



ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2016-17

SUBMITTED TO

**NATIONAL ASSESSMENT AND ACCREDITATION
COUNCIL, BANGALURU**



BY

INTERNAL QUALITY ASSURANCE CELL (IQAC)

GOVT.V.Y.T.PG.AUTONOMOUS COLLEGE, DURG, CHHATTISGARH

(REACCREDITED BY NAAC WITH "A+" GRADE III-CYCLE)

(SELECTED FOR UGC "CPE" SCHEME PHASE-III)

(INCLUDED IN STAR COLLEGE SCHEME OF DBT, NEW DELHI)

(AWARDED 1ST RANK BY DEPARTMENT OF HIGHER EDUCATION, C.G.

GOVT. UNDER PANCHMUKHI YOJANA)

**(SELECTED FOR PREPARATION OF NATIONAL HIGHER EDUCATION
QUALIFICATION FRAMEWORK BY MHRD, NEW DELHI)**

OFFICE OF THE PRINCIPAL
GOVT. V.Y.T.P.G. AUTONOMOUS COLLEGE, DURG 491001(C.G.)
(Former Name – Govt. Arts & Science College, Durg)
NAAC Grade-A+, CPE Phase-III , DBT-Star College
Ph.: 0788-2359688, Fax: 0788-2359688
Website: www.govtsciencecollegedurg.ac.in

No./ 2247/17/
To,

Durg, Dated 27/7/2017

The Director
NAAC
Post box no. 1075
Opposite to National Law school of India University
Nagarbhavi Banguluru- 560072

Subject :- Submission of AQAR Report 2016-17.

Sir,

With reference and subject cited above, please find AQAR Report for 2016-17 of GOVT. V.Y.T.P.G. AUTONOMOUS COLLEGE, DURG (C.G.) for your necessary action.

Regards.



(DR. S.K. RAJPUT)
PRINCIPAL
GOVT. V.Y.T.PG AUTONOMOUS COLLEGE
DURG (C.G)

**The Annual Quality Assurance Report (AQAR) of the IQAC
GOVT. V.Y.T. PG AUTONOMOUS COLLEGE, DURG (C.G.)**

Part – A

AQAR for the year (*for example 2013-14*)

2016-17

I. Details of the Institution

1.1 Name of the Institution

Govt. V.Y.T. PG Autonomous College, Durg

1.2 Address Line 1

G.E. Road, Durg

Address Line 2

-

City/Town

Durg

State

Chhattisgarh

Pin Code

491001

Institution e-mail address

pprinci2010@gmail.com

Contact Nos.

0788-2359688

Name of the Head of the Institution:

Dr. S. K. Rajput

Tel. No. with STD Code:

0788-2359688

Mobile:

09425211073

AQAR 2016-17

Name of the IQAC Co-ordinator:

Dr. Jagjeet Kaur Saluja

Mobile:

9977717571

IQAC e-mail address:

lqac.vyt@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

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OR

1.4 NAAC Executive Committee No. & Date:

EC/SC/22/A & A/21.3 dated 22-02-2017

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

1.5 Website address:

www.govtsciencecollegedurg.ac.in

Web-link of the AQAR:

www.govtsciencecollegedurg.ac.in/AQAR 2016-16.doc

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	2.7	2005	2010
2	2 nd Cycle	A	3.10	2011	2016
3	3 rd Cycle	A+	3.58	2017	2022
4	4 th Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

15/09/2005

AQAR 2016-17

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

i. AQAR 2011-12	03/07/2012	(DD/MM/YYYY)
ii. AQAR 2012-13	06/06/2013	(DD/MM/YYYY)
iii. AQAR 2013-14	13/07/2014	(DD/MM/YYYY)
iv. AQAR 2014-15	30/07/2015	(DD/MM/YYYY)
v. AQAR 2015-16	01/08/2016	(DD/MM/YYYY)

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution (UGC) Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (for the Colleges)

**Pt. Ravishankar Shukla University, Raipur (C.G.)
Durg Vishwavidyalaya Durg (C.G.)**

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc – UGC CPE Phase III; DST-FIST; DBT –STAR College

Autonomy by State/Central Govt. / University	<input type="text" value="Yes"/>		
University with Potential for Excellence	<input type="text" value="-"/>	UGC-CPE	<input type="text" value="Phase-III"/>
DST Star Scheme	<input type="text" value="Yes"/>	UGC-CE	<input type="text" value="-"/>
UGC-Special Assistance Programme	<input type="text" value="-"/>	DST-FIST	<input type="text" value="Yes (2006-09)"/>
UGC-Innovative PG programmes	<input type="text" value="-"/>	Any other (<i>Specify</i>)	<input type="text" value="-"/>
UGC-COP Programmes	<input type="text" value="-"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="06"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="02"/>
2.3 No. of students	<input type="text" value="03"/>
2.4 No. of Management representatives	<input type="text" value="01"/>
2.5 No. of Alumni	<input type="text" value="01"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="02"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="01"/>
2.8 No. of other External Experts	<input type="text" value="02"/>
2.9 Total No. of members	<input type="text" value="18"/>
2.10 No. of IQAC meetings held	<input type="text" value="04"/>

2.11 No. of meetings with various stakeholders: No. Faculty
Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No
If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level
District Level

(ii) Themes

- Durg District quality circle meeting on Best Practices in Higher Education institutions.
- Durg District Quality circle meeting on Role of IQAC in quality sustenance
- Durg District quality circle meeting on Academic Audit and Quality enhancement
- District level workshop on NAAC Accreditation process.
- District level workshop on New Education Policy
- Institution level workshop on New Education Policy
- Workshop on Digital India campaign.
- Workshop on Demonetization.
- Workshops on preparation for NAAC accreditation conducted at various colleges by the IQAC members of this institution.

2.14 Significant Activities and contributions made by IQAC

- The Durg District Quality Circle was coordinated by the IQAC of the institution, where in three workshop meetings were held on capacity building and Academic Audit respectively.
- The IQAC members of the institute conducted many workshops on preparation for NAAC accreditation at various institutions in the district.
- The IQAC members also extended consultancy services to 33 institutions in the surroundings.
- Obtained and analyzed feedback from all stakeholders & suggestions given by the stakeholders are implemented accordingly.
- Academic Audit of all the departments was done by IQAC & faculty members of the various department are instructed by IQAC and Principal for better improvement.
- SSR Report for NAAC re-accreditation was prepared by IQAC & NAAC Reaccreditation IIIrd cycle was processed.
- College has got A+ grade in IIIrd Cycle of Reaccreditation.
- News letter entitled “*College Samachar*” was prepared by IQAC Members.
- PTSA (Parent Teacher Student Association) is in function in the college.
- Conducted one day workshop for part time/Guest faculty members.
- IQAC motivated faculty members to publish research papers in peer reviewed Journals and apply for major and minor research projects. IQAC provided prescribed formats for projects and other details to faculty members and research scholars.
- College secured first position in Mukhyamantri Panchmukhi Yojana in 2016-17 organized by Department of Higher education, Government of Chhattisgarh for its over all better performance.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Outcome
<p>Curricular aspects :</p> <p>1. Curricula of UG & PG Courses were modified and revised to develop global competence among students. One student member in each board of studies committee of department has been included.</p>	<p>The reforms introduced in the curriculum is well received by the students, as they find it helpful in preparing for competitive exams.</p>

<p>2. New pattern of question paper, containing objective type, short answer and long answer type questions has been introduced from the session 2015-16 in UG and PG classes.</p>	
<p>Teaching, Learning and Evaluation :</p> <ol style="list-style-type: none"> 1. Interactive teaching through 03 new smart class rooms has been started. 2. Lectures on some important topics related to syllabi by our faculty members are made available to students as a e-resources. 3. Submission of study tour report is made compulsory for students after completion of excursion. 4. Seminar presentation through power point is made compulsory in PG classes. 5. Academic Audit of all the departments was conducted with the assistance of external experts. 6. Grading system in PG classes has already in practise. 7. Study centre of Pt. Sundar lal Sharma Open University, Bilaspur is in operation since last year. 	<ol style="list-style-type: none"> 1. Students were motivated towards ICT based learning through smart classrooms, power point presentations. 2. These e-resources are very helpful for students to understand their respective subjects in better way. 3. Study tour/excursion play vital role to understand subjects based on field studies. 4. Through seminar presentation, communication skills of the students is developed. 5. The process of academic audit generated awareness towards quality of education among the staff members. 6. The grading system was effective in reducing the stress level of students and providing relief from peer pressure. 7. The distance learning in the open university has provided easy access to continue pursuing higher education for the dropouts as well as professionals.
<p>Research consultancy and extension :</p> <ol style="list-style-type: none"> 1. To promote research activities IQAC has motivated the faculty to pursue more and more research projects and publish research papers in the journals with high impact factor. 2. To collaborate national and international institutions of high repute. 3. To sign more MoUs for upgradation and exchange of knowledge. 	<ol style="list-style-type: none"> 1. Research project - Major – 03, Minor- 07 2. Publications- International – 86, National- 114 3. Seminar/conferences/workshops attended International – 32, National- 102, State- 23 4. Collaborations – 29 5. Linkages created - 04

	<p>6. Six MoUs have been signed by the departments of Biotechnology, Microbiology and Physics, Mathematics.</p> <p>7. Research Scholars receiving scholarships/fellowships</p> <p>1. Post Doctorate Fellowship – 01</p> <p>2. JRF – 06</p> <p>3. SRF- 02</p> <p>4. Project fellow – 04</p> <p>5.Others – 08</p>
<p>Infrastructure and learning resources :</p> <ol style="list-style-type: none"> 1. To enhance the learning resources the institute plans to construct two more ICT enabled smart class rooms. 2. Refurbishment of labs and class rooms. 3. Construction of hostel for girls and extension of boys’ hostel. 4. Construction of new offices for NSS girls’ wing and Youth Red Cross. 5. Free Wi-Fi campus. 	<ol style="list-style-type: none"> 1. New IQAC room has been established. 2. New seminar hall named after <i>Gajanan Madhav Muktibodh</i> has been established 3. Three New Smart class rooms are provided for Interactive teaching learning & two smart class rooms construction has been started. 4. New reference section for research scholars is established in the central library. 5. Construction of 50 seater girls’ hostel and 100 seater boys’ hostel is under progress. 6. New Computer lab is also under construction. 7. Construction of 14 new class rooms with the fund provided by RUSA is also in progress. 8. New room for NSS girls wing and Youth Red Cross society have been established. 9. Establishment of the Office for the Coordinator of Pt. Sundar Lal Sharma Open University. 10. Free Wi-Fi internet facility is also provided to all students and staff. 11. Intercom Facility for all department has been established.

<p>Student support and progression :</p> <ol style="list-style-type: none"> 1. To establish Help desk and Reception counter for providing complete information to students and parents & Other stakeholders. 2. To provide Scholarship facility and book bank & post metric hostel facility to SC/ST/OBC and economically weak students. 3. To organize more campus interviews. 4. To establish Socio-Psychological counselling cell jointly by department of Sociology and Psychology. 5. To organize various programmes under the banner of Woman cell, SC/ST cell, Training and Placement cell, Literary Activity cell, cultural programme committee & Sports committee, NCC, NSS, Youth Red Cross etc. 6. To provide special facilities in the Girls common room & reading room in the library. 7 To conduct coaching classes for competitive examinations by “<i>Jan Unnayan</i>” , the NGO formed by the faculty members. 8. To organize Alumni and PTA meetings for feedback and suggestions. 	<ol style="list-style-type: none"> 1. The planned proposals were successfully implemented. A help desk & reception counter is established in the College near administrative office. 2. More than three thousand students of UG & PG level received scholarship in 2016-17. Approximately 125 students got admission in College hostel & Post metric hostels. 3. More than a dozen campus interviews were organized in the College by various reputed companies & about 76 students have been selected to these campus interviews. 4. Various students got benefitted by the counselling done by the Professor in-charge of socio-psychological counselling Cell. 5. Various Programmes like Seminars, Workshops, Exhibition, Debate, Essay Competition, Cultural Programmes, Sports activities, Yoga & blood donation camps, NCC,NSS campus were organized for the benefit of the students in the year 2016-17. 6. New furniture, sanitary napkin vending machine, water purifier have been provided in the Girls Common room. Similarly new television set, furniture, E-resources facility & reprographic facilities are provided in the Library to all users. 7. The training programmes and coaching have been instrumental in motivating the students to prepare for competitive exams. A large number of students have got selected through various campus interviews. 8. The Alumni meet and PTA meetings have been fruitful for the overall development of the college. Feedback from regular students, Alumni & Parents have been collected by IQAC & Analysed.
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<p>Innovative and best practices :</p> <p>Innovative practices</p> <ol style="list-style-type: none"> 1. To provide consultancy services to other colleges for preparation of NAAC accreditation, Rusa and other quality related issues. 2. To carry out Academic audit, green audit, energy audit and gender audit of the institution. 3. To organize workshop meetings of Durg District Quality Circle. 4. Environment Consciousness 5. Energy conservation 6. Use of Renewable energy 7. Water harvesting 8. Efforts for carbon neutrality 9. Plantation 10. Hazardous waste management 11. e-waste management 12. Environmental Awareness Campaign during Durga Puja and Ganesh Utsav 13. Academia Community Interface Programme (ACIP) 14. Organization of Sickle Cell Anaemia Testing and Awareness Camps 15. Sickle Cell Anaemia Awareness Programme by Department of Sociology in association with NCC and NSS 16. Free Community Consultancy Services rendered by Department of Geology. 17. Laboratory Training Programme for School Students and Teachers 18. Gyankosh : Audio-Visual Lecture CDs 19. Awareness Drive on Personality 	<ol style="list-style-type: none"> 1. With a view to provide valuable information regarding NAAC accreditation process, academic audit and quality enhancement, IQAC members of the college presented invited talks in more than 65 colleges of Durg, Raipur and Rajnandgaon Districts. 2. Green audit, energy audit, gender audit and academic audit were carried out, so as to make the campus green, gender sensitive and quality conscious. 3. Quality culture among the nearby colleges is enhanced through activities of District Quality Circle. 4. A clean and healthy environment is one of the most desired pre- requisites of the college. To accomplish this, the college emphasizes on adopting some regular practices and bringing environment consciousness to the main and allied campus through various endeavours. 5. Use of energy efficient CFL and LED bulbs in most of the teaching departments, library, seminar- halls and laboratories. 6. Regarding the use of renewable energy the college has made sincere efforts. 7. Rain water harvesting system has been installed in connection of Indoor Badminton Hall. 8. To keep the college green and clean, every year trees are planted and necessary requirements like water, fencing and fertilizers are provided by the college administration as and when needed. 9. Following steps are taken to make our college campus clean and green- <ul style="list-style-type: none"> • To make green a reality, NSS, NCC units along with other students and staff undertake maintenance and plantation of trees in the campus. 10. Efforts are undertaken to reduce the use of plastic bags and bottles in the campus. Waste generated from Microbiology and Biotechnology laboratories (culture media) is auto cleaned and then disposed to drainage system. 11. e-waste is hazardous to the environment and health and it needs to be recycled and disposed in appropriate ways. Every year an awareness campaign and collection drive is
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	<p>Enhancement by Psychology Department</p> <p>20. Poetry workshop by Hindi department</p> <p>21. Awareness Camp on Common Prevailing Diseases.</p> <p>22. Guidance to Farmers by the Department of Zoology</p> <p>23. Adoption of village</p> <p>24. Mentoring of Students Coming from Naxal-affected Area</p> <p>25. Diversity among Staff and Students</p> <p>26. Public Library</p> <p>27. Jail furniture</p> <p>28. Examination invigilators outsourced</p> <p>29. Examination Reform</p>	<p>organized by the college.</p> <p>12. In the state of Chhattisgarh, Durga Puja and Ganesh Utsav festivals are celebrated with full fervor. Keeping all these views in mind the college always encourages students to organize and participate in green and clean initiatives in large number. Devotees are requested to boycott the use of pop idols and the idols made up of artificial toxic colours.</p> <p>13. Many of the departments are involved in this programme, putting their best efforts in an endeavour to translate theoretical knowledge into practice.</p> <p>14. The department of Biotechnology has been running this programme since last ten years in succession.</p> <p>15. To make the rural populace aware of the causes and consequences of Sickle Cell Anaemia, department of Sociology and NCC, NSS unit of the college have jointly organized awareness drive.</p> <p>16. Department of Geology gives consultancy services and expert advise in connection with geological disturbances on earth surface, to District Administration, Durg.</p> <p>17. The departments of Physics, Chemistry, Botany, Zoology, Biotechnology and Microbiology have undertaken this programme with an aim to improve the quality of learning among higher secondary school.</p> <p>18. The college has prepared a series of lecture CDs of the faculty members on various subjects in order to make available some important course content to weaker students of the college in audio-visual form.</p> <p>19. The Psychology department has held awareness drive amongst school students in nearby schools.</p> <p>20. The Department of Hindi organized poetry workshops in nearby higher secondary schools, for college and school students as out-campus activity.</p> <p>21. The Department of Microbiology organized an awareness Camp in Govt. Higher Secondary School, <i>Anjora Dhabha</i> for the students.</p> <p>22. The Department of Zoology organized a camp at <i>Bhatgaon</i>, a village near the district headquarters where the faculty alongwith the PG students provided guidance to the farmers as to how to use pesticides, insecticides and fertilizers in away to lessen</p>
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	<p>the harmful effects and hazards caused.</p> <p>23. With the view to make students aware of the problems of the society and to sensitize them towards community services village <i>Thanoud</i>, 15 kilometers away from district headquarter, has been adopted by the college. Initially a survey, based on various socio-economic parameters, was conducted by the students of the Department of Sociology in four villages.</p> <p>24. Chhattisgarh is one of the worst Naxal-hit state in the country. In 2016-17, the college has admitted 70 students from families affected by Naxal violence. They were enrolled in different courses. The college administration gives special attention towards academic progress of these students.</p> <p>25. The college has a well established record of fostering gender equality among staff members and students.</p> <p>26. For voracious readers and those who are keen towards knowledge acquisition the institution boasts of preserving a rich repository of books, e-books, research journals in its central library.</p> <p>27. The college with an empathetic and magnanimous gesture has taken a lead by providing opportunity to the jail inmates of Durg Central Jail. Rehabilitation and reformation of the convicts is not only the onus of the jail administration, but also can be shared by anyone in the society as a social responsibility.</p> <p>28. The college provides an opportunity to school teachers of the nearby schools by outsourcing them as invigilators during the annual, supplementary and VYAPAM Exams.</p> <p>29. the college has adopted a modified system of evaluation by introducing a package of mixed variety of questions (essay type, short answer type and objective type) both at UG and PG levels in terminal as well as in annual and semester examinations.</p>
<p>Best Practices</p> <p>1. “ACADEMIC MENTORING OF SCHOOLS” (AMS)</p> <p>2. “PROMOTION OF QUALITY CULTURE AMONGST COLLEGES”</p>	<p>1. Academic Mentoring of Schools (AMS) as a practice involves active involvement and engagement with schools. It includes providing mentorship to schools as per their requirements. The practice is aimed at networking with government schools that face various constraints which act as a hindrance in delivering quality education to students.</p>

(PQCC)	2. Promotion of Quality Culture amongst colleges (PQCC) as an initiative was introduced. The desire to build a ' Knowledge Society ' around. The initiative aims at creating quality consciousness amongst colleges in the state.
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** Attach the Academic Calendar of the year as Annexure.*

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

N.A.

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	14	-	01	-
PG	13	-	04	-
UG	03	-	02	-
PG Diploma	01	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	31	-	07	-
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	18
Trimester	-
Annual	05

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

*Please provide an analysis of the feedback in the Annexure

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Reforms and Reframing of Curricula:

- A paper on Environmental Studies and Human Rights is included as Compulsory subject in the UG programme as per UGC guidelines.
- Anthropology can also be opted by both the students of Arts and Science. Similarly, Geology and Industrial Chemistry can be opted by the students of Mathematics and Biology groups at UG level.
- Combination of Economics with Mathematics and Geography along with Chemistry and Botany is under proposal.
- Credit Based Semester System (CBSS) is adopted at PG level. The syllabus is divided in 04 units with a credit distribution of 05 marks per unit.

- College administration has applied to the Department of Higher Education Government of Chhattisgarh for seeking permission to start new job oriented self financing courses like M.Sc. Statistics, Master of Social Work (MSW), Diploma in Oil and Food Technology, Diploma in Tally.

Criterion – II**2. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
82	51	-	29	2

2.2 No. of permanent faculty with Ph.D.

73

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
	11	-	-	-	03	-	-	-	14

2.4 No. of Guest and Visiting faculty and Temporary faculty

16**-****17**

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	23	157	11
Presented papers	23	62	11
Resource Persons	03	19	19

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Most courses in Arts and Humanities predominantly follow the lecture method while the Science and Computer Subjects, as per the demands of the course content give adequate attention to practical and laboratory classes as well.

Interactive Teaching Tools: Apart from the conventional class room interactions, students are engaged in seminar, poster and power point presentation, field and industrial visits. Seminar, project work, home assignments and power point presentations and these are an integral part of the syllabi in all the PG departments.

Socio-economic surveys: These surveys are a part of the project work done by the PG departments in Arts and Humanities. This not only generates a huge database on socio economic scenario, impact of Govt. policies on society and the status of the marginal section of the society, but also provides an opportunity to the students to interact with the society.

Extension activities are a regular feature of the academic societies of the teaching departments, which provide students an opportunity to get connected with the ground realities of the society in the neighbourhood.

The film society of the institute shows films based on social issues, ethics, value-education to enhance the learning experience of the students.

Field and Industrial visits: Field and industrial visits provide opportunity to acquire knowledge and skill to the students so that they could enrich their learning experience.

Enrichment Programmes: The celebration of special days, training programmes, skill development workshops etc. are organized throughout the year apart from the regular classes, which provide an opportunity for the overall development of the students.

AQAR 2016-17

2.7 Total No. of actual teaching days during this academic year

186

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

1. The pattern of question paper at UG and PG level has been reformed. Objective type, Short answer type and long answer type questions have been included.
2. Choice Based Semester System (CBSS) along with Grade system is implemented at PG level.
3. Bar coding and other security measures have been introduced in the mark sheets provided to students under Autonomous scheme.
4. Provision to download the mark sheets from the college website .

2.9 No. of faculty members involved in curriculum

Restructuring /revision/syllabus development

as member of Board of Study/

81

Faculty Development workshop

11

Curriculum Development workshop

32

2.10 Average percentage of attendance of students

75

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Com.I	399	-				83.96
B.Com.II	386	-				76.17
B.Com.III	269	-	34	149	14	73.23
B.A.I	416	-				47.60
B.A.II	273	-				60.44
B.A.III	202	-	13	62	04	39.11
B.Sc.I	956	-				59.94
B.Sc.II	662	-				52.11
B.Sc.III	395	-	111	220	03	84.56
B.C.A.I	49	-				16.33
B.C.A.II	26	-				73.08
B.C.A.III	22	-				31.82
B.Lib & Isc.	21	-	12	06	01	90.49

PG Second Semester Examination Result May-June 2017

S.No.	Subject	Appeared	Passed	Pass (%)
1	Physics	24	23	95.83
2	Chemistry	29	26	89.66
3	Mathematics	-	-	-
4	Botany	24	17	70.83
5	Zoology	29	26	89.66
6	Geology	06	06	100
7	Microbiology	16	11	68.75
8	Biotechnology	21	21	100
9	Hindi	16	10	62.50
10	English	16	07	43.75
11	Economics	07	07	100
12	Geography	20	19	95
13	Political Science	24	20	83.33
14	Sociology	22	22	100
15	History	20	19	95
16	Commerce	-	-	-

PG Fourth Semester Examination Result May-June 2017

S.No.	Subject	Appeared	Passed	Pass (%)
1	Physics	25	25	100
2	Chemistry	25	19	76
3	Mathematics	34	32	94.12
4	Botany	24	22	91.67
5	Zoology	21	20	95.24
6	Geology	07	05	71.42
7	Microbiology	17	16	94.11
8	Biotechnology	18	18	100

9	Hindi	23	20	86.96
10	English	16	15	93.75
11	Economics	11	11	100
12	Geography	21	21	100
13	Political Science	20	19	95
14	Sociology	09	09	100
15	History	14	14	100
16	Commerce	-	-	-
17	PGDCA (II Sem.)	116	93	80.17
18	M.Lib. & I.Sc. (II Sem.)	21	21	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes?

IQAC of the college plays vital role in implementing various measures for over all development of the students. Teaching, learning and evaluation are integral parts of any Higher Education Institution. IQAC of the college has taken the following steps in this connection -

- In the beginning of the academic year, a timetable and an academic calendar are prepared. It is ensured that lectures are engaged by the staff as per the timetable, and they are recorded in academic diaries. The timetable committee, Principal and IQAC monitor the execution of academic, co-curricular and extra-curricular activities and ensure the achievements of learning outcomes.
- Students/ parents/ Alumni feedback.
- Written feedback from external/internal examiners.
- Academic calendar, Teaching plan, and Academic audit.
- Technologies like smart boards, soft wares, Power Point presentation through LCD projectors are used to enhance learning.
- The IQAC of the college releases the performance index of the all the departments through Academic Audit yearly, which functions as a benchmark for ensuring quality in teaching and learning.
- Formal and informal feedback from all the stakeholders is received and analyzed assessing the need; specific measures are taken to reform and reconstruct the curriculum. The popularity and active participation of students in various programmes help in future designing of the curriculum.
- Workshops and seminars on quality education and sustenance are frequently organized in order to get exposure to the emerging trends and strategies for developing the curriculum.
- The department obtains feedback in informal ways from all the stakeholders periodically. IQAC also obtains feedback in a formal format once in a year from both UG and PG students. Informal feedback is also taken from subject experts, with industry personnel who provide valuable inputs for enriching the curriculum.

- A feedback format is designed and developed by College IQAC for students, parents and alumni respectively. The formats get filled and collected by a group of faculty members, an analysis report is made and communicated to the respective departments during meetings.
- There is a provision of Academic Audit in the college. Annual reports are submitted by the departments, which is evaluated by internal as well as external members of IQAC. An evaluative report with numerical markings and indicative measures are communicated to the departments and State govt. of Chhattisgarh by IQAC.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	02
UGC – Faculty Improvement Programme	04
HRD programmes	27
Orientation programmes	02
Faculty exchange programme	04
Staff training conducted by the university	-
Staff training conducted by other institutions	03
Summer / Winter schools, Workshops, etc.	72
Others (DST Inspire Autumn Camp)	01

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	21	02	-	26
Technical Staff	21	03	03	-

Criterion – III**3. Research, Consultancy and Extension**

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- 210 research scholars are pursuing research in 14 departments recognized as research centers by the university in the session 2016-17.
- IQAC has provided necessary information to all faculty members and research scholars regarding fellowships, major and minor research projects, seminars, workshops & refresher & orientation courses in the prescribed formats.
- Faculty members and staff are encouraged by IQAC to publish their research papers in peer reviewed journals with impact factor.
- IQAC played a vital role to publish multi disciplinary peer reviewed research journal entitled “Research Expression” by the college administration.
- Research committee has been constituted on the recommendation of the IQAC in the college to encourage and help researchers.
- A research guidance cell has been established in the college.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	06	01	-	02
Outlay in Rs. Lakhs	50.72 Lakhs	1.86 Crore	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	09	03	-	09
Outlay in Rs. Lakhs	38.75 Lakh	11.02 Lakh	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	38	72	04
Non-Peer Review Journals	16	62	-
e-Journals	07	12	-
Conference proceedings	09	09	-

3.5 Details on Impact factor of publications:

Range **1-6** Average **2.5** h-index **4** Nos. in SCOPUS **06**

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2016	DST, UGC, BARC, CG Medicinal Plant Board	181.76 Lakhs	141.96 Lakhs
Minor Projects	2016	UGC, C-COST	15.75 Lakhs	11.02 Lakhs
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	2016	College	1.00 Lakh	1.00 Lakh
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total			198.51 Lakhs	153.98 Lakhs

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	8	-	01	08
Sponsoring agencies	-	UGC & CREDA	-	RUSA	College

AQAR 2016-17

3.12 No. of faculty served as experts, chairpersons or resource persons

12

3.13 No. of collaborations

International

04

National

06

Any other

05

3.14 No. of linkages created during this year

03

3.15 Total budget for research for current year in lakhs :

From Funding agency

181.76 Lakh

From Management of University/College

3.26 Lakhs

Total

185.02 Lakhs

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist.	College
	-	1. UGC Rajiv Gandhi fellowship – 04 2. UGC Maulana Azad Fellowships-01 3. DST women Scientist award 4. Junior research fellowship -02	CG Young Scientist award- 02	-	-	-

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them**37****210**

3.19 No. of Ph.D. awarded by faculty from the Institution (2016-17)

23

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF

04

SRF

01

Project Fellows

03

Any other

06

3.21 No. of students Participated in NSS events:

University level

04

State level

01

National level

01

International level

-

3.22 No. of students participated in NCC events:

University level	22	State level	06
National level	05	International level	-

3.23 No. of Awards won in NSS:

University level	-	State level	-
National level	-	International level	-

3.24 No. of Awards won in NCC:

University level	02	State level	02
National level	02	International level	-

3.25 No. of Extension activities organized

University forum	-	College forum	33		
NCC	04	NSS	04	Any other	16

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

EXTENSION ACTIVITIES AND INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)

Volunteering in their respective extension activities instills social commitment among students. Every department has its own academic association. The activities of Departmental Associations involve lectures, national and international seminars/conferences and workshops, social awareness campaigns and some interdisciplinary activities. Students are also involved with NCC, NSS and Youth Red Cross Society to fulfill their social responsibility.

Many of the departments are involved in this programme, putting their best efforts in an endeavour to translate theoretical knowledge into practice. Some of the activities carried out under this programme are as follows:

- I. Organization of Sickle Cell Anaemia Testing and Awareness Camps by Department of Biotechnology**
- II. Sickle Cell Anaemia Awareness Programme by Department of Sociology in association with NCC and NSS**
- III. Free Community Consultancy Services rendered by Department of Geology.**
- IV. Laboratory Training Programme for School Students and Teachers**
- V. Gyankosh : Audio-Visual Lecture CDs**
- VI. Awareness Drive on Personality Enhancement by Psychology Department**
- VII. Poetry workshop by Hindi department**

VIII. Awareness Camp on Common Prevailing Diseases.

IX. Guidance to Farmers by the Department of Zoology

X. Adoption of village

XI. Mentoring of Students Coming from Naxal-affected Area.

XII. Diversity among Staff and Students

- **SVEEP- Awareness programme for participative democracy:**

The Systematic Voters' Educational and Electoral Plan (SVEEP) for the Durg district is being conducted and managed by the college. Being the lead college our college was chosen to conduct the district and state level SVEEP programme. The college works in close collaboration with the district authorities and state government, for this programme.

- **Awareness Campaigns for Environmental Initiatives:**

Environment Education and environment awareness is being in focus in every academic institutes. The IQAC of our college organizes special classes for environmental studies for students of all the faculties. The projects based on environmental issues in the neighbouring area are conducted under the supervision of our faculty members.

Formation of Quality Circle among colleges in Durg district

Being the lead Institution of Durg district, the college provides consultancy services to various higher education institutions regarding quality enhancement, NAAC accreditation process etc. through district quality circle. The college organized workshops on quality issues viz. Quality sustenance, Capacity Building, Academic Audit etc.

Laboratory Training Programme for School Students and Teachers

The departments of Physics, Chemistry, Botany, Zoology, Biotechnology and Microbiology have undertaken this programme with an aim to improve the quality of learning among higher secondary school students, by providing them training with respect to conduction of practical and operation of various apparatus and instruments in the laboratory.

Criterion – IV**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	20.25 acres	Nil	Nil	20.25 acres
Class rooms	34	14 under construction	RUSA	48
Laboratories	19	01 under construction	Member of Parliament fund	20
Seminar Halls	02	04	CPE Fund	06
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	19	02	CPE Fund & UGC 12th Plan	21
Value of the equipment purchased during the year (Rs. in Lakhs)	-	5.5 Lakhs.	CPE Fund & UGC 12th Plan	5.5 Lakhs
Others (IQAC Room & Computer Section)	-	01	Janbhagidari Samiti	01

4.2 Computerization of administration and library

Central library of the college is fully computerized. Book surfing, issue and return and all other related process of library are done through computerized process. UGC Soul Software is used in the library. All the books in the library are bar coded. Installation of CCTV Camera in library has been completed. OPAC software is used by the library users for searching of books. Installation of anti theft system is included under future plan of the library. E-resources like Sodh Ganga N-list is available for research scholars and faculty members. Reprographic facility is also available in the central Library.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	90983	30299554	4112	589732	95095	30889286
Reference Books	9781	5061769	811	29726	10592	5091495
e-Books	100000	By N-List	-	-	100000	By N-List
Journals	82	247000	10	32000	92	279000
e-Journals	6000	By N-List	-	-	6000	By N-List

AQAR 2016-17

Digital Database	-	-	-	-	-	-
CD & Video	380	67500	05	2500	385	70000
Others (specify) Braille Books	57	5952	-	-	57	5952

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others (Autonomous Cell)
Existing	298 computers	06	128 computers	Nil	06	05 computers	21	04 computers
Added	40 computers	22	12 computers	-	06	04 computers	05	03 computers
Total	338	28	140	Nil	12	09	26	07

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

<ol style="list-style-type: none"> 1. All Seminar halls & IQAC room are facilitated with LCD projector and Public address system. 2. Central Library of the college is fully computerized. 3. Three new smart class rooms have been established in the college. 4. Free Wi-Fi internet facility is available to all faculty members, non teaching staff, research scholars and regular students of the college. 5. Computer Networking through LAN system is implemented in Central Computer Lab. 6. In all PG departments seminar presentation through power point is made compulsory for PG students. 7. Almost all the UG and PG departments, library, language lab, commerce lab are provided with computer and internet facilities.

4.6 Amount spent on maintenance in lakhs :

i) ICT	1,92,327
ii) Campus Infrastructure and facilities	42,40,285
iii) Equipments	7,83,689
iv) Others	7,30,629
Total :	59,46,930

Criterion – V**5. Student Support and Progression**

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC has created awareness about student support services by adopting following measures in the year 2016-17 :

1. Feedback from students, alumni and parents is collected and analyzed.
2. Special classes for first year students on Environmental Studies have been organized.
3. Motivated various departments to conduct personality development programmes for students.
4. Induction programme for newly admitted students.
5. SMS alert systems, notice board (LFD) and college website for dissemination of information to students has been implemented as suggested by IQAC.
6. Special classes for communication skills have been arranged through IQAC in association with Department of English.
7. Invited Lectures for personality development were organized.

5.2 Efforts made by the institution for tracking the progression

- Feedback from external practical examiners and valuers of theory examinations.
- Regular mock campus interviews & General knowledge test.
- Literary activities, cultural activities and various other extension activities.
- SMS alert system for parents for tracking the progression of their wards.
- Unit test, seminar presentation, terminal examinations and model test exam.
- Analysis of students results by autonomous examination cell.
- Parents-Teachers- Students- Association (PTSA) has been established.
- Group discussion during study tour.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3414	814	210	100

(b) No. of students outside the state

14

(c) No. of international students

Nil

Last Year						This Year (2016-17)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1509	422	446	2124	3	4504	2395	515	573	1330	2	4815

Men	No	%	Women	No	%
	2355	49%		2458	51%

Demand ratio **1:4**Dropout % **2%**

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Training & placement cell of the college is responsible for conducting coaching classes for competitive examinations and invited lectures for personality development & campus interview.
- Besides this, 'Jan Unnayan', an NGO run by the faculty members of the college arranges "Special coaching classes for various competitive examinations like UPSC, PSC, Railway and Bank etc. for regular students of the college at nominal fee. The NGO also provides free coaching to BPL meritorious students. The departments of Biotechnology and Mathematics provide special coaching for NET/ SLET aspirants.

No. of students beneficiaries **32**

5.5 No. of students qualified in these examinations

NET	12	SET/SLET	04	GATE	04	CAT	-
IAS/IPS etc	-	State PSC	17	UPSC	02	Others	32

5.6 Details of student counselling and career guidance

- The College does provide personal enhancement and development schemes for students. During admissions students are guided and advised by a help desk and various admission committees to make the correct choice as per their desires and abilities.
- Induction/Orientation programmes conducted for first year graduation students to acclimatize them to college life and to facilitate smooth transition from school to college life.
- The Departments organize special invited lectures, interdisciplinary lectures and workshops. The aim is to build confidence and provide comprehensive and contemporary knowledge to students.
- The heads and faculty members also contribute by taking special classes to help students as per the need.
- Faculty members are constantly engaged in both academic and personal counseling of the students.
- The institution and all its stakeholders motivate students to participate in various co-curricular and extracurricular activities such as sports, cultural activities, NCC, NSS and Youth Red Cross to ensure all round development in students.
- Specific committees are formed to monitor the personal enhancement measures such as the Training and Placement Cell that keeps students informed about job opportunities, career identification and helps students find proper employment opportunities. Skill Development Scheme Committee has been established to ensure planned efforts at skill enhancement amongst students. Guidance and Counseling Cell as well as Grievance Redressal Cell are also in place to ensure a healthy academic environment, quality of life and well being in students.

- The institution also involves its Language lab, Commerce lab and Computer lab in soft skills development such as Language improvement, understanding financial aspects and transaction and making students technology savvy.
- Library Staff also contributes towards personal enhancement of students by providing them access to a well enriched library where books on general studies, magazines, newspapers are made available. Access to e-books and e- journals is also provided. A Reading room has also been provided and ICT facilities for students as well as research scholars have been upgraded to help them have access to comprehensive knowledge. There is Open Access Catalogue (OPAC) system in library.
- **Training and Placement Cell** has been established and monitors activities related to job notifications and opportunities, interview preparation, development of entrepreneurial skills, organizing of campus interviews besides ensuring maximum participation in campus recruitments and interviews. Training for Mock Interviews and Resume writing provided.

No. of students benefitted

392

5.7 Details of campus placement:

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
16	392	176	232

5.8 Details of gender sensitization programmes

Gender Audit: The institution regularly conducts gender audit to retain gender parity amongst faculty, staff and students.

Salient Findings:

- Percentage of girls is increasing every year both in UG and PG classes. In the year 2016-17, 49% are boys students and 51% girls students.
- Girls student of backward & poor socio-economic classes have bigger share in admission.
- Success rate in examination of girl students is higher than boys.
- Participation of girl students is higher than boys in cultural activities & Sports .

- Student leadership – Seats are reserved for girls as per the norms set by the Department of Higher Education. In the election of Student Union (2016-17) the post of secretary was reserved for girls.
- Faculty– Gender strength in regular teaching staff–
Female staff - 52 and Male staff – 27.

The College has a well constituted Women Cell. It creates awareness for social and ethical issues among students and staff. The Cell also conducts gender sensitizing programmes by organizing lectures and seminars.

Nisha, student of B.Sc. Part III, was selected as the female ‘Gender Champion’ of our college, was felicitated by the college for her outstanding social work related to gender issues.

Apart from this, various committees and cells have also organized programmes such as ‘Save the Girl Child Campaign’, Awareness towards Legal Rights of women, special training programmes for skill development for girls.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	-	-
Financial support from government	3872	9858000
Financial support from other sources	17	2247000
Number of students who received International/ National recognitions	02	569000

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: _____ **NIL** _____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

To empower the youth, especially belonging to the underprivileged sections of society, through quality education by inculcating philanthropic values and enabling them to meet the challenges of the contemporary knowledge-society.

MISSION

To translate the vision into reality the institution is committed to

- Embrace in its fold students from all sections and categories especially addressing to the needs of the first generation learners.
- Expose the students (especially the under-privileged ones) to variety of activities, academic and extra-academic, aiming at their overall development.
- Inculcate humanistic and social values in the students to motivate them towards community services.
- Kindle the entrepreneurial spirit in students.
- Inspire the young minds to develop the habits of critical thinking to achieve Creative Excellence.
- Promote quality research among the teachers and students.
- Sensitize the students on issues relating to ecology, environment, human rights and gender equality.
- Foster global competencies.

6.2 Does the Institution has a management Information System

Our College is implementing computerized Management information system for easy access and maintenance. It includes details of various departments of the college, various courses offered by the college, and information regarding faculty, their salary, student admission, day-to-day attendance, internal marks, examinations, laboratory infrastructure and number of books in the library and so on.

Grants received by the college from central government funded agencies like UGC, DST,C-cost etc and from state government are also available in soft and hard copy in accounts section.

Process of Installation of software regarding management information system is under progress.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Curriculum is a significant aspect of pedagogy as it reflects the inner essence of cognitive process of acquiring knowledge. The institution has taken a lead in this process of imparting education to those who crave for intellectual contentment. Keeping in consonance with its goals and objectives, the institution is incessantly striving to achieve new heights day-by-day. The curricula have been designed and adopted to address and meet local needs as well as globalized technosphere.

The College makes strenuous efforts to supplement the curriculum by organizing academic and co-curricular and extracurricular activities which ensure the effective development of the curricula. Some of the measures for quality sustenance and quality enhancement are as follows:

1. The IQAC of the college releases the performance index of the all the departments through Academic Audit yearly, which functions as a benchmark for ensuring quality in teaching and learning.
2. Formal and informal feedback from all the stakeholders is received and analyzed assessing the need; specific measures are taken to reform and reconstruct the curriculum. The popularity and active participation of students in various programmes help in future designing of the curriculum.
3. Workshops and seminars on quality education and sustenance are frequently organized in order to get exposure to the emerging trends and strategies for developing the curriculum.
4. New self financing, skill based courses have been incorporated into the curriculum based on the feedback and need assessment in the market for job opportunities.

□ **Employability**

Employability is a major consideration in the design and development of the curriculum. Besides core subjects, some job oriented courses like B.Com with Computer Application, BCA, B.Lib. & I.Sc., PGDCA, M.Lib. & I.Sc. are running successfully in college with elevated demands.

□ **Innovation**

Project based learning is made compulsory for PG students for inculcating research culture among them.

- To promote ICT enabled learning, e-notes, e-books and other educational e-resources are utilized by the PG students. They are also oriented towards accessing information highway through internet and present their seminar papers compulsorily through power point.
- An academic calendar is designed to conduct regular academic and other activities of the institution timely.

□ **Research**

- Curriculum is framed to encourage the students to undertake research.
- Project based learning, home assignments and seminar presentations are compulsory components of PG curriculum to motivate and inspire the students towards research.

6.3.2 Teaching and Learning

1. To enrich the knowledge of the students, the college organizes Remedial Special Coaching guest lectures, students' seminars, projects.
2. Students feedback mechanism has also helped to understand issues concerned with students.
3. Experiential learning, participative learning, problem solving methodologies are used. Field trips/ study tours/ Industrial visits/ Sample survey / data collection are organized. Faculty members use latest technologies like power point presentation, video films related to subject, Internet, E resources for effective teaching.
4. The department of English conducts short term workshops and classes in language lab to improve the basic communication skills of the students.
5. Formal and informal counselling is given to the students through PTSA and tutor ward scheme. Special attention has been given to disadvantaged, economically disadvantaged, physically otherwise challenged and slow learners.

6.3.3 Examination and Evaluation

- The proposal for reforms in examination was discussed by the heads of the departments and members of the autonomy cell. The academic council approved such reforms to be implemented by the autonomy cell. Examination reforms introduced are as follows:
 1. Grading system has been introduced.
 2. There have been reforms for question paper pattern (Multiple Choice/ short answer/ Long Answer type questions).
 3. The students are directed to write answers within the prescribed space word limits.
 4. Original answer scripts of internal and photo copy of term end examinations answer sheets are shown to students.
 5. Continuous evaluation of the students is conducted in two steps-Semester Term-End examinations at PG level and Annual examination at UG level. The internal evaluation consists of three major components -
 1. Internal tests
 2. Class attendance
 3. Assignments/ seminar/ surprise test
 4. Terminal Examinations
 5. Model Test Examinations

6.3.4 Research and Development

The salient features of Research and development policy of the College is as below mentioned –

- Research Cell has been established in the College
- Seed money has been provided to young faculty members for minor research projects.
- To encourage faculties to take up various research projects and Paper Publication with better peer reviewed indexed journals with impact factor.
- To sensitize researchers towards societal and local issues.
- To motivate the departments to organize Seminar/ Symposia/ Conferences.
- To encourage faculty members for participation and paper-presentation in various National and International Conferences.
- To motivate faculty members to collaborate with various Research organizations and achieve MOU and symbiotic work.
- To encourage faculties for To undertake editorial and review of paper work of various journals.
- To promote faculties for interdisciplinary and inter institutional work.
- To encourage students for participation and compete in Paper Presentation in National and International Conferences.
- To involve postgraduate students in various research activities for investigation of minor research based problems to accomplish their project work.
- To launch a new multi disciplinary research journal with ISSN number.
- To streamline Post graduate students for various fellowship viz. NET-JRF, GATE, BCIL, Women Scientist Fellowship of DST, DBT etc, Maulana Azad Fellowship, Rajiv Gandhi National Fellowship, Indira Gandhi Fellowship, Post Doctoral Fellowship etc.

6.3.5 Library, ICT and physical infrastructure/instrumentation

Library –

- The College has a well equipped library with more than one lakh books. Besides this, PG teaching departments have departmental libraries. Text books/reference books/ journals/ newspapers/ magazines along with facility of N LIST, Shodh Ganga and other E journals are available to be used by both faculties and students in the central library. The new arrivals in the library are put up as a list in the library notice board. A well developed reading room studded with books for general reading, news papers, current affair etc. motivates students to make use of the library as much as possible. The transaction is automated. Open Access system, Reading room, reference room has also been provided in library with a view to augment teaching learning process. E resources, LED TV and video lectures are also available in the library. Weekly quiz competition is held in the library to enhance the general awareness of the students. Best library user prize is also given every year.

1. Reprographic and free Wi-Fi Internet facility for users in the library.
2. Automation of library is under progress.
3. SOUL software for library automation is available.
4. A Separate Research and Reference section for PG-students, Research scholars and Faculty members is established.
5. To motivate the students and develop their habit to visit library regularly, a weekly quiz is organized.
6. Library premises have a prominent display of clearly laid out floor plan,
 - Adequate signage
 - Easy access to differently abled users
 - A Board for display of new arrivals
 - Four access points to search for books through OPAC
 - Touch Screen Display Unit.
 - Television

ICT - In near future IT policy will be implemented to manage IT services in the Institute. During the session 2016-17, 4950 admitted students have been allotted user ID.

- From time to time the website is updated and monitored by the committee.
- In 2016-17 the Institute has deployed a good number of latest configuration computers under CPE Phase III.
- Wi-Fi facility is available
- Some computers of Administrative Section and the Computers of Computer Lab are connected through LAN.
- Customized developed software is deployed for admissions, exams and results.
- There is a provision of installation of Software, Hardware and Networking.
- LFD display board
- All the Departments have LCD Projectors, Printers and Scanners.

Physical infrastructure- An adequate infrastructure is available to meet the requirement. The details are as follows :

- 52 well ventilated class rooms with sufficient seating capacity and proper electrification & 14 new class rooms funded by RUSA are under construction.
- 03 smart class rooms are available and construction of two smart class room is in progress.
- 03 upgraded seminar halls
- 22 undergraduate and post graduate labs.
- 02 computer labs with 110 computers.
- 01 Language Lab with 16 computers with audio visual facility, LCD, microphones and different software to learn language.
- 08 research - labs.
- 01 Central Instrumentation lab for research work.
- Staff Room – Each department has its own staff room. There is one common staff room with basic facilities.
- 02 Administrative Section
 1. Establishment section
 2. Student welfare section
- Autonomous Cell has three rooms and one strong room with all facilities and security. Separate room for Controller Examination (Autonomous), Examination Control room.
- 01 UGC Cell and IQAC Cell.
- Psycho-Sociological Counselling centre.

6.3.6 Human Resource Management

Various activities have been organized by the college for the overall development of the human resource during 2016-17.

1. Retention of student –profile through tutor ward system , analysis of examination results and student progression.
2. NCC, NSS, Youth Red Cross, cultural committee, literary committee, women cell have organized different competitions and activities to inculcate social responsibility and patriotism among students.
3. Regular parents-teacher-student and alumni meetings were organized.
4. Feedback on teaching performance of the faculty is obtained from students annually.
5. Faculty members participated in national and international conferences and workshops as a part of faculty development programme.
6. Induction programme was organized for new entrants.
7. Faculty, researchers and PG students are motivated towards research and publications.
8. Special workshops for computer training and office management, Yoga were organized for non-teaching employees of the college.
9. DST sponsored Inspire Autumn Camp 2016 has been organized in the month of October.
10. One day workshop was also organized for newly appointed part time and temporary teachers.

6.3.7 Faculty and Staff recruitment

1. Recruitment of the faculty is done by the state govt. Through public service commission
2. Non teaching staff recruitment is done by the state government through complete examination.
3. In order to fulfil the immediate requirement of teaching and non teaching staff, part time and temporary faculty members and supported staff is appointed by state government and Jan Bhagidari Samiti respectively.
4. UGC norms have been followed for all appointments of faculty members.

6.3.8 Industry Interaction / Collaboration

- (A) The flagship programme of "Committee for Industry Academia collaboration "(CIAC) of our college was a one day workshop on "Employment opportunities in the field of solar energy" on 2nd January 2016.
- (B) This workshop covered all the facts and figures regarding the employment opportunities and kind of skills required for availing them. The list of invited speakers included stalwarts in the field like Shri Shailendra Shukla, CEO CREDA and Shri P. Nimonkar, Head, CITCON along with heads of CSIDC Durg and CSSDM are being invited.
- (C) The beneficiaries of the seminar included around 86 engineering students from electrical, electronics, civil branches UG /PG students from pure sciences, PGDCA and students from commerce and management stream.

Workshop on "Employment opportunities in the field of solar energy" :

- (A) The flagship programme of "Committee for Industry Academia collaboration "(CIAC) of our college was a one day workshop on "Employment opportunities in the field of solar energy" in 2016.
- (B) This workshop covered all the facts and figures regarding the employment opportunities and kind of skills required for availing them. The list of invited speakers included stalwarts in the field.
- (C) The beneficiaries of the seminar included around 86 engineering students from electrical, electronics, civil branches UG /PG students from pure sciences, PGDCA and students from commerce and management stream.

6.3.9 Admission of Students

The college website offers information apropos the various courses available, the detailed syllabi and the process of admission. The college prospectus enables the applicants to understand unique features and importance of the institution. The prospectus includes the admission form which provides information about the selection of subjects in the stream in which admission is to be sought, the college profile and to the details about the admission process. The notices regarding admission processes are displayed on the notice boards, displayed board, in addition, newspapers also give wide publicity to the First Year Degree and Postgraduate Degree admission process.

The college ensures transparency in its admission process by displaying the merit list based on the government norms and displaying the list of selected candidates on the notice board and website of the college.

The admission process is conducted as per the university and government rules. It is purely based on merit. The score of the students in the +2 examinations is considered for their admission in the first year. The score of the university examination of the first and second year is taken into account for the admission for the second and third year respectively. The class-wise admission committees are formed every year, which work under the supervision of the Principal. In PG classes, admission is done through counselling and is based on merit. As far as admission in Ph.D programmes are concerned, it is mainly done through the entrance examination conducted by affiliating University that is Pt. Ravishankar Shukla University, Raipur every year. From the current academic year online admission process has been adopted by the college at UG and PG level.

6.4 Welfare schemes for

Teaching Staff	<ol style="list-style-type: none"> 1. Loan facility. 2. Medical reimbursement. 3. Duty leave to attend conference/workshop/training programmes. 4. Maternity leave for women employees and Paternity leave for Male employees. 5. Additional increments after acquiring higher degrees like M.Phil and Ph.D. 6. Free library consultancy and free Wi-Fi internet facility. 7. Staff quarters 8. Encashment of earned leave
Non teaching Staff	<ol style="list-style-type: none"> 1. Loan facility 2. Medical reimbursement 3. Maternity leave for women employees and Paternity leave for Male employees. 4. Staff quarters 5. Festival and grain advance 6. Encashment of earned leave 7. Uniform and Washing allowance to Class IV employees.
Students	<ol style="list-style-type: none"> 1. Merit cum means Scholarships 2. Various Central Government sponsored Scholarships 3. Sports Scholarships 4. ST/SC/OBC/PH scholarships 5. Medical Health Check-up. 6. Language Lab, Computer Lab, Commerce Lab 7. Psychological Counselling Cell 8. Stationary Shops and ATM 9. Common room for girls with essential facilities like sanitary napkin vending machine. 10. Personality development classes 11. Campus placement 12. Remedial coaching for weak students 13. Special classes for slow learners. 14. Free Wi-Fi internet facility 15. Reading room and reference section in Central library 16. Coaching classes for competitive examinations

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	IQAC & External Experts	Yes	IQAC
Administrative	Yes	State Govt.	Yes	By college internal audit committee

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Several Examination reforms have been introduced during last year:

- The proposal for reforms in examination was discussed by the heads of the departments and members of the autonomy cell. The academic council approved such reforms to be implemented by the autonomy cell. Examination reforms introduced are as follows:
 1. There have been reforms for question paper pattern (Multiple Choice/ short answer/ Long Answer type questions).
 2. Grading system has been introduced.
 4. The students are directed to write answers within the word limits.
 5. Original answer scripts of internal and term end examinations and photo copy of main examination answer sheets are shown to students.
 6. Continuous evaluation of the students is conducted in two steps- Semester Term-End examinations at PG level and Annual examination at UG level. The internal evaluation consists of three major components-
 - a. Internal tests
 - b. Class attendance
 - c. Assignments/ seminar/ surprise test
 7. The leadership ensures the commencement of examination and declaration of results timely.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

1. The University provides all the necessary support to college as and when required.

6.11 Activities and support from the Alumni Association

- The College has a registered Alumni association.
- The Association is integrally involved and contributes to the overall development of the college.
- The Association comprises well qualified members who are involved in organizing lectures, grants, sponsoring scholarships and financial assistance to needy students. They are engaged in organizing programs to inspire and motivate students.
- Alumni are also involved in providing funds for infrastructural development and improving learning resources.
- They participate in curriculum development and faculty enrichment programs
- Awareness campaigns and health check up drives have also been conducted by them.
- They are also associated with the Annual Cultural Day celebrations of the college.
- They provide their precious feedback on infrastructure improvement and activities carried out by the institution.

Memorial prizes such as *Asha Sharma* Scholarship and *N.K.Pathak* and *Ashok Sharma* cash prizes are being awarded by the alumni members to meritorious students and to inspire others to follow suit.

6.12 Activities and support from the Parent-Teacher Association

- Parent-Teacher meeting was held for both UG and PG students during the session.
- Parent-Teacher Association plays a major role in ensuring holistic development of students. Various activities undertaken by the Parent-Teacher Association for student welfare and feedbacks provided by them help the institution improve and ensure better deliverance of services for students.

6.13 Development programmes for support staff

- Computer training programmes and health awareness campaign have been organized by IQAC for non-teaching and other support staff.
- All the staff members are encouraged to participate in various activities and upgrade their qualification.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Green Audit of the campus was conducted in the year 2016 -17 by the Department of Botany with the help of external experts.
- Tree plantation campaign was organized by NCC, NSS and Youth Red Cross units of the college in main campus as well as boys hostel campus in 2016-17.
- Paper free work in accordance with **Digital India** campaign is promoted through initiatives like dissemination of information through SMS, Digital display, web site and emails.
- Energy Audit was also conducted in the year 2016-17 with the support of Chhattisgarh Renewable Energy Development Agency (CREDA).
- Botanical garden and a separate garden with medicinal plants are established in the college premises.
- Clean-Green eco friendly campus is the policy of the college.
- Rain water harvesting system has been installed in Indoor badminton hall in association with Department of Geology.

Criterion – VII**7. Innovations and Best Practices**

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. Public library services initiated by the central library.
2. 'Sickle Cell Anaemia Counselling Centre' and 'Socio- Psychological Counselling Cell' established
3. College news letter '*College Samachar*' was released.
4. Orientation programme for newly appointed part time and temporary faculty members.
5. Induction programme for newly admitted students.
6. Establishment of three new smart class rooms and construction of two smart class room in progress.
7. Green calendar of the college has been prepared. World Environment day, Earth day, Ozone layer day, and international Yoga Day have been observed.
8. Weekly quiz competition for students in the central library.
9. A wall magazine '*Abhivyakti*' was launched.
10. Feedback from students, alumni and parents.
11. Introduction of new evaluation pattern that includes mixed variety of questions in UG and PG along with home assignment and seminar presentation through power point.
12. Furniture has been procured supplied by the jail inmates .

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

S.No.	Plan of action decided upon at the beginning of the year	Action taken
1	Online admission in UG and PG classes	Already implemented
2	Construction of Girls hostel	Under progress and construction work is going to complete very soon.
3	Establishment of Smart Class room	Three Smart class room are constructed and two more smart class room are under construction.
4	Establishment of reception/Enquiry counter/help desk in main administrative building.	Reception counter and help desk has been established
5	SMS system for providing information to students	Already developed
6	Online submission of examination forms	Already implemented
7	Identity card/Admission card preparation through computerized software	Already implemented
8	More no. of campus interview for students	25 reputed companies organized campus

		interview in the year 2015-16
9	Enhancement of infrastructure facilities related to academic, sports and cultural activities.	<p>a. Three well equipped seminar halls and smart class rooms are established.</p> <p>b. Construction of 14 new class rooms funded by RUSA is under progress and will be completed soon.</p> <p>c. Construction of 100 seater boys hostel and 50 girls hostel is also under progress.</p> <p>d. A separate garden consisting of medicinal plants in established in college premises.</p> <p>e. Rain water harvesting system has been installed.</p> <p>f. Play ground and Indoor game facilities has been developed.</p> <p>g. New IQAC and UGC Cell room has been established.</p> <p>h. Construction of computer lab sponsored by Member of Parliament is also under progress.</p>
10	Renovation of old laboratories	UG, PG laboratories are upgraded and renovated.
11	Induction programme for newly admitted students	Already implemented.
12	Up gradation of College website	Already implemented.
13	Communication skills/personality development programmes throughout the session.	Various programmes on Communication skills/personality development programmes are organized.
14	Extension activity programmes	Each and every UG and PG department has organized various extension activities like blood donation camp, adoption of village and schools, free practical training to school students, environment awareness campaign, cleanliness drive etc.
15	Orientation programme for Newly appointed teachers	Already implemented
16	Health awareness and computer literacy programme for non teaching employees	Already implemented
17	Health awareness programme and safety awareness campaign for girls	Already implemented
18	Installation of sanitary napkin vending machine in	Already installed

	girls common room	
19	Implementation of new question paper pattern, grading system and syllabi updation	Already implemented.
20	Inter disciplinary research	Started in few departments.
21	MOU with different organizations	Four MOUs have been signed by Department of Physics, Microbiology and Biotechnology.
22	Motivate faculty members and research scholar for more research publication with good impact factor journals and research projects.	Faculty members and research scholars have published more than 50 research papers in international journals and more than 100 research papers in journals of national repute with good impact factor. Similarly 9 faculty members received minor research projects from UGC.
23	To conduct National/International conference in the college	5 National seminars were organized by the college in the session 2016-17.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Best practices I – “ACADEMIC MENTORING OF SCHOOLS” (AMS)

2. Objectives of the practice : An initiative introduced in the year 2011 with the following objectives:

- To promote collaborative engagements between the institution and neighborhood government schools. The networking aims at sharing knowledge and resources with such schools.
- Providing Institutional support and assistance in upgradation and modernization of facilities rendered by the schools and to bridge the gap between the standard of education delivered by higher education institutions and govt. schools.
- To facilitate sustained and active engagement with government schools dealing with poor infrastructure, shortage and quality of teachers and lack of ICT facilities.
- Providing intellectual and material support such as instruments, chemicals, glassware etc. as per the needs to these institutions.
- To help empower schools to deliver in accordance with fast changing requirements of the nation and society.

3. The Context:

The institute in accordance with the Kothari Committee recommendations of 1966 has been a staunch believer in the adage that “the destiny of the country is shaped in the classrooms and laboratories of schools”. Recent times have been a witness to ever increasing concerns about the quality of education being delivered in government schools and the disconnection between school and higher education institutes. Also, over a period of time the institution was witnessing below par students seeking admissions to the college which drew its attention towards the need of urgent intervention in neighboring schools to help upgrade the standard of education being delivered to students.

1. The Practice:

Academic Mentoring of Schools (AMS) as a practice involves active involvement and engagement with schools. It includes providing mentorship to schools as per their requirements. The practice is aimed at networking with government schools that face various constraints which act as a hindrance in delivering quality education to students.

Introduced in the year 2011, the practice involves various departments at an individual level proactively approaching govt. schools in the district and making efforts at understanding the ground necessities of the school. At times schools also directly approach the institution for guidance and help. Detailed discussions and deliberations take place so as to gain clarity as to the nature of help sought and measures to be taken to provide the needful.

Since the introduction of this initiative the college has collaborated with schools for various purposes. Institutional support for infrastructure improvement be it strengthening of laboratories, ICT facilities and introduction of new and latest teaching learning equipments is being provided. A crucial area of concern that has specifically been looked into are measures at strengthening teacher support services in schools via mentoring and peer discussion sessions, training programmes, knowledge exchange programs and free of cost consultancy services to meet the present day requirements of their subjects. As such in the year 2014-15, Computer Science dept. conducted a two day workshop for school teachers at Govt. H.S.School, Deepak Nagar, Durg. Teacher training programmes were also conducted in 5 science departments under the **STAR college scheme of DBT, GOI** and similarly faculty members from the dept. of Physics, Chemistry, Biotechnology and Mathematics collaborated with the District School Education Authority in the year 2015-16 to provide consultancy services to school teachers for knowledge upgradation and improvement in teaching methodologies in Science. It may be noted that during 2011-2015 teacher recruitment drives for vacancies in schools, particularly remote villages were being conducted. Several students passing put from different streams have been joining as *Shiksha Karmis* in these schools. These students are in regular touch with their depts. and frequently seek guidance regarding lab setting, purchase of equipments, curriculum upgradation and so on. Faculty members are also extending their expertise as resource persons in various training programmes organized for school teachers.

Various guidance programmes targeting school students are also being conducted to help them develop a better understanding of their subjects. Dept. of Chemistry in the year 2011-12 conducted various activities for school students to celebrate 'The International Year of Chemistry' and in the year 2013-14 and 2014-15 conducted lectures for class XII students from Govt. H.S. School, Aheri, Sunshine H.S. School station Road, Durg and guided students at Govt. H.S. School, Deepak Nagar (a school adopted by our NGO, Jann Unnayan) regarding Inspire scholarship guidelines.

Awareness drives and lectures being conducted for the benefit of school students are also a regular aspect of this practice. In the year 2012-2013, 'DST sponsored entrepreneurship awareness camp' was held at Govt. H.S. School, Deepak Nagar, Durg by the Career and Placement Cell. Dept. of Biotechnology in the year 2013-14 and 2014-15 conducted Sickle Cell Anemia test and awareness drives at Govt. H.S. School, Khamariya and Govt. H.S. School, Khapri. Similarly, in the year 2014-15, the Dept. of Geology conducted lectures on rain water harvesting and Nepal earthquake disaster, while the Dept. of Microbiology conducted disease awareness camp for preventing prevailing diseases, targeting students from class IX to XII at Govt. H.S. School, Durg in the same year. Dept. of Physics in the year 2015-16 conducted an awareness drive on Digital India and links for online processes at Govt. H.S. School, Thanaud, a village adopted by the college. Also in the same year the Dept. of Zoology conducted an awareness camp for health and hygiene, blood group determination and nutrition in Govt. School, Potia Kala. While the Dept. of Psychology conducted lectures on Personality Development at the Govt. H.S. Girls and Boys school, Sailud, Patan, the Dept. of Botany helped students at Sunshine H.S. School understand practicals on plant physiology, anatomy and cell biology. The Dept. of Computer Science has also been engaged in conducting workshops for school children from time to time as such a seven and two day workshop was conducted for students of Govt. H.S. School, Deepak Nagar on basics of computer in the year 2013-14 and the year 2014-15. The college has also opened its Science laboratories to school students. The effort is aimed at popularizing science among school students who are fast losing interest in these relevant fields. Students on these visits get to interact with expert faculties who assist them in developing better insight and aptitude for science as a subject. Fifty students of Govt. H.S. School, *Aheri, Dhamdha* visited Chemistry lab and got acquainted with latest laboratory instruments being used in Chemistry in the year 2014-15.

A noteworthy endeavor by the Dept. of Mathematics has been the organizing of 'Regional Mathematical Olympiad' funded by the Chhattisgarh Council of Science and technology (CCOST) since 2010, a collaborative effort of the dept. with **Homi Bhabha Centre for Science Education (HBCSE)** and Tata Institute of Fundamental Research (TIFR) for popularizing Mathematics and enhancing numerical abilities amongst school students. The district coordinator of this event is a faculty member of the department. The competition involves participation by students from various schools in the district every year. Workshops for clearing these exams are also being conducted by the department.

The AMS practice thus has been driven by the spirit of fostering a culture of inquiry, thinking and creativity amongst both faculty and students of schools in the district. The endeavor aims at raising the standard of education being delivered hereby and in the process improving the quality of candidates seeking admission to higher education institutes.

4. Evidence of Success:

Over the years this effort at networking with schools has started producing gradual but favourable results. The foremost parameter of gauging this change has been the quality of students seeking admission to the institute that has shown a major improvement over time.

The outcome of our effort has been noticed viz, **Regional Mathematical Olympiad** have been regularly organized by the Department of Mathematics, which resulted in good success rate. In 2015-16, total 619 students were enrolled; among them in first step 36 and in second step 28 students have succeeded. In 2014-15, total 429 students were enrolled, among them in first step 36 and in second step 29 were succeeded. In 2013-14, total 674 were enrolled, among them in first step 36 and in 2nd step 24 were succeeded. Similarly in 2012-13 total 330 students were enrolled, among them in first step 30 and in 2nd step 12 were succeeded.

The Sickle Cell Anemia testing and awareness camp in Govt. H.S. School, *Khamariya* and *Khapri* was another major mentionable feat with 2530 and 226 students being tested for such cases.

The college has also actively been seeking feedbacks from schools where such collaborations have taken place to ensure better and impactful future associations. There has been improvement in performance reported by the school staff for students who have attended lectures by resource persons and experts. Similarly an improvement has been reported in results of practical exams amongst students who have had the opportunity of lab visits and expert interactions and guidance. Increased awareness levels amongst students has also been reported by the school staff for issues raised and discussed amongst them via awareness drives and campaigns undertaken by various departments on specific issues of concern. Schools are also reporting increased interest in science subjects amongst students, an issue that has been given immense importance by the college.

Feedbacks received from schools have most importantly revealed enhanced proactive participation in discussions amongst students and rekindling of the spirit of enquiry amongst them post the initiation of such joint efforts.

5. Problems encountered and resources required:

As the college continues its efforts at such collaborations with schools in its vicinity it also realizes the necessity of addressing certain problems it has been facing.

The foremost issue is the time crunch and time scheduling involved in these activities. Apart from the hectic schedule of academics, research and other college activities, coordinating with schools as per their schedules and time constraints has had its share of difficulties. Certain relaxations and restricting overburdening of colleges involved in such efforts would be a necessary help in this direction.

Similarly, the resource crunch faced by colleges for such activities is an added pressure and acts as an obstacle to colleges pursuing such associations. Specific funds by govt. and other bodies would help cater to such efforts.

Also, it has been noticed that such efforts at networking with schools are severely restricted by ground realities such as distance from the college. Certain relaxations for faculties engaging in such efforts would go a long way in further strengthening these individual efforts being made by departments in this direction.

Finally, it needs to be mentioned that at times motivational level and attitude of cooperation from school administration has not been very encouraging and forthcoming. Govt. directives and advisories to schools can ensure much needed cooperation from schools.

BEST PRACTICE II –**“PROMOTION OF QUALITY CULTURE AMONGST COLLEGES” (PQCC)****3. Objectives:**

Promotion of Quality Culture amongst colleges (PQCC) as an initiative was introduced with the following objectives:

- The desire to build a ‘**Knowledge Society**’ around. The initiative aims at creating quality consciousness amongst colleges in the state.
- The College in recognition of its standing as the First ‘A’ grade college of the state felt its responsibility to guide institutions across the state in achieving similar standards.
- Being one of the oldest institution in the state and having had opportunities to be exposed to quality education across the country, the college felt obligated to pass on this invaluable treasure of accumulated knowledge to the colleges around.
- Being the lead college of the state and having worked closely with the State Quality Assurance Cell the college has had the opportunity to understand the urgent intervention required in colleges to enhance the quality of services being delivered.
- As the premiere college of the state the college also has realized the necessity of pooling of resources and sharing of information amongst colleges to help facilitate the sharing of expertise.

4. The Context:

As the world shrinks into a global village and market economies and social needs drive the education system, information dissemination and sharing of knowledge and expertise has become an urgent necessity amongst institutions. No institution can survive as an island segregated from others in present times. Thriving of a healthy upgraded education system requires resources and expertise.

Keeping in mind such fast paced changes in the requirements of Contemporary Education System the college has been closely associated with other colleges seeking advice, guidance and support to help them understand and introduce changes as per the needs of the hour. As an institution that prides itself with having experienced faculty and latest technology the college realizes its duty towards other colleges and HEIs and as such has been making efforts at reaching out to them.

Over a period of time the concept of vertical transfer of knowledge has gradually paved the way for horizontal movement of knowledge. In accordance, the college has been stepping out of its privileged comfort zone and is reaching out to other institutions in their pursuit of excellence and in developing a culture of quality consciousness amongst them.

5. The Practice:

Being the first ‘A’ Grade College in the State of Chhattisgarh and the lead College in the area, the College has been looked upon by other colleges in the state as an inspiration and mentor. Having had the honour and privilege of being a well recognized institute, the college has over a period of time developed a close association with other colleges through interactions with their administration and staff members. Discussions at various platforms have brought in an understanding and clarity as to the requirements of other institutes.

Being the **Nodal College of Durg district**, our College in coordination with the State Govt. has been assigned the responsibility to look into the administration and academic development of 55 govt. and private colleges in the district. Various outreach and extension measures aimed at quality enhancement and consultancy services are being provided for such purposes in these colleges.

The College in accordance with its motto of developing a 'Knowledge Society' around itself has consistently been organizing workshops and interactive sessions for other institutions. The Internal Quality Assessment Cell (IQAC) of the college has been at the forefront of these efforts. It frequently organizes meetings with other colleges as per directives from the Dept. of Higher education and as per requirements of Rashtriya Uchchar Shiksha Abhiyan (RUSA), a govt. endeavour aimed at improving higher education amongst colleges. The institute and its professors have been essaying an important role in ensuring the success of this mission.

The most appreciated initiative in this direction has been the '**Assessment and Accreditation consultancy**' being provided for neighbouring colleges. Necessary consultancy services regarding NAAC parameters and preparation of Self Study Report (SSR) are being provided to various colleges. In the year 2012-15, around 68 Extension Lectures on NAAC parameters were delivered by IQAC members across these Colleges. The purpose was to remove ambiguity and help them develop clarity towards the accreditation process.

Various efforts at developing strategies and measures for implementation of quality education and quality culture within campuses have also been ensured through the formation of the '**District Quality Circle**' in the year 2012-13. The circle headed by the College meets at regular intervals to ensure mobilization of ideas amongst HEIs that include government-run colleges, grant-aided institutions and private colleges in Durg district. This initiative has also been appreciated by the Commissioner, Higher Education department, Govt. of Chhattisgarh.

2. Evidence of Success:

PQCC as a practice aimed at quality improvement has been recognized as a joint collaborative effort between the govt., lead college and all stakeholders concerned in the long run. Keeping up with this viewpoint, the college has been guiding various colleges across the state towards quality consciousness. Various efforts at enhancing awareness amongst colleges through lecturers and district quality circle meets have made quality enhancement the prime concern for every college. They have now realized the immediate need to get accredited and in the process move towards major institutional qualitative reforms.

The most relevant impact of this practice has been the introduction of a certain amount of discipline and organized functioning amongst colleges be it in terms of maintenance of records or standard of services being delivered. Benchmarking of Quality has become a priority and colleges from the most remote areas of the district have been reporting introduction of similar best practices that aim at qualitative improvements within the campus.

A citable impact of this practice has been the success in motivating and guiding colleges towards NAAC accreditations and assessments. As a result of these efforts, improvements have been witnessed in colleges with 118 colleges having submitted LOI as on 16th February 2016 **post the State level quality assessment cell (SLQAC)** as compared to 28 colleges before the assessment. Presently 20 institutions in the state with LOIs accepted are preparing themselves for external evaluation by the NAAC Peer team within the next few months. Similarly, the number of accredited colleges has risen to 74 in the year 2016 as compared to 21 before the SLQAC.

The most noteworthy achievement in this direction of enhanced quality consciousness has been the steady rise in colleges being awarded 'A' grades in the state. At present, the NAAC team has awarded 04 colleges in the state with this honour, an acknowledgement of the vast improvement on the parameters of quality being noticed in colleges across the state.

1. Problems encountered and resources required:

Though this initiative at quality enhancement amongst colleges has started displaying positive results but efforts at quality improvement by the college has had its share of problems. The most citable issue of concern has been the need for institutionalized reforms being sleeked from colleges. It is a well recognized fact that for any institute to develop a culture of change and quality the change has to be internalized rather than being imposed by an external agent. Extraneous motivation and encouragement is temporal while any permanent change requires inside out changes as such bridging this gap between what is and what ought to be has proven to be the biggest challenge for our college.

Closely linked to our efforts at challenging this inertia in colleges has been the understanding of myriad problems being faced by colleges at the grass root levels. Varied factors such as remote location, resource constraints, and quality of students admitted to the institute, exposure of colleges at various platforms, connectedness with other institutes, willingness of staff members to contribute with time and energy and leadership and governance cooperation all contribute in embedding a culture of quality consciousness within colleges. Each of the cited aspects has a crucial role in sustaining qualitative standards within an institute and the college has had to deal with such issues on multiple occasions.

These challenges being faced by the college in introducing qualitative reforms amongst colleges can be ably supported via directives and advisories by the govt. to colleges emphasizing upon strict measures at quality enhancement, rewards for colleges complying with quality standards and withdrawal of benefits on failing in compliance. The Nodal College also has to be additionally empowered by the government to further the cause and get utmost cooperation from the colleges in its vicinity.

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness/ protection

1. Car pooling has been started by some of faculty members
2. Saplings of medicinal plants were planted in the college premises.
3. Tree plantation programme was organized in the college.
4. Use of polythene bags and other plastic material is prohibited with in the college premises.
5. Energy Audit and Green audit conducted during the session
6. Environment awareness campaign was organized by NCC, NSS, Youth Red Cross, Department of Botany, Chemistry and Geology in and around college campus.
7. Rain water harvesting system has been installed in the college premises.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

SWOC Analysis

Strength

1. A premium higher education institution in the region that has acquired high academic standards which are as follows :

- First college accredited with grade “A+” by NAAC in Chhattisgarh.
- First recipient of CPE grant in the region.
- Faculty of Science recognized as ‘Centre of Excellence’ by Govt. of Chhattisgarh.
- Six departments namely Physics, Chemistry, Mathematics , Geology, Zoology and Sociology, recognized as ‘Star performing departments’ under CPE scheme of UGC.
- Five departments from Science Faculty recognized as ‘Star Departments’ by the Department of Biotechnology, Govt. of India under Star College Scheme.
- One of the twenty institutions shortlisted by UGC invited for providing feedback in order to formulate the ‘National Higher Education Qualification Framework’ (NHEQF).
- Secured first position in the scheme organized by department of higher education Government of Chhattisgarh.

2. Substantial growth in research and publications.
3. Adequate infrastructure with qualified and experienced faculty.
4. Extensive community outreach in neighbouring rural areas.

Weakness

1. Disproportionate teacher-students ratio, especially in UG classes.
2. Few departments offer professional consultancy services.
3. Shortage of classroom at peak hours.
4. Inadequate number of Smart class rooms.
5. Insufficient Alumni network and support.

Opportunities

1. Abounding student intake to be groomed into skilled human resource.
2. Availability of adequate grants/funding from various agencies.
3. Vast surrounding rural populace to be addressed and catered through extension/consultancy services/Outreach activities for qualitative transformation.
4. Demand for skilled human resource in the region to be fulfilled through initiation of recent skill based courses/short term programmes.
5. Vast industrial base in the neighbourhood for developing academia-industry interface.

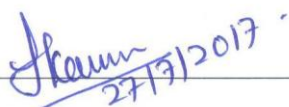
Challenges

1. Stiff competition with private institutions.
2. Weak socio-economic background and poor language proficiency of students.
3. Availability of substandard study material in the market.
4. Introducing new academic programmes with inter-disciplinary and skill oriented approach.
5. Keeping pace with rapid socio-eco-political-technological and environmental changes.

8. Plans of institution for next year

The institute plans to complete the following infrastructural and other developmental initiatives in the following year:

1. Promotion of Inter disciplinary projects and research.
2. Construction of 100 seater boys hostel and 50 seater girls hostel.
3. Construction of 14 new class rooms and virtual class room.
4. Beautification of main college campus, boys' hostel and girls' hostel campus.
5. Construction of new computer lab.
6. Construction of new fitness center and career counseling center in college premises.
7. Renovation of science laboratories.
8. Establishment of more number of smart class rooms.
9. Up-gradation and new designing of college website.
10. Celebrate regional / cultural festivals of Chhattisgarh.
11. Coaching classes for competitive examinations.
12. Implementation of Choice Based Credit System.
13. New question paper pattern in under graduate second year and PG classes.
14. More number of books/journals/e- resources in the library.
15. More campus interviews and personality development/career guidance programmes .
16. To develop Industry Institution Interface for training and placements.
17. Installation of rain water harvesting system in main administrative building of the college.
18. Up-gradation of parking facility.


27/7/2017

Name - **Dr. Jagjeet Kaur Saluja**

Signature of the Coordinator, IQAC



Name - **Dr. S. K. Rajput**

Signature of the Chairperson, IQAC

Academic Calendar for the Session 2016-17

S. No.	Month	Activity	Proposed Dates
1	June	Admission (Principal permission)	15 th June to 31 st July
		Result Annual/ Sem II/Sem IV	30 June
		Applications for Revaluation	Within 15 days from result
2	July	New Session for UG Part I	01 st July
		PG Sem. III	07 th July
		UG Part II, III and PG Sem. I	15 th July
		NCC/ NSS/ YOUTH RED CROSS Enrollments	15 th July
3	August	Induction programme (UG Part I)	First Week
		Supplementary exam	Second Week
		Admission (VC Permission)	1 st -14 th August
		Activities of Study Circle and Literary association	Second Week
		Activities of youth festival, selection completions	As per instructions of Govt.
		Workshops for National Higher Education Qualification Framework	Last week
4	September	Internal assessment test PG Sem. I & III	Second Week
		Extracurricular and Co-curricular Activities	Second Week
		Personality Development Programme	Third Week
		First Quarterly Exams UG	Third Week
5	October	Annual Camp NCC	First Week
		Class Seminar PG	Second Week
		Internal assessment test PG Sem. I & III	Third Week
6	November	Youth Festival/ Rajyotsav	1 st – 10 th November
		Half yearly Exams UG	Second Week
		Practical Exams PG	Third Week
		Semester Exams PG	Fourth Week
7	December	Semester Exams PG	First Week
		Annual Sports	Second Week
		Extracurricular and Co-curricular Activities	Third Week
8	January	New session for Sem II & IV	First Week
		Annual Gathering	Second Week
		Model Exam UG	Third/ Fourth Week
		National Youth Week	12-18 th January
9	February	Annual Practical Exams UG	Second Week
		Internal assessment test PG Sem II & IV	Third Week
		National science Day Celebrations	20-28 February
10	March	Annual Exams UG	First Week
		Internal assessment test PG Sem II & IV	Fourth Week
		Publication of College News letter	Fourth Week
11	April	Class Seminar PG	First Week
		Practical Exams PG	Second Week
		Annual Exams UG Continued	Fourth Week
12	May	Semester Exams PG Sem II & IV	First Week
		Session End	15 th May

GLIMPSES OF ACTIVITIES PERFORMED IN THE COLLEGE DURING 2016-17



Presentation by IQAC Coordinator before NAAC peer team



Personality & skill development programme



Health Awareness programme for Girls



National Workshop in Sociology Department



Tribute paid by NCC Officer & cadets of the College



World Animal Day celebration in the College

GLIMPSES OF ACTIVITIES PERFORMED IN THE COLLEGE DURING 2016-17



International participants present in the International Seminar



Best Sports Person of the College with Principal & Sports Officer



Annual Sports Day Celebration in the College



Extension Activity at nearby Village Dhanora



Campus Selection through Written Test



Durg District Collector Smt. R. Sangeeta presenting her views in Inspire Programme

GLIMPSES OF ACTIVITIES PERFORMED IN THE COLLEGE DURING 2016-17



Annual Cultural function



Digital India Campaign



Awareness Programme for Girls



Parents Meeting



Invited Lecture organized by Department of English



Inauguration of Chemical Society