

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: 2009-10

Part A:

Plan of action chalked out by the IQAC in the beginning of the year (2009-10) towards quality enhancement and the outcome achieved at the end of the year.

Following is the 18 point Plan of action chalked out by the IQAC in the beginning of the year (2009-10) towards quality enhancement and its outcome achieved at the end of the year. (Note: Outcome typed in *italics*.)

1. To organize student seminars in every subject.

Subject wise student seminars were conducted for all the classes.

No. of seminars delivered by UG students = 257

No. of seminars delivered by PG students = 136

2. To conduct unit test, half yearly exam and annual test exam for all classes.

College conducted these exams for all classes. After the exams, teachers discussed with students regarding problems, methods, way of writing in exams.

3. To give assignments to students.

Subject assignments were given to students and checked by teachers.

4. To arrange Popular lectures and guest lectures.

College arranged following popular and guest lectures in various departments.

Chemistry- Dr. Paliwal, Dr. Berad, Dr Jamode, Amravati

Biotechnology- Dr. Tarak kate, Wardha.

M/B – Dr. Milind Meshram

Botany- Dr. Soham Pandya.

Alumni Association- Dr. Narendra Dabholkar

5. To arrange Educational Excursions for U.G. and P.G. students in Diwali vacations.

Following educational excursions were organised

Chemistry- National Environmental Engg research Instt (NEERI)

6. To provide internet facility to all departments and enhance its use

Internet facility is provided to every department.

7. To invite software requirement from all departments

Office automation software and antivirus software purchased.

8. To undertake Scientific Innovations / Projects / activities.

Ongoing Minor research projects = 4

New proposals for MRPs will be sent to UGC

9. To utilize the UGC XI th plan grants for development of infrastructure, laboratories, and general development.

UGC XI th plan grants has been used for development of infrastructure, laboratories.

10. Construction of woman's hostel

The contruction of woman's hostel will be started in due course of time.

11. To purchase new advanced instruments for laboratories.

Following instruments are purchased in different departments:

Florometer, autoclave (automautic), calorimeter, conductometer, potentiometer, Four probe instrument

12. To improve facilities in library and purchase new books.

College Library has added more than 1064 books in its collection. Total books in library = 33504. It has introduced reprographic facility for benefit of student and staff. Students can access internet facility in library.

13. To enhance sports-activity and arrange Summer coaching in sports.

*15 students were selected in Nagpur University/ Maharashtra state team.
Summer coaching in sports was arranged.*

14. To maintain Academic Diary for teachers.

All the teachers maintained academic diaries.

15. To develop and maintain Botanical Garden and Biodiversity park of rare plants.

Botanical Garden Biodiversity park of rare plants was developed and maintained.

16. To organize a seminar/ research festival.

The college has organized RTM Nagpur University's "Intercollegiate research festival- AVISHKAR-2009" on 27 and 28th Dec. 2009.

17. To promote research work, paper publication, paper presentation.

Six research papers are published.

18. To send Proposal to RTM Nagpur Uni. for college labs to be approved for research work.

Proposal has been sent to RTM Nagpur Uni. For college labs to be approved for research (Ph.D.) work.

Part B:

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

The college holds seminars ,workshops, guest lectures and extension activities through NCC, NSS, CWSS, PEC etc. Some activities are:

National literacy day, Blood donation camp, Ahinsa rally, Sanvidhan din rally, world population day, congress grass eradication program, tree plantation etc.

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

Nil

3. Innovation in curricular design and transaction:

Faculties who are members of Board of Studies of RTMNU, participate actively in designing / modifying the curriculum.

4. Inter-disciplinary programmes started:

Nil.

5. Examination reforms implemented:

Since the college is affiliated to RTM Nagpur University, its Exam pattern needs to be followed.

6. Number of Candidates qualified NET/SET :

Nil

7. Initiative towards faculty development:

Two teachers (Mr. R K Thombre and Mrs. N.P. Mohabansi) completed orientation course. one teacher (Mr. S.H. Bagade) completed refresher course.

8. Total number of Seminars / Workshops Conducted:

The college has organized RTM Nagpur University's Intercollegiate research festival- "AVISHKAR-2009" on 27 and 28th Dec. 2009.

9. Research projects:

a) Newly implemented: b) Completed :

a) Newly implemented: Nil .

b) Completed : 01 MRPs

c) Ongoing : 05 MRP.

10. Patents generated , if any :

Nil

11. New collaborative research programmes:

Nil.

12. Total research grants received from various agencies.

Grant received from UGC for 5 MRPs	= Rs. 5,48,500
Outstanding Grant for 1 MRPs	= Rs. 9,100
UGC Grant for Career oriented Add-on course (Herbs and Herbal products)	= Rs. 10,00,000
Total = Rs. 15,57,600	

13. Details of research scholars:

03 teachers (Bagade, Mohabansi, Chandrakar) are working for Ph.D.

14. Citation index of faculty members and Impact factor:

Nil.

15. Honors/Awards to the faculty:

One faculty, Mr. P.V. Tekade awarded Ph.D. in Chemistry by S. G.B. Amravati University.

16. Internal resources generated:

From No-grant courses:

Course	Receipts	Expenditure	Balance (Rs)
M.Sc.(Botany)	301495	221696	278799
M.Sc.(Chem.)	738856	438575	300281
B.Sc.(C/S)	1127120	341567	785553
B.Sc. (B/T)	1163575	472313	691262
M.Sc. (M/B	762090	546171	215919
Total			2271814

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

Nil.

18. Community services:

The college holds seminars ,workshops, guest lectures and extension activities through NCC, NSS, CWSS, PEC etc. Some activities are:

National literacy day, Blood donation camp, Ahinsa rally, Sanvidhan din rally, world population day, congress grass eradication program, tree plantation etc.

19. Number of teachers and Officers Newly recruited :

Two teachers (R. T. Katre, Miss. M. R. Chandrakar) have been newly recruited .

20. Teaching – Non-teaching staff ratio:

30 : 61

21. Improvements in the library services.

Reprography facility for staff and students.

Open access to PG students.

Bar-coding of Library books.

Computers with internet facility to students and staff.

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

No. of new books added = 1064 . Value Rs. 2,33,150
Journals = 30 Value Rs. 61654

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

Feedbacks of all teachers were 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. 38,663 and
Unit cost of Education excluding salary is Rs. 2044

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

Issue of certificates, TC, bonafied is computerised. Administration, Exam results, salary, GPF, scholarships, IT forms and accounting are computerized.

26. Increases in the infrastructure facilities:

Construction of seven new classrooms is in progress.

27. Technology upgradation:

New Computers, Printers, purchased.

Following instruments are purchased in different departments:

Fluorometer, autoclave (automatic), calorimeter, conductometer, potentiometer, Four probe instrument

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. 16,22,476 has been disbursed to 319 students.

30. Activity and Support from Alumni association :

A lecture on ‘Eradication of Misconception in society’ by Dr. Narendra Dabholkar, a renowned social activist was organized on 30th Oct. 2009 by Alumni association.

31. Activity and Support from Teachers Parent association :

Teachers Parent Meet was held in the college on 6th Dec. 2009. Healthy discussion on teaching learning aspects and required facilities in the college was done. Feedback from parents was taken.

32 Health services:

Health Insurance facility is made available for all students. First-aid kits are given to every department.

33. Performance in Sports activities:

No. of students represented RTM Nagpur Uni. and Maharashtra state in Handball = 02+04 = 06

No of students represented RTM Nagpur Uni. and Maharashtra state in softball = 03+01 = 04

No. of students represented RTM Nagpur Uni. = 04

No. of students represented RTM Nagpur Uni. In Football = 01

Ku. Supriya S Bongade awarded best player of Wardha district by M.S. government.

34. Incentives to outstanding sportspersons:

Tracksuits and travel bags are given to outstanding sportspersons.

35. Students Achievements & Awards:

Ku. Supriya S Bongade awarded best player of Wardha district by Maharashtra state government.

36. Activities of Guidance and counseling unit:

Display of recruitment advertisements of various companies. A talk on 'Triploma in micofinance' , by Dr. Sawar was organized.

37. Placement services provided to students:

Five students selected in 'INOX AIR PRODUCTS' Mumbai, 12 qualified for 'Appolo Tyres' , Baroda.

38. Development programme for Non-teaching staff:

A workshop on 'LCD projector operation' for non-teaching staff was organized.

39. Healthy Practices of the Institution:

- Student and staff Participation in social, cultural, curricular and extra-urricular activities.
- Various Committees for college activities.
- Maintenance of academic diaries by teachers (include teaching plan).
- Review of Academic diaries by HOD and Principal.
- Use of A/V aids for teaching.
- Educational tours.
- Teachers' feedback by students. Reviewed by Principal and management.
- Unit tests, and annual test exam for all classes
- Student Aid-fund.
- Extension activities such as NCC, NSS, CWSS, PEC etc.
- Work culture is inculcated by conducting cleanliness drives, tree plantation etc.
- Dress code for students.
- Remedial teaching in English
- Students seminars.
- Credit society
- Chemical and Botanical societies

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

Nil.

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

- The college is bestowed with “The College with Potential for Excellence (CPE)” by the UGC on 18th Mar. 2010. The college is sanctioned a grant of Rs. 1 crore. for enhancement in academic facilities.
- G.K. test by Shiksha Mandal for all students of the college is conducted every year.
- Earn while learn program.
- Eight approved Ph. D. supervisors.
- Proposal has been sent to RTM Nagpur Uni. For college labs to be approved for research (Ph.D.) work.
- Collaboration with NGOs (Dharamitra, Magan Sangrahalaya, MGIRI) for development of research and knowledge sharing.
- Play ground development from district sport authority.

Part C :

Plans of the institution for the next year (2010-11)

1. Proper Utilization of the grants received under CPE status for enhancement in academic facilities.
2. To enhance research activity, paper publication and presentation.
3. Construction of girl's hostel
4. Construction of M/B lab.
5. To start teaching from the very first day of opening of College for B.Sc. I, II , III and immediately after admission for M.Sc. Classes.
6. To start M.Sc. I in Zoology and Biotechnology.
7. To arrange some popular lectures guest lectures in various subjects.
8. To send new proposals for Major and Minor R.P. to UGC.
9. To organize a national seminar.
10. To send proposals to UGC for career oriented add-on courses
11. To form students-teacher clusters for giving more personal attention to students.
12. Plan to purchase legal software, advanced computers, printers.
13. Plan to purchase advanced equipments in laboratories.
14. Beautification of campus
15. Remedial coaching for weak students.

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

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