



## Yearly Status Report - 2014-2015

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	GOVT. E. RAGHAVENDRA RAO POSTGRADUATE SCIENCE COLLEGE, BILASPUR (C.G.)
Name of the head of the Institution	Dr. B. L. Goyal
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07752246430
Mobile no.	7898484846
Registered Email	gerrscanaac20@gmail.com
Alternate Email	pr.sc.college@gmail.com
Address	Seepat Road
City/Town	BILASPUR
State/UT	Chhattisgarh
Pincode	495006

<b>2. Institutional Status</b>					
Autonomous Status (Provide date of Conformant of Autonomous Status)			30-Oct-1987		
Type of Institution			Co-education		
Location			Urban		
Financial Status			state		
Name of the IQAC co-ordinator/Director			Dr. D. K. Shrivastava		
Phone no/Alternate Phone no.			07752246430		
Mobile no.			9893079823		
Registered Email			iqacgerrpgsc@gmail.com		
Alternate Email			dksbotany@gmail.com		
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)			<a href="http://www.sciencecollegebilaspur.ac.in/iqac.html">http://www.sciencecollegebilaspur.ac.in/iqac.html</a>		
<b>4. Whether Academic Calendar prepared during the year</b>			Yes		
if yes,whether it is uploaded in the institutional website: Weblink :			<a href="http://www.sciencecollegebilaspur.ac.in/calender.html">http://www.sciencecollegebilaspur.ac.in/calender.html</a>		
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.67	2005	21-Sep-2005	20-Sep-2010
2	A	3.02	2015	01-May-2015	30-Apr-2020
<b>6. Date of Establishment of IQAC</b>			11-Dec-2012		
<b>7. Internal Quality Assurance System</b>					
Quality initiatives by IQAC during the year for promoting quality culture					

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
ONE DAY WORKSHOP ON ACADEMIC AND EXAMINATION REFORMS	13-Jul-2014 1	42
INDUCTION PROGRAM: SEWMESTER SYSTEM IN OUR COLLEGE	06-Sep-2014 1	212
<a href="#">View File</a>		

**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
<a href="#">View File</a>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

3

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

Yes

If yes, mention the amount

300000

Year

2015

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Establishment of an office with all facility for IQAC cell Formation of quality cell at district level one day workshop on academic and examination reforms one day workshop on basic computer application induction program for the college students

[View File](#)

**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achievements/Outcomes
. Well implementation of semester system in UG program. 2. Up Gradation Of Course and Curriculum 3. Use Of ICT In Teaching and Learning	Semester system has been implemented successfully, courses of study has been revised/ modified by BOS of subject concern and approved by academic council of college. Mode of pedagogy has been evolved as for practical.
<a href="#">View File</a>	

**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Governing Body	20-Jul-2015

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

Yes

Date of Visit

09-Apr-2015

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2015

Date of Submission

17-May-2015

**17. Does the Institution have Management Information System ?**

No

**Part B**

**CRITERION I – CURRICULAR ASPECTS**

**1.1 – Curriculum Design and Development**

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BSc	BBTC		07/07/2014
BSc	BMBC		07/07/2014
BSc	ZBTC		07/07/2014
BSc	ZMBC		07/07/2014

BSc	ZGC		07/07/2014
BSc	PCM		07/07/2014
BSc	PCSM		07/07/2014
BSc	PITM		07/07/2014
<a href="#">View File</a>			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
<b>No Data Entered/Not Applicable !!!</b>		

## 1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
<b>No Data Entered/Not Applicable !!!</b>		
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MSc	Microbiology	17
MSc	Physics	35
BCA	BCA	12
No file uploaded.		

## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

#### Feedback Obtained

Feedback from regular students, Alumni, teachers and parents has been taken at the end of each academic session. The feedback from all stakeholders is collected by the feedback committee and submitted to IQAC where it has been analyzed thoroughly and suggestions gathered from the stakeholders are recommended to the college administration for incorporation / implementation in the working policy of the Institution. Written feedback has been collected on various aspects of the College including teaching, learning, infrastructure, future plans, Library and sports facilities, administration and other curricular and extracurricular activities. Feedback has also been collected from parents during parent's teacher meeting and from Alumni in meetings of Alumni association. Suggestions and comments given by the parents and Alumni are also taken into consideration for future development. The different areas where improvement is needed are discussed by IQAC and Principal with respective committee or department. Follow-up action regarding implementation of suggestions given by stakeholder is also a regular practice in our Institution. Feedback about the teaching process and explanation by the teacher in their respective classes are also collected for UG and PG classes separately. If there is any chance for improvement then respective teachers are called by the Principal and suggestions are given to them to make them more effective in the class rooms.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
<b>No Data Entered/Not Applicable !!!</b>				
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### 2.2 – Catering to Student Diversity

#### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2014	1100	423	7	0	18

### 2.3 – Teaching - Learning Process

#### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
25	20	1	12	2	1
<a href="#">View File of ICT Tools and resources</a>					
No file uploaded.					

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

In order to enhance the capability and to support students, mentoring system has been implemented in the college, with the objectives: 1. To Increase contact of teachers and students 2. To help students to improve their performance 3. To give students equitable service 4. To develop scientific temperament 5. To make ambience with English language 6. To develop competitive aptitude The system has been developed by the faculty members by discussion and resolution in staff council in 2014-15. Since college cater the wide variety of students in term of educational and economical background, the system helps in understanding the students and provide student centric education to them and perform according to their potential. For mentoring, students are divided into the group as per their programme and a teacher is assigned as mentor to each group who would do mentoring duty. a. After collecting all necessary information, mentors are expected to offer guidance and counselling, as and when required. b. It is the practice of Mentors to meet students individually or in groups.. c. If a student is identified as having weakness in particular subject, it is the duty of the Mentor to apprise the concerned subject teacher. The mentoring system of the institution is : a. to be student-centric b. to render equitable service to students of varied academic financial backgrounds

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1523	25	1 : 61

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
28	25	3	0	20

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
<b>No Data Entered/Not Applicable !!!</b>			
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## 2.5 – Evaluation Process and Reforms

### 2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

### 2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
165	2219	7.4

## 2.6 – Student Performance and Learning Outcomes

### 2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.sciencecollegebilaspur.ac.in/igac.html>

### 2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.sciencecollegebilaspur.ac.in/igac.html>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
<b>No Data Entered/Not Applicable !!!</b>				
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### 3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
<b>No Data Entered/Not Applicable !!!</b>				
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0
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### 3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
<b>No Data Entered/Not Applicable !!!</b>		
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
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No Data Entered/Not Applicable !!!

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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Botany	4
Microbiology	1
Physics	1
Zoology	1

#### 3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	0	8	0.2
International	0	4	0
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#### 3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
No Data Entered/Not Applicable !!!	
No file uploaded.	

#### 3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
No file uploaded.			

#### 3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
<a href="#">View File</a>						

#### 3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
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No Data Entered/Not Applicable !!!

[View File](#)

### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	2	0	0
Presented papers	2	1	0	0
Resource persons	0	0	7	5

No file uploaded.

### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			

No file uploaded.

#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				

No file uploaded.

### 3.6 – Extension Activities

#### 3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			

[View File](#)

#### 3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			

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#### 3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				

[View File](#)

### 3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
temporary	project	Barkatullah University, Bhopal, BHU Varanasi, Agriculture University Ranchi, SS College Nagpur, IGNTU Amarkantak, Govt. VYT PG. College Durg, Bhilai mahila mahavidyalay, Bhilai, Bilaspur University Bilaspur, Dept. of Bioscience, R.D.V. V. Jabalpur.	15/01/2015	15/03/2015	17
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
govt. V. Y. T. PG. Autonomous College Durg (C.G.)	03/04/2015	mutual sharing of academic flexibility	2
No file uploaded.			

### CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

#### 4.1 – Physical Facilities

##### 4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
6513170	5586230

##### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
<b>No Data Entered/Not Applicable !!!</b>	
<a href="#">View File</a>	

#### 4.2 – Library as a Learning Resource

##### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Soul (inflibnet)	Partially	2.0	2014

##### 4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

##### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	84	60	0	0	3	5	12	5	2
Added	10	3	0	0	2	1	4	0	0
Total	94	63	0	0	5	6	16	5	2

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

5 MBPS/ GBPS
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##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
<b>No Data Entered/Not Applicable !!!</b>	

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
3960155	3245630	1432000	1105889

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

Our college has well systematic academic and administrative management whereas democratic process has been adopted to take any decision related to maintaining and utilizing physical, academic and support facilities. The entire procedure and policies related to all activities and facilities are governed as well as monitored by various committees including faculty members, staff and student's representative headed by senior professor. Decisions and policies are made through proper meetings of concern committees following the recommendation of IQAC and directives of the University / department of higher education, Govt. of Chhattisgarh and UGC. So far as academic matters are concern, the departmental board of studies are responsible for implementation moderation / revision of courses and curriculum. An autonomous examination cell is established in the college which is responsible for conduction of regular examinations and declaration of results however an autonomous affairs cell is in function to coordinate the management bodies / committees and stakeholders facilitating the entire policies / regulation under autonomy system. Being a government college the infrastructure including classrooms, library, laboratory, office, conference hall, hostel, auditorium etc. are maintained by PWD, Bilaspur, Govt. of Chhattisgarh, whereas there is a separate building committee in the college which look after the matter related to construction/renovation and maintenance work and coordinating with Government? agencies. The committee seeks departmental requirements, needs of laboratories, class rooms research rooms, library etc. and send the proposal with details of budget requirements funding agencies etc. to the Government of Higher Education for approval. The building and infrastructure committee makes proposal. White wash, any new construction or major repair are also executed by Public Works Department (PWD) in the similar manner. Whereas minor repairs are done at the college level. The college has an advisory committee for library. The Library advisory committee consists of senior faculty as the Chairman, coordinator and few members from the teaching faculty and the Librarian as members. The committee meets at regular intervals to decide the purchase, infrastructural development and improvisation of the Library. Upgradation is being done time to time by use of multimedia resources in the library, renovation and modernization of reading rooms, networking facilities with SOUL software etc. A separate sports committee has also been constituted in the College for the development of sports facilities and encouraged excellent sports persons in the college, whereas the entire activities of games / sports at college, university, state and national level conducted / coordinated by Sports officer. Finally the action taken in different sectors have been reviewed through feedback system and carried forwarded to next session.

<http://www.sciencecollegebilaspur.ac.in/autonomy.html>

#### CRITERION V – STUDENT SUPPORT AND PROGRESSION

##### 5.1 – Student Support

5.1.1 – Scholarships and Financial Support

Name/Title of the scheme	Number of students	Amount in Rupees
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2014	counselling and placement	334	643	2	0
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	15

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
<b>No Data Entered/Not Applicable !!!</b>					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
<b>No Data Entered/Not Applicable !!!</b>	

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
sports	COLLEGE, INTERCOLLEGE, UNIVERSITY, ZONAL (20)	345
cultural	COLLEGE, DISTRICT LEVEL (20)	267

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Enrolled students of our college have active and significant representation in various academic, administrative and extracurricular activities through departmental Board of Studies, Internal Quality Assurance Cell, Amalgamated Fund committee, Sports committee, Cultural committee and other different committees along with various student unit like departmental association, NCC, NSS, YRC and student council. The College has an active Student Council which is constituted through direct election/as per guidelines provided by the department of Higher Education, Government of Chhattisgarh under the recommendation of Higher education of India / Lyngdoh Committee. The student council constituted as an elected body comprises of President, Vice President, Secretary, Joint Secretary and Class representatives. The entire activities have been performed under the supervision of Professor in-charge, as directed by the Principal. The constitution, functions and activities of Student council is enshrined in the schedule of college program /calendar. The departmental associations (in postgraduate department only) are also constituted by merit / mass opinion, as per the norms of the department and their activities are conducted under the guidance of Head of the department concern. Apart from the activities of student council concerned to the college, the departmental associations have performed their activities and representation involved with the department concerned. The students have active representation in the academic bodies of the institution. The Board of Studies of every department has a post graduate meritorious alumnus as student representative. The student representative engages in the curriculum design and development. The feedback of the students is also considered while designing the curriculum. The Student Council draws up the program of activities to be undertaken by the council during the academic session and make necessary arrangement for the implementation of the program like debate, quiz completion, model exhibition etc. Apart from this, the Student Council actively participates in the planning of the Cultural, Literary and Sports activities of the college and encourages the students to participate in the same. They have actively participat to organize Teacher's day Sraswati pooja celebration and Annual day function as well as Prize distribution. The President of Students Council constitutes a Student Grievance Redressal Society and Student Welfare Society. Through both these Societies, the grievances of the students are readdressed in consultation

with the College administration. The Student Council also participates in the extension activities conducted by the NSS unit, NCC unit, Red Cross unit etc. These include Plantation Program, Blood Donation Camp, Health Awareness Campaign, Cleanliness drive etc. Thus the Student Council has a proactive role in the academic, administrative, cultural activities of the college.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

161

5.4.3 – Alumni contribution during the year (in Rupees) :

14985

5.4.4 – Meetings/activities organized by Alumni Association :

05

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Mention two practices of decentralization and participative management during the last year More than thirty committees and subcommittees involving faculty members, staffs and representative of students were functional for proper conduction of academic and administrative activities in our college. IQAC has also in function for monitoring and implementation of participative management to achieve quality benchmark. Out of various practices of decentralization and participative management notably two practices are - i. All Postgraduate departments have an organized departmental association comprising of selected / nominated students coordinated by a Prof. in charge under the supervision of HOD, performed various academic and administrative activities like conduction of seminar test under internal assessment, use management of departmental library, academic excursion tour, interdepartmental intercollegiate academic interaction and management of laboratory equipments/items. ii. Cultural committee and Amalgamated fund committee are constituted in our college comprising the representative from all stakeholders performed various student centric academic and extracurricular activities coordinated by senior Professor under the supervision of the Principal.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

#### 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	For the development of curriculum, subject-wise BOS are constituted by the college as per the guidelines of UGC. The subject-wise course curricula are developed by BOS based on the needs of

the learners and local needs for the students. The existing curricula are reviewed annually at each academic session and courses are updated to incorporate the required changes. Thereafter it is passed by Academic Council and approved by the Governing body of the college at last. During the session of 2014-15, the college has adopted semester system with choice based courses and honors courses at undergraduate program courses of study for different programs have been reconstituted and reframed accordingly. Simultaneously various mode of assignment and field / project work have been incorporated under internal assessment system.

Teaching and Learning

The academic calendar showing the academic activities time-table of classes as prepared by college committee and lesson plan in a subject/paper/unit as prepared by every faculty at the beginning of each session have been displayed on website and notice board. However, daily progress was also maintained in the form of teaching diary and verified by the head of the department and then by the Principal. The teaching process comprising Class Room Learning, Power Point Presentation, Assignments, Seminars, Web based resources Guest lectures and Visit to different laboratories have been adopted. Outline of the course schedule and topics to be taught by the teacher were provided to the students prior to the commencement of classes. Students are evaluated regularly through internal tests, assignments and seminars. Learning has been made more student-centric by encouraging them to prepare a detailed notes/ report on their seminar/ project topics and discuss their seminar topics/ project reports through power point presentation under the supervision of faculty members. Besides, workshops, group discussions, field study, participation in quiz, poster and model presentation, participation in extension activities, etc. are also included in the academic practices. As the students are predominantly from Hindi medium schools, the English Language Lab of the college helps to build and enhance the communication/writing skills of the

students and also helps them to understand difficult concepts of science subjects. The college has a rich, well equipped and automated library with INFLIBNET and internet facilities. Different departments have their own departmental libraries for PG students

**Examination and Evaluation**

Our college has a well organized Autonomous Examination Cell who conducts all examinations under semester system adopting internal assessment and external evaluation system. Modified question pattern has been adopted that comprises objective type, short answer type and descriptive type questions unit wise per paper. Examination reforms have been done by general discussion and common opinion in the meeting of stakeholders, alumni and academicians. Thereafter IQAC perused this matter in front of academic council and after approval by the governing body it has been adopted. Details of various courses, syllabus, and examination pattern and examination process are provided to the students at the time of admission through admission brochure and respective departments. The dates of unit tests/assignment and seminars are declared well before through notice. The dates of semester examinations are declared at least one month before the commencement of the examination.

**Research and Development**

Motivation of faculty members for research publication and participation in research seminars. Encouraging faculties to act as Ph. D. supervisor

**Library, ICT and Physical Infrastructure / Instrumentation**

Boy's hostel has been renovated and proposal for 100 seated girl's hostel is proposed. Well equipped and automated library with INFLIBNET and internet facilities have been performed and different departments have their own departmental libraries for PG students. Laboratory for computer science and information technology has been established and central laboratory has been proposed.

**Human Resource Management**

Motivating and facilitating the faculty members to participate in refresher and orientation courses, conduction of short term computer program for non teaching staff, organization of work shop on different safety measures have

	<p>been performed. Self appraisals of teachers through maintenance of academic dairy, establishment of grievance redressal cell, anti ragging committee, sexual harassment committee etc. are functional</p>
Admission of Students	<p>Following the guidelines provided by the department of Higher education, Govt. of Chhattisgarh, the entire admission procedure is governed by admission committees, which are formed department wise for PG and subject group-wise for UG. For admission in Ph. D. program, the parent university has conducted common entrance test as per UGC regulations the selected candidates are referred to research centers. The DRC of the college conducted personal interview with power point presentation. All reservation rules laid down by state government are strictly followed.</p>

#### 6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Administration	<p>For administrative purpose e- facility is used extensively, which helps in faster communication and timely completion of work. All the HOD and principal office communicate via Email. E mail is the mode of communication within the institution for providing the centralise information about the rule, regulations, notices and circulars of the government and parent university.</p>
Finance and Accounts	<p>Since the college is a government institution as per the rule of the Govt. All salaries are made online in e-kosh software of Department of finance Govt of CG. All the payment of salaries is done through online transaction. The payment of purchase of various articles are done through treasury challan by making online bill. All grants from the government is received through online transaction.</p>

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
<b>No Data Entered/Not Applicable !!!</b>				

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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
<b>No Data Entered/Not Applicable !!!</b>						
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Orientation	1	26/06/2014	23/07/2014	24
Orientation	2	11/05/2015	06/06/2015	24
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	0	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<b>No Data Entered/Not Applicable !!!</b>		

## 6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

6.4.1 Institution conducts internal and external financial audits regularly All financial transactions, purchases and expenditures are done by the Principal as per Govt. norms duly recommended by the purchase committiee of the college and proposed by various departments. The effective and efficient use of financial resources is ensured through a proper system adopted by the college. College gets funds from four different sources, such as University Grants Commission, State Govt. Higher education department, Janbhagidari samiti, funds generated through self financing courses. The internal financial accounting is done every month and is completed before 10th of every month considering all the previous month transactions. After completion of the monthly accounts the same accounts are audited by the internal auditors from departmental staff appointed by the Principal. The External Audit is undertaken by AG and Govt. of Chhatisgarh auditors. Some times Chartered Accountants are also engaged to audit the accounts of the college, especially the accounts of grants provided by UGC/CG/COST/Self financeing/Autonomy.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
<b>No Data Entered/Not Applicable !!!</b>		
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6.4.3 – Total corpus fund generated

**No Data Entered/Not Applicable !!!**

**6.5 – Internal Quality Assurance System**

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		No	
Administrative	No		No	

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Discussion of academic performance 2. student facilities and motivation 3. maintenance of infrastructure and lab facility

6.5.3 – Development programmes for support staff (at least three)

Field Visit, family gathering, computer orientation.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Accreditation Process Going on

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
<b>No Data Entered/Not Applicable !!!</b>					
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**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 – Institutional Values and Social Responsibilities**

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
<b>No Data Entered/Not Applicable !!!</b>				

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

By solar panel 1 kw

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Ramp/Rails	Yes	4
Scribes for examination	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Teaching staff	01/07/2014	Code of Conduct of the Govt. of Chhattisgarh is applicable in the institution. however for ease institution has formulated the code of conduct.
Non teaching staff	01/07/2014	Code of Conduct of the Govt. of Chhattisgarh is applicable in the institution. however for ease institution has formulated the code of conduct.
Students	01/07/2014	Code of Conduct of the Govt. of Chhattisgarh is applicable in the institution. however for ease institution has formulated the code of conduct.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Plantation
2. Competition (Quiz, Debate Essay ) on environment
3. Environmental study papert at first year
4. Eco club organization
- 5.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

I. Participatory Learning: advancement over traditional lecture pattern by installation of ICT tools inside the campus and the class room - Objective: Alternate teaching technique supplementing the traditional lecture method has been devised /formulated to make students fully involved in teaching-learning process. Hence, the shift from traditional to innovative method has made the teaching exciting and interactive exercise. The practice aims at all categories of students (slow and advanced learners), who are to be benefited from the change and motivated to self-learn at least part of the topics discussed in the classes earlier. Context: The Course structure in Honours, Pass Elective subjects for UG classes and the PG classes are designed in unitary patterns as per the UGC curriculum revised and advanced every year by the Board of Studies. Towards this effort, teaching modules and lesson plans are prepared for the semester pattern examination in order to fulfill the continuous evaluation process. In addition to the feedback from students that- 'The chalk and the talk method' and to sustain the interest of the students there is sweeping change in the curriculum. Innovative, application oriented, skill-based and job prospective topics have been introduced in all disciplines. The UG students in all streams have been provided ample scope to opt their Honours, Pass and elective subjects also they can change their option with in a specified period to come over to another subject in the same stream. All those paper scan'tbe taught by the conventional lecture method alone hence, radical changes have been made in pedagogy. Practice: Students are involved in departmental seminars, case study analysis, debates, competitions, field trips and outdoor indoor games, sports, athletic meet, maintenance of herbal gardens which are regular features of the campus life. These aspects enhance the academic ambience. Since the student-centered learning strategies have been initiated, exercises are undertaken to enable students to acquire hand on learning and first-handin formation from real life situation by implementing methodologies like on site learning and field visits, study tour for experimental learning, projects, pilot studies and surveys along with presentation of their finding reports for proper evaluation and award. These exercises are applicable to all UG PG departments as the y help the students to develop composite skills like data collection, organization, presentation and interpretation of data, usage of IT for preparation of projects and Power Point Presentation. A language laboratory has been established for acquiring communication skills through interactive learning. Internet Browsing Centre with the provision of INFLIBNET facility in the Central Library has been setup to promote self-learning. Preparation of lesson modules and seminar topics for power point presentation has been greatly facilitated through the net connectivity and computerization in the campus. Most of the staff prepares their own power point presentation, while the rest are undergoing the necessary training to facilitatee-learning process in the institution. Evidence of Success: Regular sustained efforts have been taken by the staff to adopt alternate teaching methods and percentage of lecture is at present only 60-70 depending on the course. Problems encountered Resources required: National- State-and Institutional level regular works hops and seminars need to be organized to bring about attitudinal changes in teachers, and impress them the effectiveness of methodology as teaching tool. Other than the lecture method, teachers are trained in using of ICT for preparing teaching aid. The available grants from the Govt. Or UGC under CPE scheme would be made to invest in procuring Smart boards in each class room, e-beam, latest educational software, and Central laboratory with sophisticated instruments for quality research, Computer Hardware Software etc. In addition to the existing browsing center (NRC), an additional 10 systems are to be

established to meet the rising demand. MoUs are to be undertaken with local industries, NGOs, other establishments to accommodate intensive, on-site planning and project modulation. Advanced evaluation techniques also need to be formulated to bring the learning process more effective one. II. Innovative course pattern and continuous assessment: Semester system with honour courses and internal assessment. Objective: The college has set its vision to commensurate with the time and taking into account the challenges in the age of globalization and knowledge the society. The argent need to introduce the semester with Choice Based Credit System (CBCS) and Continuous Assessment and Grading Pattern (CAGP). Context: The UGC and NACC has advocating CBCS and CAGP a number of universities and colleges of higher learning in the country have already adopted such pattern. In this regard the college extends its all efforts to implement the semester system with CBCS and CAGP, however considering the academic environment and status of local region in this state, the college has introduced semester system with choice based honour courses from current session. After successful implementation of this system, to complete the object CBCS and CAGP will be introduced in near future. The Practices: To meet the standard in education, change in our teaching learning system is required in time and space. Change will help to strive towards perfection. Once the goal is set and strategies are worked out, the thrill of achieving is fascinates the perfection. Time has come that college thinks of making inter mental changes in academic practices so that our academic practices are comparable with the best progressive practices elsewhere in the country. Keeping this views and objectives in mind we have introduced the semester system with honors paper in three year degree courses as below - ?

Duration - three years of six semesters. Each semester is of six months duration • Group of subjects - ? B.Sc. I to VI Semester Mathematics, Chemistry, Physics Mathematics, Information Technology, Physics Mathematics, Computer Science, Physics Mathematics, Geology, Physics Botany, Zoology, Chemistry Botany, Microbiology, Chemistry Botany, Biotechnology, Chemistry Zoology, Microbiology, Chemistry Zoology, Biotechnology, Chemistry Zoology, Geology, Chemistry ? B.Sc. Honors courses (additional one subject from third semester) Choice based any one subject from out of 10 as mentioned above. • Compulsory subjects - Environmental studies - In 1st Semester General English - In 2nd and 3rd Semester General Hindi - In 4th and 5th Semester Skill based courses - In 6th Semester • Paper per semester - 1st Semester One paper each combination and one compulsory 2nd Semester One paper each combination and one compulsory 3rd Semester One paper each combination, one compulsory subject and one paper of honors subject 4th Semester One paper each combination, one compulsory subject and one paper of honors subject 5th Semester One paper each combination, one compulsory subject and one paper of honors subject 6th Semester One paper each combination, one compulsory subject and one paper of honors subject • Mark Pattern - Practical Subject / Paper Theory Paper - 60 marks Internal assessment - 15 marks Practical paper - 25 marks Non-Practical Subject Theory Paper - 80 marks Internal assessment - 20 marks ? Practical exam - 50 marks, end of each even semester. • Question paper pattern - ? Paper comprises five units. ? Each unit consists of 02 question of 12/16 marks each. Students have to solve any one (50) internal choice. ? Each question includes three mode - 1. Objective types - 2 marks (for both practical and Non-practical subjects). 2. Short answer type - 4/6 marks (practical/ Non-practical subjects). 3. Descriptive answer type - 6/8 marks (practical/ Non-practical subjects). • Passing Marks - ? Minimum passing mark for theory/practical exam - 34 ? Minimum passing mark for internal assessment - 40 ? No supplementary exam and revaluation system. ? Semester to semester promotion system Up till now, reports from various corners of the institutions and society have suggested significantly positive feedback on the interactive session or informal discussion. The system of mentoring and found to be significant and successful for monitoring all around development of a particular student. Right now the result of this exercise is the overall

improvement of students. This marks teaching more effective. A strong affinity between the faculty members, wards and students has been established as the innovative relationship inside the campus to maintain its academic status and institutional heritage.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.sciencecollegebilaspur.ac.in/igac.html>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Adoption of Semester system in undergraduate program with choice based courses as student centric learning method innovative pattern of internal assessment system and question paper pattern comprising objective type, short answer type and descriptive type questions unit wise per paper. Assessment and accreditation process under 2nd cycle has been completed and awarded Grade 'A' by NAAC.

Provide the weblink of the institution

<http://www.sciencecollegebilaspur.ac.in/vision-mission.html>

### 8.Future Plans of Actions for Next Academic Year

The institute plans to perform the following action under academic/examination reform, infrastructural and other developmental initiatives - 1. Implementation of the Honors and skill based courses 2. Formulation of the Central evaluation system for semester end examination. 3. Promotion of Inter disciplinary projects and research. 4. Construction of 100 seated girls' hostel and renovation of boy's hostel. 5. Construction of new class rooms and establishment of smart classes. 6. Beautification of main college campus, boys' hostel and girls' hostel campus. 7. Establishment of Central laboratory and renovation of science laboratories. 8. Up-gradation and new designing of college website. 9. Installation of rain water harvesting system in main administrative building of the college. 10. Up-gradation of parking facility.