.C.A. - (Seat-30)
3	DURGA COLLEGE, RAIPUR, DISTT. - RAIPUR (1950-51) PG [URBAN]			
	B.A. - Hindi, English, Sanskrit, Economics, Music, Philosophy, History, Political Sc., Geography, Sociology, Psychology, AIHC, Linguistic, Home Science <u>B.Com.</u>	M.A. - Hindi, English, Philosophy, Economics, Political Sc., History, <u>M.Com.</u>	B.A. - Urdu. B.Com. Comp.Appl. with Computer Appl. <u>DCA</u> B.B.A.-L- (Seat 40) B.C.A.- (Seat 30) B.Ed. Session 2010-11 (Seat-100)	M.A. - Geography <u>DBM</u> , <u>Dip in Acct.</u> PGDCA -60 M.Phil - Political Sc.- 10 seats M.Phil - Commerce- 10 seats
4	SKTD LAW COLLEGE, RAIPUR, DISTT. - RAIPUR (1950-51) UG [URBAN]			
	L.L.B.			
5	GOVT. DSV SANSKRIT COLLEGE, RAIPUR, DISTT. - RAIPUR (1954-55) PG [URBAN]			
	B.A. Classics Hindi, English, Sanskrit, Jyotish, History, Economics, Political Science.	M.A. - Sanskrit Classics.		
6	GOVT. EDUCATION COLLEGE, RAIPUR, DISTT. - RAIPUR (1955-56) PG [URBAN]			
	B.Ed.	M.Ed.		
7	GOVT. D.B. GIRLS PG COLLEGE, RAIPUR, DISTT. - RAIPUR (1957-58) PG [URBAN]			
	B.A. - Hindi, English, Sanskrit, Music, History, Economics, Political Sc., Psychology, Geography, Home Science. <u>B.Sc.</u> - Physics, Maths, Chemistry, Botany, Zoology. <u>B.H.Sc.</u>	M.A. - Economics, Political Science.	B.A. - Sociology, B.A. - 25 Seat- Kathak-Nritya <u>B.Com.</u> - All Papers. <u>B.Sc.</u> Home Sc.- Food Sc. & Quality Control. <u>B.P.Ed.</u> (50) <u>Add-On Course</u> (Certificate ) 1.Computer Science-50 2.Medicinal Chemistry-50	M.A. - Hindi, English Sociology, Geography, Psych., History <u>M.Sc.</u> - Chemistry, Botany, Zoology. <u>M.H.Sc</u> - H.M., C.D., Food Nutrition, <u>PGDiploma in Dietetics</u> <u>M.Com.</u> (30)

D:\NAAC\DATA\EXTEN\AFFILIATED\COLL AND YEN

No.	PERMANENT AFFILIATION		NON-PERMANENT AFFILIATION	
	U.G.	P.G.	U.G.	P.G.
			<u>B.A.</u> - Hindi, English, History, Economics, Political Sc., Sociology, Home Science. <u>B.Com.</u> <u>B.Lib.</u> <u>B.P.Ed.</u> <u>B.Com.-II</u> (Add.Subject Computer Appl. - 40)	<u>M.A.</u> - Economics, Political Sc., Sociology <u>M.A.</u> - History <u>M.Lib.Sc.(15)</u> <u>M.Com.</u> PGDCA (30)
37	GOVT. PT. J.L.N. ARTS/COMMERCE COLLEGE, BEMETARA, DIST.- BEMETARA (1965-66) PG [RURAL]			
	<u>B.A.</u> - Hindi, English, History, Economics, Political Sc., Geography, Sociology. <u>B.Sc.</u> - Physics, Chemi., Math's, Botany, Zoology. <u>B.Com.</u>	<u>M.A.</u> - Economics.	<u>B.Sc.</u> -Biotech, . (20-Seat) <u>B.Sc.-I</u> Comp. Sc. (20-Seat)	<u>M.Sc.</u> - Math's, Botany, Chemistry. <u>M.Com.</u> M.A.- Geography
38	GOVT. N.C.J. COLLEGE, DALLIRAJHARA, DIST.-BALOD (1973-74) PG [RURAL]			
	<u>B.A.</u> - Hindi, English, Economics, Political Sc., Home Science, Sociology, <u>B.Com.</u>		<u>B.Sc.</u> - Physics, Chemi., Math's, Botany, Zoology.	<u>M.A.</u> - Sociology. Economics <u>M.Com.</u> <u>M.A.</u> - Hindi- 30 Seat Political Sc.- 30 Seat
39	KALYAN LAW COLLEGE, BHILAI NAGAR, DISTT. DURG (1967-68) UG [URBAN]			
	<u>L.L.B.</u>			
40	G.S. ARYA KANYA COLLEGE, DURG, DISTT. DURG (1977-78) PG [URBAN]			
	<u>B.A.</u> - Hindi, English, Sanskrit, Music, History, Economics, Political Sc., Home Sc., Sociology, Psychology		<u>B.Com.</u> <u>B.Ed.</u> <u>B.Com.I,II,III</u> - Computer Appl.(30)	<u>M.A.</u> - Hindi. <u>M.Ed.</u> (35)
41	BHILAI MAHILA MAHAVIDYALAYA, BHILAINAGAR, DISTT. DURG (1978-79) PG [URBAN]			
	<u>B.Sc.</u> - Hindi, English, Physics, Chemistry, Math's, Botany, Zoology, Computer Sc., <u>B.H.Sc.</u>		<u>B.Com.</u> <u>B.A. I</u> - Hindi Litt., English Litt., Home Sc., Math's, Psychology, Economics. <u>B.Com.</u> - Computer Appl. (Addl. Subject.) <u>B.Sc.</u> - Indu Micro Bio., Biotechnology (30seat), Microbiology (30seat) <u>B.Sc.I</u> -Electronics (30) <u>B.Ed.</u> -(100seat) <u>B.C.A. I</u> - (30seat)	<u>M.Sc.</u> - Chemistry, Zoology , Botany, Math's. Micro Biology(20), Bioscience (12) Physics (10), Com.Sc.(15) <u>M.H.Sc.</u> - Child-Dev., Text & Clothing. <u>M.Com.</u> - Dipl. in Computer Sc. PGDCA <u>M.Sc.</u> -Biotech. (12)
42	GOVT. DR. WAMAN VASUDEV PATANKAR GIRLS COLLEGE, DURG, DISTT. DURG (1981-82) PG [URBAN]			
	<u>B.A.</u> - Hindi, English, Economics, Political Sc., Sociology, Home Sc.		<u>B.A.</u> - Music. <u>B.Sc.</u> - Physics, Chemi., Math's, Botany, Zoology, <u>B.H.Sc.</u> <u>B.Com.</u> <u>B.A.</u> - Chitrakala <u>B.A. I,II</u> - History, Psychology, Bharat Natyam-40 Seats <u>B.Sc.</u> -(Microbio.-30) Vocational Course <u>B.Sc.Home Sc.</u> -(30 Seat) Food Sc. & Quality Control	<u>M.A.</u> - Hindi, Economics, Sociology. Political Sci.- 20 Seats Eng.- 20 Seats Geog.-15 Seats <u>M.Sc.</u> - Physics, Zoology, Maths -20 Seats Chemistry,-10 Seats <u>M.H.Sc.</u> - F. & N. <u>M.Com.</u> -30 Seats
43	GOVT. COLLEGE, BHILAI - 3 (1982-83) PG [RURAL]			
	<u>B.A.</u> - Hindi, English, Economics, Political Sc., Sociology, History, H.Sc. <u>B.Sc.</u> - Physics, Chemi., Maths, Botany, Zoology. <u>B.Com.</u>	<u>M.Com.</u>	<u>B.Com.-I</u> (30 seats ) (13-14) (Computer Application)	<u>P.G.D.C.A.</u> (30 seats ) (13-14) <u>M.Sc.</u> - Math's <u>M.A.</u> - Economics, History, Sociology (30), Political Sc. (20)

Principal  
Bhilai Mahila Mahavidyalaya  
Bhilai Nagar



राष्ट्रीय अध्यापक शिक्षा परिषद्  
(भारत सरकार का एक विधिक संस्थान)  
उच्च शिक्षा विभाग  
देशीय क्षेत्रीय समिति

National Council for Teacher Education  
(A Statutory Body of the Government of India)  
Western Regional Committee

① Recd. on 27/10/09 at 2.30 PM  
② Return ③ To be put up for reference to H.R.  
27/10/09

TO BE PUBLISHED IN THE GAZETTE OF INDIA – PART-III, SECTION-4

No.WRC/5-6/APW04300/723108/Appeal/2009/5042

Date: 23.10.2009

### Recognition Order

WHEREAS in terms of Section 14(1) of the NCTE Act, 1993 WRC, NCTE had granted recognition to **BHILAI MAHILA MAHAVIDYALAYA, HOSPITAL SECTOR BHILAI - 490009 CHATTISGARH** (Code No.- APW04300/723108) vide order No.F.WRC/NCTE/2006-2007/723108/C-25677-25679 DT.07.01.2008.

2. AND WHEREAS in its 117<sup>TH</sup> meeting held on **April 20-21, 2009** the Western Regional Committee after considering the report of the visiting team as well as other relevant materials furnished by the applicant institution decided to refuse recognition u/s 14 of NCTE Act of the institution for **B.Ed.** course and accordingly the refusal order No. WRC/APW04300/723108//117<sup>th</sup>/2009/54757-54763 dated **29.04.2009** was issued to the institution.

3. AND WHEREAS the correspondent, **BHILAI MAHILA MAHAVIDYALAYA, HOSPITAL SECTOR BHILAI-490009 CHATTISGARH**, has preferred an appeal to NCTE New Delhi under section 18 of the NCTE Act, 1993 against the said Order of WRC.

4. AND WHEREAS having considered the oral submission by the representative of the institution, the written representation, the record of the case and V.T. Report, the Appellate Authority decided to reverse the order of NCTE, WRC. Accordingly, the appeal was accepted with direction to WRC to grant recognition to the institution immediately.

5. NOW, THEREFORE, in exercise of the powers vested under Section 14(3) (a) of the NCTE Act, 1993 and as per the NCTE, New Delhi Order No. F.No.89-940/2009-Appeal dated 08/10/2009 the Western Regional Committee hereby restore recognition granted to **BHILAI MAHILA MAHAVIDYALAYA, HOSPITAL SECTOR BHILAI - 490009 CHATTISGARH** vide its order No. F.WRC/NCTE/2006-2007/C-25677 dt 01.1.2008 for one unit of 100 students as per Regulation 7 (11) of the National Council for Teacher Education (Recognition Norms and procedure) Regulations, 2005.

6. The admission of student shall be made only after affiliation by the examining body before the commencement of the academic session and the admission of students shall be completed well before the cut off date prescribed by the examining body of the academic session 2009-2010, failing which the recognition will be effective from the academic session 2009-2010.

7. The recognition/permission will operate for 2009-2010 only if the requirement of 180 teaching days in the session be fulfilled as per calendar of the University/Affiliation Body.

8. The institution shall, within one month of the receipt of recognition order, convert the endowment fund or reserve fund account into a joint account to be operated along with an officer of the Western Regional Committee.

9. The institution shall comply with the various other norms and standards prescribed in the NCTE regulations as amended from time to time.

10. The institution shall make admission only after it obtains affiliation from the examining body in terms clause 8(12) of the NCTE (Recognition Norms & Procedure) Regulations, 2007.

4.10.2009

मानव भवन, श्यामला हिल्स, भोपाल - 462002

Manas Bhawan, Shyamla Hills, Bhopal - 462002

दूरभाष/Phone : 0755 - 2739672, 2660915, 2660379, 2660372, फैक्स/Fax : 0755 - 2660912,

E-mail wrc@ncte-india.org Website : www.nctewrc.co.in

NCTE HQrs. Website : www.ncte-india.org

11. The institution shall ensure that the required number of academic staff for conducting the course is always in position.

12. Further, subject to the provision of NCTE Act 1993, the institution shall fulfill all such other requirements as may be prescribed by other regulatory bodies like UGC, affiliating University/Body, the State Government etc, applicable.

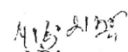
13. The institution shall submit to the Regional Committee a Self-Appraisal Report at the end of each academic year along the statement of annual accounts duly audited by a Chartered Accountant.

14. The institution shall maintain & update its Web-site as per provisions of NCTE Regulations and always following as mandatory disclosure:

- (i) Copy of the Application Form
- (ii) Land and Building Particulars.
- (iii) Staff Profile.
- (iv) Recognition letter.
- (v) Information for having fulfilled the norms & standard and other required conditions.

15. If the institution contravenes any of the above conditions or the provisions of the NCTE Act, Rules, Regulations and Orders made or issued there under, the Regional Committee shall withdraw the recognition as under the provisions of Section 17(1) of the NCTE Act.

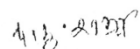
16. Further, if the institution is not satisfied by the order, they can prefer an appeal to National Council for Teacher Education, Hans Bhawan, Wing-II, 1, Bahadur Shah Zafar Marg, Near ITO, New Delhi- 110002 against this order under section 18 of the NCTE Act, 1993 within 60 days of the issue of this order. The guidelines of appeal are enclosed herewith.

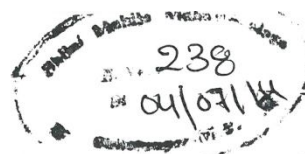
  
Regional Director (I/C)

The Manager to Govt. of India  
Department of Publications, (Gazette Section)  
Civil Lines, Delhi-110054

C.C

- 1. The Principal, BHILAI MAHILA MAHAVIDYALAYA, HOSPITAL SECTOR BHILAI - 490001 CHATTISGARH.
- 2. The Secretary, (Higher Education), Government of CHATTISGARH.
- 3. The Director, SCERT, RAIPUR, CHATTISGARH.
- 4. The Registrar, PT. RAVI SHANKAR SHUKLA UNIVERSITY, RAIPUR, Chattisgarh.
- 6. The Secretary, Dept. of School Education and Literacy, Ministry of Human Resource Development, Govt of India, Shastri Bhawan, New Delhi-110 001.
- 6. The US (Computer), National Council for Teacher Education, Hans Bhawan, Wing-II, Bahadurshah Zafar Marg, New Delhi-110 002.
- 7. Office Order file/Institution file APW04300/723108.

  
Regional Director (I)



# UNIVERSITY GRANTS COMMISSION - CENTRAL REGIONAL OFFICE,

Tawa Complex (Bittan Market), E-5, ARERA COLONY, BHOPAL-462 016  
Ph. : 0755 – 2467418, 2467892, Fax. : 0755 – 2467893, web site : www.ugc.ac.in

F.No.GD/202002/XII/12-13/CRO

To

The Account Officer,  
UGC, Central Regional Office  
Tawa Complex, Bittan Market,  
E-5, Arera Colony, Bhopal (M.P.)

*7/07/14*  
*Relu*  
**Principal**  
**Bhilai Mahila Mahavidyalaya**  
**Bhilai Nagar (C.G.)**

Date:- .....

*9 JUN 14*  
*For forward of inf. to*  
*Chairman*  
*139. in*

Sub: Release of 15% "Adhoc On account grant" under the scheme of Plan Block Grant- in-aid during XII Plan period.

Sir/Madam,

As per the decision taken in the Commission meeting held on 19<sup>th</sup> July 2012, 25% of allocation of XI Plan College Development Assistance was released as "on account grant" for XII Plan period. Now the Commission has decided in the commission meeting held on 30<sup>th</sup> December 2013 to release up to 40% of GDA + merged schemes allocated to the individual colleges during XI<sup>th</sup> Plan period, including 25% of grant already released earlier to Bhilai Mahila Mahavidyalaya, Hospital Sector, Bhilai Nagar, Bhilai- 490009(C.G.) the colleges during XII Plan. Accordingly, I am directed to convey the sanction of the Commission for payment of Rs. 1295000 to Bhilai Mahila Mahavidyalaya, Hospital Sector, Bhilai Nagar, Bhilai- 490009(C.G.) the for the XII Plan period as detailed below:

**Chairman**  
**GOVERNING BODY**  
**Bhilai Mahila Mahavidyalaya**

XII <sup>th</sup> Plan Allocation	Amount already released during 2012-13	Amount to be released during 2013-14	Remarks
4300000	425000	1295000	

- The Sanctioned grant may be treated as "Adhoc on account" grant for XII Plan. The allocation made now is Provisional Allocation and the final allocation would be made on finalization of XII Plan Guidelines. The grants sanctioned now would be adjusted against the XII Plan allocation to be made subsequently on the basis of assessment.
- XII<sup>th</sup> Plan may be treated as equivalent to GDA+ merged schemes of XI<sup>th</sup> Plan period, Ratio of allocation under budget heads 35 & 31 (Non-recurring & Recurring) may remain 80:20 as in UGC's guidelines. There should not be any re-appropriation from budget head 35 to 31 or vice versa. The release for SC/ST may be made as per the allocation of 15% and 7.5% respectively.
- The amount of the grant shall be drawn by the Account Officer CRO, UGC, Bhopal (Drawing and Disbursing Officer), University Grants Commission on the Grants-in-aid bill and shall be disbursed to and credited to the Principal, Bhilai Mahila Mahavidyalaya, Hospital Sector, Bhilai Nagar, Bhilai- 490009(C.G.) by him/her through RTGS/NEFT.
- The Grant is subject to the Adjustment on the basis of Utilization Certificate in the prescribed Performa submitted by the College.
- The University/College shall maintain proper accounts of the expenditure out the Grants, which shall be utilized, only on approved items of expenditure and ensure proper labeling of the items purchased.
- The Utilization Certificate to the effect that the Grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University grants Commission as early as possible after the close of the current financial year. Balance grant will be released only on receipt of audited UC and Statement of Expenditure etc., signed by Chartered Accountant.
- The assets acquired wholly or substantially out of University Grants Commission's Grant shall not be disposed or encumbered or Utilized for the purpose other than those for which the Grant was give, without proper sanction of the University Grants Commission and should at any time the college ceased to function, such assets shall revert to the University Grants Commission.
- The University/College/Institute shall maintain a Register of Assets acquired wholly or substantially out of the Grants in the prescribed form.
- The grantee Institution shall ensure the Utilization of Grants-in-aid for which it is being sanction/paid. In case of non-utilization/part utilization, or mis-utilization of grants sanctioned by the Commission for the purpose for which these were approved and in accordance with the terms and conditions of the approval or does not furnish the required documents or is disaffiliated from the University the entire amount paid by the

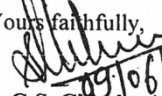
Cont...2



Commission shall be refunded by the College with simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Government of India will be charged.

12. The grant should not be used for Self-Financing/Unaided Courses.

13. It may be noted that the accounts of the grant-in-aid institution shall be subject to inspection by officers of the CRO, UGC, Bhopal
14. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the U.C./Statement of expenditure to be furnished by grantee institution.
15. The University/College/Institute shall follow strictly all the Instructions issued by the Government of India from time to time with regard to reservation of posts for scheduled Castes/Scheduled Tribes/OBC/PH/etc.,
16. The University/College shall fully implement the official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Languages (use for Official purposes of the Union) Rules, 1978 etc.
17. The sanction issues in exercise of the delegation of powers vide commission office order no. 25/92 dated May 01, 1992.
18. The funds to the extent are available under the Scheme.


Yours faithfully,  
  
(Dr G.S. Chauhan)  
Deputy Secretary

Copy forwarded for information and necessary action to:

1. The Principal  
Bhilai Mahila Mahavidyalaya  
Hospital Sector  
Bhilai Nagar - 490009 (C.G.)
2. The Commissioner, Higher Education  
Govt. of Chhattisgarh,

**BCR OF 2013-2014**

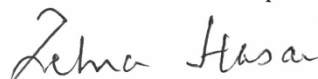
The sanctioned grant of Rs. 1295000 (In words of Rs. Eight Lakh Twenty Two Thousand Only) has been transferred to your college Account No. 68210003190 at Bank with IFS Code BKDN0820682 through RTGS/NEFT by Canara Bank, Arera Colony, Bhopal/UBI, St. Joseph Branch Bhopal. You are requested to confirm the receipt of the above amount in your account by sending back the given stamped receipt within 7 days.

  
(Prashant Dwivedi)  
Education Officer

**Receipt**

Received Rs 1295000 from University Grants Commission, Central Regional Office, Bhopal towards "Adhoc of Account Grant" under the scheme of Plan Block Grant in aid for XII<sup>th</sup> Plan period

Date.....

  
The Principal  
Bhilai Mahila Mahavidyalaya  
Hospital Sector  
Bhilai Nagar - 490009 (C.G.)  
Principal  
Bhilai Mahila Mahavidyalaya  
Bhilai Nagar (C. G.)



















