

ANNUAL QUALITY ASSURANCE REPORT (AQAR)

SESSION 2010-11



**GOVERNMENT E. RAGHAVENDRA RAO POSTGRADUATE
SCIENCE COLLEGE, BILASPUR (C. G.)**

A College with Potential of Excellence

NAAC ACCREDITED B+

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PART – A

To achieve the declared goals and objectives by the institution, the plan of action was chalked out in the beginning of the session towards quality enhancement and the outcome achieved by the end of the session as far possible. IQAC could not be formed hence several steps were taken towards quality enhancement of the institution through various committees constituted at beginning of the session. Plan of action for this session was more or less framed in first general body meeting of the session.

Action Plan for session 2010 – 11:

- ❖ To introduce the courses of Computer application like BCA at Undergraduate level and PGDCA at Postgraduate level.
- ❖ To start the course of M. Sc. Microbiology
- ❖ To establish the department of Microbiology separated from the department of Botany.
- ❖ To complete the entire official processing for construction of Undergraduate laboratory independently for Biotechnology and Microbiology.
- ❖ To renovate the existing laboratory.

Outcome of planned activities achieved in the session:

- The courses of Computer application like BCA at Undergraduate level and PGDCA at Postgraduate level has been started.
- The course of M. Sc. Microbiology has been started.
- However, due to getting permission very late from the university, only 11 students have been admitted in M. Sc. Microbiology, only 02 students have taken admission in PGDCA and no any students could not enrolled in BCA course.
- The entire official processing for construction of two new laboratories has been completed, the amount for this work has also arranged from Self Financing Scheme and the work handed over the local government agency (PWD).
- To start the postgraduate course in microbiology, the department of Microbiology has established separated to the department of Botany.

PART – B

01. Activities reflecting the goals and objectives of the institution:

Reflecting the goals and objectives of the institution various activities were performed in different manners, where so many activities were common however some was specific and targetable.

❖ Common Activities:

- ✓ To proper execution and performing of all activities, different committees were constituted by college administration and discussion action plan was made at the beginning of the session meeting of the staff-council.
- ✓ An effort to reduce the unit cost of students by increasing student's strength.
- ✓ Academic calendar of the college was prepared including examination period for both annual and semester system courses at UG and PG level respectively.
- ✓ As per academic calendar the entire classes of theory & practical mentioned under time table were conducted and course was completed absolutely.
- ✓ Syllabus of each department/subject was prepared/revised/modified by Board of Studies and finally approved by the Academic council.
- ✓ Organization and inauguration of student's council was done for the current academic session and coordination of annual function of the college celebrated by them.
- ✓ Activities of college's unit of NCC, NSS, YRC and departmental society were performed periodically.
- ✓ Guest lectures, intra-departmental and interdepartmental seminars were organized.
- ✓ Theory and practical examination was smoothly conducted.
- ✓ Efforts for infrastructure up gradation, enrichment of library as well as laboratory up gradation were also made.

- ✓ Faculties' members were variously participated in national & international seminars and also published their research articles in national and international journals.
- ✓ Science day celebration\tour to nearby village area with the object of increasing awareness in science was performed.
- ✓ In order to bring out the latent potential of the students various sports events and Cultural programs were organized.

❖ **Specific Activities:**

- The courses of computer application like BCA & PGDCA as a professional course at UG and PG level respectively were introduced.
- As an elective paper entitle 'Plant Breeding & Crop Genetics' in the course of M. Sc. Botany was introduced.
- Efforts to construct the laboratory building for Biotechnology and Microbiology undergraduate course was done and official formalities were completed.

02. New academic programs initiated (UG and PG):

- The BCA programs at UG level and M. Sc. Microbiology at PG level were initiated.

03. Innovations in curricular design and transaction:

- UG syllabus is designed as per as per norms of unified courses purposed by the university governing bodies and government
- The syllabus of postgraduate courses was updated by board of studies as per every year.

04. Inter disciplinary programs started:

- As an 'Add-on Courses' Certificate/Diploma/Advance diploma in Agro Services has been started in this session, whereas such courses in Industrial Chemistry, Industrial Microbiology and Computer maintenance have been continued.

05. Examination reforms implemented:

- Algorithm for Soft-ware development of result processing had been developed. .

06. Candidates who qualified NET/SLET/GATE etc.:

- Two students - Mr. Ram Lakhan Pandey from department of Mathematics and Hemlal Patel of chemistry department were qualified NET.
- SET was not conducted by the state.

07. Initiative towards faculty development program:

- Informative lectures have delivered by senior academicians of national reputes on burning topics of interdisciplinary importance.
- Faculty members are encouraged to participate in various training and research programs.
- Following short term courses have been conducted -
 - Basic computer skills

08. Seminars/ workshops etc. conducted:

- Intercollege seminar competition was conducted on the eve of National Science Day celebration.

09. Research Projects:

- Ongoing** – One Major Research Project under the department of Zoology and **one** Minor Research Project under the department of Physics.
- Completed** - Two Minor Research Project under the department of Physics & Mathematics.

10. Patent generated if any: Nil

11. New Collaborative research programs: Nil

12. Research grants received from various Agencies:

- Rs. 0.8 lac from CRO, UGC, Bhopal.

13. Details of Research Scholars:

- Twelve Research Scholars were doing research work for their Ph. D. degree.
- Botany – 05, Physics – 03, Zoology - 04
- Awarded - 02

14. Citation index of faculty members and impact factor:

- Citation range – 0 to 32
- Impact factor range – 0 to 1.2

15. Honors /awards to the faculty national/international:

- Dr. A. L. S. Chandel, Asstt. Professor, Deptt. of Chemistry had been awarded as the Best District Organizer by NSS division, Chhattisgarh State for his contributory activities in NSS.

16. Internal resources generated:

- Internal resources has generated by the college mainly through Self-financing Scheme. Various subjects are conducting in both UG and PG courses under self-financing scheme.
- Biotechnology, Computer Science, Information Technology and Microbiology – for undergraduate courses.
- M. Sc. Microbiology and PGDCA at Postgraduate level and BCA program at UG level had been started from this session.
- As the internal resources total input – Rs. 2841000=00

17. Details of departments getting assistance / Recognition under SAP, COSIST, (ASSIST) / DST, FIST and other programmes:

Nil

18. Community services:

- Community services were done by the NCC, NSS and YRC unit of the college.
- Students along with faculty members were performed various social services and awareness programs like – Nasha Mukti Abhiyan, Health Awareness programs, Blood donation and Plantation programs.
- In rural areas and schools, lectures were organized on Importance of Science in our life.

19. Teachers & officers newly recruited:

- ✓ The guest teachers were appointed on contractual basis by college' committee following the regulation and criteria made by the Government.
- ✓ Guest teachers appointed for – Biotechnology – 02, BCA – 01, Computer Sc. – 02, Information Technology – 02 and Microbiology – 03.

20. Teaching & Non-Teaching staff ratio:

❖ 1: 1.09

21. Improvement in library services:

- Computerization of library services for college' students and teachers.
- Efforts towards the establishment of Reading room.

22. New books/Journals subscribed and their value:

- ✓ New Books for SC – Rs. 62494=00, for ST – Rs.35600=00
- ✓ New Books and Journals from UGC Grants – Rs. 168545=00

23. Courses in which student assessment of the teachers is introduced and the action taken on the student's feedback:

- Feedback of students was taken just before the completion of the session and action was taken accordingly and confidentially, especially regarding the completion of syllabus under class teaching schedule.

24. Feedback from the stakeholders:

- Feedback of stakeholders was taken during meetings and annual function of the college and summary of such feedback report had been referred for next session action plan/reforms.

25. Unit cost of education:

- ✓ With salary **Rs. 25388.9**
- ✓ Without salary – **Rs. 341.97**

26. Computerization of administration and the process of admissions and examination results, issue of certificates:

- Computer cabin room, 01 photocopy machine installed in the office and admission is done in the month of June and July as per government instructions.

- Agency identified for Software development of office automation and process of examination result

27. Increase in the infrastructural facilities:

- 50% of estimated budget released to PWD for construction of two laboratories

28: Technological Up gradation:

- Up gradation of laboratories, library as well as the college premises had been performed procuring the following equipments
 - Sophisticated equipment procured for different laboratories
 - KIOSK at main entry of the college premises.
 - Library software

29. Computer and Internet access and training to teaching, non-teaching staff and students:

- Computers provided to all PG classes
- Teachers and staff encouraged to use computer for all official work

30. Financial aid to students:

- AS per government norms various scholarships are being given to the students.

31. Activities and support from the alumni Association:

- Suggestion sought from Alumni members on various occasions

32. Activities and support from the parent teacher Association:

Nil

33. Health services (by Red Cross unit):

- Availability of First Aid Box
- Availability of Doctors on call as per requirements

34. Performance in sports activities:

| Name of the Games/Sports | Name of the participants | Level /status of games/sports (Collegiate/University/ Regional/State/National) |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Chess (Men) | Dilip Dewangan (M. Sc. III), Vishal Pratap Singh (B. Sc. I), Purushottam Duby (B. Sc. III), Ashutosh Singh (M. Sc. I), Rupesh Sao (B. Sc. II) | Collegiate |
| Chess (Women) | Ku. Nivedita Pandey (M. Sc. IV), Archana Tiwari (M. Sc. IV), Ku. Yashodhara Dahariya (M. Sc. IV), Shikha Mishra (B. Sc. III), Ku.Arta Soni (B. Sc. III) | Collegiate and State |
| Table Tennis (Men) | Bandhan chatarjee (B.Sc. II), Arijit mukharjee (B.Sc. II), Sudeep chakravarti(B.Sc. II) | Collegiate |
| Badminton (Men) | Bandhan chatarjee(B.Sc. II), Ammir hasan(B.Sc. II) Tinku singh(B.Sc. II) | Collegiate |
| Badminton (Women) | Ku.preksha shukla(B.Sc. II) Ku.shikha singh(B.Sc. II) | Collegiate and State |

35. Incentives to outstanding sports person:

- As per the government norms.

36. Students achievements & Awards:

- Students performing the best in different fields ie. Academic, cultural, Sports, NCC and NSS had been awarded_by the college at the concerned occasion or annual prize distribution ceremony.

37. Activities of the guidance and counseling:

- Teachers are available for the students as and when the need arises.

38. Placement services provided to the students (following students got placement this year):

- Not applicable

39. Development program for non-teaching staff:

- Non-teaching staff is sent to the development programs as per instructions from the government.

40. Good practices of the institution:

- Community services is done by the active participation of teachers and students of NSS, NCC and YRC and these students are available to communities situated in the nearby locality when\ever the need arises.
- Intercollegiate seminar, quiz, debate, Visit to rural area and school under National Science Day Celebration for popularization of science and Chemistry for our live.

41. Linkages developed with national/international/ research bodies:

- Linkage on individual basis established

42. Action taken report on the AQAR of the previous year: NA

43. Any other relevant information the institution wishes to add:

- Dr. R. S. Kher, Professor, Department of Physics had presented his research paper in 16th SSD conference held at Sydney Australia

PART – C


The plan of action as proposed at the beginning of the year was achieved. Good results and performance of the students has attracted many other students also they have enrolled themselves.

- ✓ The result of students was excellent.
- ✓ Postgraduate programs – 100%
- ✓ Undergraduate programs (Maths. Group) – 100%
- ✓ Undergraduate programs (Bio.. Group) – 99.03%

PART – D

- ❖ To motivate more and more students to enroll in this college and guide these students to achieve their goals.
- ❖ To enrichment of laboratories for quality research.
- ❖ To renovate and modernized the classrooms for advanced teaching.

Date: **27/12/2014**
Place: **Bilaspur**


(Dr. B. L. Goyal)
Principal