

The Annual Quality Assurance Report (AQAR) of the IQAC

**Name of the Institution: Jankidevi Bajaj College of Science,
Wardha -442001 (M.S.)**

Year of Report: 2007-08

Part A:

Plan of action chalked out by the IQAC in the beginning of the year (2007-08) towards quality enhancement and the outcome achieved at the end of the year.

Following is the 17 point Plan of action chalked out by the IQAC in the beginning of the year (2006-07) towards quality enhancement and its outcome achieved at the end of the year. (Note: Outcome typed in *italics*.)

1. To start following new courses/program options

B.Sc. Maths, Computer Science, Electronics

B.Sc. Biotechnology, Chemistry, Zoology

B.Sc. Biotechnology, Chemistry, Botany

M.Sc. I (Microbiology)

College has started all these from session 2007-08.

2. To start teaching from the very first day of session for B.Sc. II & B.Sc.III Classes. And immediately after admission for B.Sc.I and M.Sc. Classes. To complete Syllabi before 25th Jan 2008

Teaching started as per the decided schedule. Syllabi completed before 25th Jan 2008.

3. To conduct two Unit tests & one annual test exam for all classes. + Half yearly exam. for B.Sc.I. To conduct tutorial 7 days after the unit test and discuss with students- the problems, methods, way of writing, improvements etc in tests .

This year RTM Nagpur University has started Uni exams much earlier i.e. from Feb.2008. Hence only one unit test could be conducted. Half-yearly exam for all has been conducted. Papers for annual test exams were given to students. Performance of students in test exam has been discussed in the tutorial classes that followed.

4. Students' Seminars for B.Sc.II ,III and P.G. students .
Compulsory assignments for all students .
Seminars and assignments to be conducted from Jan 1 -10.
Students to be fined for not participating in seminars/assignments.

The department wise assignments and seminars were conducted for all the classes.

5. Excursion for U.G, P.G. students in Diwali vacations.

Excursions have been taken in Diwali vacations.

6. To conduct some popular lectures and guest lectures.

Some popular and guest lectures were arranged.

7. To organize workshop on LATEX (A word processor, useful for research paper preparation, as well as other applications) for teachers (around 15) in J. B. C. S. and other affiliated colleges of S.M. . The workshop to be organized by Deptt. of Mathematics & Computer Science

Workshop on LATEX could not be arranged due to time constraints.

8. To install Intercom in all departments.

Intercom facility could not be installed owing to lack of funds.

9. To install a Xerox Machine in college Library.

Owing to lack of funds, Xerox machine could not be installed in college Library.

However the college office's Xerox machine is made available to students through proper channel.

10. Scientific Innovations / Projects / activities to be undertaken.

Minor research projects & Ph. D. to be undertaken.

Seven innovation projects were undertaken and completed.

11. To construct Ladies common room..

Construction of Ladies common room is complete.

12. To arrange Summer coaching for sports.

A Summer Coaching camp has been organised.

- 13 . To construct Biodiversity park / museum of rare plants.

Biodiversity park / museum of rare plants could not be constructed due to lack of funds.

14. New software to be budgeted.

Some new software is purchased.

15. To conduct personality development workshop for students.

A personality development workshop for students and staff by eminent personality Shri. Shyam Manav was organized.

16. Beautification of Mataji's statue and maintaining cleanliness of campus.

Beautification of Mataji's statue is done. Cleanliness of campus is maintained.

17. To get the laboratories approved by university for research work.

Committees from RTM Nagpur Uni. visited the college. Approval from Uni. is awaited.

Part B:

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

The college holds seminars ,workshops, guest lectures and extension activities such as NCC, NSS, CWSS, PEC etc. Work culture is inculcated by conducting cleanliness drives , tree plantation etc. . Teachers participate in conferences workshops and refresher courses.

2. New academic programmes initiated (UG & PG):

B.Sc. Maths, Computer Science, Electronics

B.Sc. Biotechnology, Chemistry, Zoology

B.Sc. Biotechnology, Chemistry, Botany

M.Sc. I (Microbiology)

3. Innovation in curricular design and transaction:

Four faculties are members of Board of Studies of RTM Nagpur Uni. (one faculty is chairman B.O.S.) . They actively participate in designing / modifying the curriculum.

4. Inter-disciplinary programmes started:

Nil.

5. Examination reforms implemented:

Nil. Since the college is affiliated to RTM Nagpur Uni.. Its Exam pattern needs to be followed).

6. Number of Candidates qualified NET/SET :

Nil.

7. Initiative towards faculty development:

Teachers are permitted to go for Orientation/ refresher courses and to join Ph. D. program.

8. Total number of Seminars / Workshops Conducted:

A workshop on 'Micro-scale techniques' was organized by the Chemistry department.

9. Research projects:

a) Newly implemented: b) Completed :

a) Newly implemented: 01

b) Completed : 02 MRPs

10. Patents generated , if any :

Nil

11. New collaborative research programmes:

Nil.

12. Total research grants received from various agencies.

Total Grant sanctioned from UGC for 1 MRPs = Rs. 35 ,000

13. Details of research scholars:

Five teachers are working for Ph.D.

14. Citation index of faculty members and Impact factor:

Nil.

15. Honors/Awards to the faculty:

Dr. K. G. Dube received 'Dalit mitra award' and Ambedkar fellowship.

16. Internal resources generated:

(a) From No-grant courses:

M.Sc.(Botany)	Rs. 4,72,420
M.Sc.(Chem.)	Rs. 6,90,650
M.Sc. (M/B)	Rs. 3,81,830
B.Sc. (Computer Sci.)	Rs. 8,53,375
B.Sc. (Bio-technology)	Rs. 7,52,200

17. Details of departments getting SAP, COSIST(ASSIST) /DST, FIST, etc assistance/recognition:

Nil.

18. Community services:

Community services NSS, NCC, PEC, Teachers-parents meet , CWSS, Vivek wahini.

19. Number of teachers and Officers Newly recruited :

Two teachers have been newly recruited .

20. Teaching – Non-teaching staff ratio:

30 : 55

21. Improvements in the library services.

Open access to PG students. Broad band internet provided to student and staff in the library.

22. No. of new books / journals subscribed and their value:

No. of new books added = 837 . Value Rs. 1,63,593
Journals continued = 25 Value Rs. 25186

23. No. of courses for which students assessment of teachers is introduced and the action taken on student feedback:

Feedback of one-third teachers (14) was taken from students. Strong and weak points of the teacher were brought to his/her notice by the Principal/ Management for improvement.

24. Unit cost of Education:

Unit cost of Education including salary is Rs. 34365 and excluding salary is Rs. 1450.

25. Computerization of administration and the process of admission and examination results, issue of certificates:

Administration, examination results, and issue of certificates: - Not computerized.
The process of admission : Computerized.

26. Increases in the infrastructure facilities:

New Laboratory building for M.Sc. (Microbiology) constructed.

27. Technology upgradation :

New P-IV Computers, Legal software, Printers, purchased.

28. Computer & Internet access & training to teachers & students:

Computer & Internet access and training to teachers & students is available at Computer science Dept. Internet access to teachers & students is available in library also.

29 Financial Aid to students:

Scholarships sanctioned from GOI for all B/C Students and girl students worth Rs. 14,37,005 have been disbursed to 365 students.

30. Activity and Support from Alumni association :

A meeting of Alumni Association was held. A personality development program of Mr. Shyam Manav was organized by the Alumni association.

31. Activity and Support from Teachers Parent association :

Teachers Parent Meet was held on 9th Dec. 2007, in which healthy discussion on teaching learning aspects were held.

32 Health services:

Health Insurance facility is available for all students.

First-aid kits are given to every department.

33. Performance in Sports activities:

07 students represented RTM Nagpur Uni. / State in Inter-University sports.

34. Incentives to outstanding sportspersons:

Tracksuits and travel bags are given to outstanding sportspersons.

35. Students Achievements & Awards:

Five students (Phy 2, Ele. 2, Che. 1) were awarded merit certificate for participating in seminar.

36. Activities of Guidance and counseling unit:

Advertisements were displayed in Library. About 200 students were counseled for career and competitive examinations. A lecture on career guidance by Rajkumar Joshi was organized.

37. Placement services provided to students:

38. Development programme for Non-teaching staff:

LCD Projector operation program for non-teaching staff was arranged.

39. Healthy Practices of the Institution:

- Maintenance of academic diaries by teachers (include teaching plan).
- Review of Academic diaries by HOD and Principal.
- SCR(student cumulative record) diaries for students. Revived by teachers.
- Educational tours.
- Student and staff Participation in social, cultural, curricular and extra-curricular activities.
- Various Committees for these activities.
- Teachers' feedback by students. Reviewed by Principal and management.
- Unit tests, and annual test exam for all classes + Half yearly exam for B.Sc. I
- Work culture is inculcation by conducting cleanliness drives, tree plantation etc.
- Dress code for students.
- Student Aid-fund.
- Extension activities such as NCC, NSS,CWSS,PEC etc.

40. Linkages developed with National / International, academic / Research bodies:

Nil.

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

- G.K. test for all students is conducted every year.
- Nine approved Ph. D. supervisors.
- Nine M.Phil. supervisors to supervised students of open universities.
- Proposal sent to RTM Nagpur Uni. For college labs to be approved for search (Ph.D.) work.

Part C :

Plans of the institution for the next year (2008-09)

1. To start teaching from the very first day of opening of College for B.Sc. II , III and immediately after admission for B.Sc.I and M.Sc. Classes.
2. Test and Terminal examination for Students as per previous year.
3. New proposals for MRP from each dept to be sent to UGC.
4. To arrange guest lectures in various subjects and some popular lectures.
5. Plan to purchase advanced P-IV computers, printers and legal software.
6. Beautification of campus.
7. Sports complex development.

**Name & Signature of the
Coordinator, IQAC**

**Name & Signature of the
Chairperson, IQAC**