

# ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF IQAC

**Name of the Institution:** Ranchi College, Ranchi  
**Year of Report :** 2008-09

**Part A.** What is the plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and what is the outcome by the end of the year?

## **Action Plan**

- ❖ **Academic Improvement**  
Addition of New Courses under existing system  
Redesigning Curriculum.
- ❖ **Evaluation Reforms**  
Strengthening of evaluation system
- ❖ **Faculty Development**  
Emphasis on Faculty Improvement Programmes  
Documentation of Appraisal report  
Recognizing prolonged services of the teaching staff
- ❖ **Technological Reforms**  
Availability of Multimedia projectors
- ❖ **Library Improvement**  
Preparing database of the library books for Library software  
Upgrading departmental libraries  
Reorganizing the reading room of the library
- ❖ **Research Facilities**  
Inculcating and facilitating research temperament among the teachers and students.
- ❖ **Alumni Association**  
Encouragement to engage in different activities like  
Medical checkup camp  
Blood donation camp  
Annual gathering  
Drive to increase number of members
- ❖ **Infrastructural reforms**  
Construction of Additional class rooms

Office Automation  
Extension of Canteen, Common Room and Toilet Facilities  
Providing Health Care Centre  
Improving upon Facilities existing in the classrooms

### **Outreach programs**

Encouragement to join NSS and NCC

#### ❖ **Students Welfare and Facilities**

Plans related to involvement of student representatives in  
Networking and associating with other colleges/institutions  
Inculcating values  
Improvement of ambience

#### ❖ **Other Staff members**

Training of office staff and library staff to acclimatize with the new system  
Recognizing and awarding those who have completed 25 years of service

#### ❖ **Outcome:**

**Received autonomy on 09.01.2009 which inculcated a spirit of motivation to start all the proposed programs**

- **Started designing curriculum**
- **Set up the academic council**
- **Set up of the board of management**
- **All Departments ordered to formulate strategies for the development of the departments**
- **Replacement and addition of furniture wherever required.**
- **Extension of amenities like reading room, common room, lift etc**
- **Structural remodeling of Canteen and toilet**
- **Up gradation of Health Care Centre by providing proper equipment**
- **Various Student Welfare Schemes started.**
- **Up gradation of the Common Room facilities**
- **Students grievance reprisal system strengthened.**

## **B**

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

#### **Activities**

Proposals were evolved for the assessment of students work, the conduct of examination and notification of results  
Proposals to achieve higher standards and creativity modern tools of educational technologies  
Encouragement towards the academic development of the members of faculty and research activities  
Remedial classes for the students who did not do well in the examinations were organized.

Proposals for Organizing workshops, Seminars, Industrial visits, Guest Lectures and Industry-Academia Association development were encouraged.

Starting new vocational courses

Student-Teacher-Parent interaction towards promoting and assisting in Industrial visits, Summer/On-Job Training, Job placements and Entrepreneurship development.

Promotion towards participation in on-campus and off-campus co-curricular and extra-curricular activities both at state and National level

Encouragement to join NCC and NSS.

Promotion of national integration through different academic programs and social Activities

Proposal for Continuous assessment of students performance and timely publication of results

#### **A. TEACHERS PARTICIPATION IN INTERNATIONAL SEMINARS/WORKSHOPS/ CONFERENCES/ SYMPOSIA:**

**Dr. B. Mukherjee, Dr. B. Mahato attended the following international conferences**

International symposium on Biodiversity conservation and management: Cochin University of Science and Technology, Cochin. 2008

#### **B. TEACHERS PARTICIPATION IN NATIONAL SEMINARS/WORKSHOPS/ CONFERENCES/ SYMPOSIA:**

**Dr. B. Mukherjee, Dr. B. Mahato and Dr. N.D. Goswami attended the following national conferences**

1. National Conference on Global warming - Vinoba Bhave University, 2008.
2. National Zoological Congress. Guahati University. 29-31 Dec. 2008 (to be attended)
3. 96<sup>th</sup> Indian Science Congress, North-Eastern Hill University 2008 (to be attended as an invited speaker).

**Dr. A. Choudhary**

1. National conference on environmental science and technology, 2009  
IQAC, Srikakulum
2. National conference on Environmental Pollution and its effect on living organisms, 2009, Aurangabad.

### **Geetanjali Sjngh**

National symposium on Empowerment of Tribal women, UGC, New Delhi, 2009

International conference on Recent Trends in life sciences, VBU, Hazaribagh, 2009.

#### **C. PUBLICATION OF BOOKS/ CHAPTERS:**

- 1. Fundamentals of Environmental Biology: B. Mukherjee: Silverline Publications, Allahabad**

#### **D. PUBLICATION OF PAPERS/ARTICLES IN INTERNATIONAL/ NATIONAL JOURNALS:**

1. Mukherjee, B., Mukherjee, D. and Nivedita, M. 2008: Modelling carbon and nutrient cycling in a simulated pond system at Ranchi. Ecological Modelling (Elsevier), 213 (3-4): 437-448. DOI 10.1016/j.ecolmodel.2008.01.013.
2. Mukherjee, B., Mukherjee, D., and Nivedita, M 2009: Nutrient cycling in a pond ecosystem at Ranchi. J. Environ. Biol. 30 (2/3)2009.
3. B. Mukherjee, B., D. Mukherjee, D., M. Nivedita, M, 2010: Plankton diversity and dynamics in a polluted eutrophic lake. . J. Environ. Biol.
4. S. Kumari and N.D. Goswami, 2009: Qualitative analysis of benthic invertebrates in a lotic water system in Jharkhand. 20<sup>th</sup> All India Congress of Zoology.
5. REM sleep deprivation induced noradrenaline stimulates neuronal and glial Na-k ATPase in rat brain in-vitro and in-vivo studies. Neurochemistry 54(2009), 65-71
6. Histoenzymological distribution of acetylcholinesterase in the pretectum of Indian wall Lizard hemidactylus flviviridi. Proc. Zool.soc. India 8(1): 11-17.

#### **E. TEACHERS AS RESOURCE PERSON**

**F. TEACHERS WHO WERE AWARDED Ph.D. :Nil**

**G. TEACHERS WHO WERE AWARDED M.PHIL.: NIL**

**H. RESEARCH SUPERVISION:**

**Dr. B. Mukherjee  
Dr. V.V.N.Pandey**

**I. PARTICIPATION IN REFRESHER/ORIENTATION COURSE**

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

Proposed to start different UG and PG courses

**3. Innovations in curricular design and transaction:**

After the college became autonomous, all the departments of the college started re-designed the curriculum with two primary objectives

i. to make the curriculum more learner centered and with a global outlook

ii. To incorporate new developments in the subject. Seminars, project work and similar learner's activities were introduced as pedagogical tools.

**4. Inter-disciplinary programs started:**

Not started

**5. Examination reforms implemented: still in the proposal stage**

i. Examination system is fully computerized.

ii. Continuous evaluation system will be done by one mid semester exam in addition to students symposia/ seminar and projects

**6. Number of candidates qualified: NET/SLET: 04**

**7. Total number of seminars/workshops conducted: Nil**

**8. Research projects: 02**

**9. Patents generated, if any: Nil**

**11. Total research grants received from various agencies**

**12lakhs 50 thousand**

**12. Number of research scholars: 6**

**13. Citation index of faculty members and impact factor: 0.6**

**14. Honours/Awards to the faculty:**

**Dr. B. Mukherjee of the Department of Zoology received the Senior Scientist award from the Cochin University of Science and Technology.**

**15. Internal resources generated:**

We generate internal resources under following heads:

- i. Self-financing Courses
- ii. Sponsorships for Annual Function, College Magazine, Departmental Magazine
- iii. Venue for external examinations
- iv. Interest from deposits
- v. Project grants
- vi. Selling of forms

**16. Details of departments getting SAP, COSIST/DST. FIST, etc. assistance/recognition**

Nil

**17. Community services:**

- i. Organized "Sadbhavana Divas" on 20<sup>th</sup> August, 2008
- iii. Participated in PRD Camp ( Pre Republic Day Parade Camp) at Jamshedpur. 25 NSS volunteers participated along with the program officer

**18. Number of teachers and officers newly recruited: 30**

**19. Teaching – Non Teaching staff ratio: 1:1**

**20. Improvement in the library services:**

New Books and Journals have been added. Library books being entered in Computer.

**21. Number of new books/journals subscribed and their value:**

**22. Number of courses for which student assessment of teachers is introduced and the action taken on student feedback: Nil**

**23. Unit cost of education : 3600**

**24. Computerization of administration and the process of admissions and examination results, issue of certificates**

Proposal for computerization of Admission and Exams results

**25. Increase in the infrastructural facilities**

Proposals finalized

**26. Technology up gradation**

Proposals for Technology up-gradation and keep on adding to existing facilities procuring new systems.

**27. Computer and internet access and training to teachers and students:**

Proposals to provide one computer and Internet connection for the smooth functioning of the department .

**28. Financial aid to students:**

Financial aid is provided to the backward and economically backward classes by the state government.

Certain concessions are also provided by the college in their admission and examination fees.

**29. Activities and support from Alumni Association:**

ii. Annual eye checkup camp and blood donation camp was held in the College Hall in collaboration with the medical association of India.

**30. Activities and support from the Parent – Teacher Association**

There is no Parent-Teacher Association in the college. Involvement from the parents is sought for Placements/summer camps/Industrial visits etc.

**31. Health services :**

One doctor visits the college clinic to provide medical service to students and teachers.

One Compounder is there to assist the doctor.

**32. Performance in sports activities****33. Incentives to outstanding sportspersons :**

Leave is granted to sportspersons while practicing and playing matches for the college.

Winners are honoured with medals during the College Day celebrations.

Those students whose performance is exceptionally good are granted free-ship.

In Sports Quota for Admission priority is given to the outstanding sports persons.

**34. Students achievements and awards**

Some Prizes and medals are given to students for outstanding performance in academics. The academic performance of the students has been excellent. Every year some NCC cadets are selected for Republic Day Parade.

**35. Activities of the Guidance and Counselling unit**

There is a counseling cell providing career counseling. Individual departments have their own guidance and counseling units to help the students.

**36. Placement services provided to students: Yes****37. Development program for non-teaching staff :**

Yes (Computer updating course )

**38. Any other relevant information the institution wishes to add:**

**Part C: Explain the plans of the institution for the next year**

The UGC provided the autonomy grant and the college plans to develop both infrastructural and academics in 2010.

Name & Signature  
Co-ordinator, IQAC

Name & Signature  
Chairperson , IQAC