

The Annual Quality Assurance Report (AQAR) of the IQAC Year 2006-2007

Name of the Institution: Aquinas College, Edakochi

Year of Report: 2006-07

Part A

The plan of action chalked out for the year

- To increase number of seminars for faculty improvement
- To offer computer training to teachers and students
- To encourage teachers to take up minor projects
- To motivate teachers to take up research work

Part B

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

All Departments work towards achieving the goal of the institution. The department of Biotechnology and Bioinformatics guide their students in such a way so as to develop and nurture their inquisitive approach, making them capable to pursue a research oriented carrier. The department provides them with trainings and workshop and gives them exposure to different institutions and organizations for the same.

2. **Innovations in curricular design and transaction:** Mathematics Department participated in the curriculum design workshop for B.Sc. degree Mathematics, and BA and B.Sc. subsidiary Mathematics held in Sacred Heart College, Thevara in 2006.

3. Inter-disciplinary programmes started:

An open lab programme for the students up to +2 levels is organized by the Departments of Physics and Electronics.

4. Initiative towards faculty development programme:

No of paper presented : 2

Physics Department paper presented by

1. Prof. K. Raveendranath

2. Prof. Joseph John

Paper published in international journal : 2

Paper communicated : 5

Paper presented at international conference : 3

Paper presented at national conference : 3

Ph.D. registered : 4

5. Total number of seminars/workshops conducted:

a) The Department of Physics conducted :

- Physics show
- Project workshop for +2 schools

b) Seminars conducted during the Year:

- One technical seminars entitled 'Clinical Research and Regulatory Affairs' in association with inter-ed faculty of Clinical Research.
- Two national seminars namely 'Frontier Areas in Science and Technology & Green, Blue and White Revolutions of India' in association with Swadeshi Science Movement.
- Workshop entitled 'Hands on Workshop in Biotechnology' in association with Aristo gene Bioscience Pvt. Ltd.
- Workshop entitled 'Bioprocess technology and Bioinformatics' in association with Lark Training and Research Institute.
- The Department of English conducted a seminar for the final year B.A students of the neighbouring colleges.
- Seminars Attended : National Seminar - Dan Thotakara Memorial National Seminar 28th Feb and 1st March 2007

6. Research projects

a) **Newly implemented:**

- UGC Minor Project : 2 (Undergoing, Department of Physics)

7. New collaborative research programmes:

Department of physics in collaboration with Cochin University of Science and Technology (CUSAT) arranges research activities for students.

Department of Mathematics collaborates with Kerala Mathematics Association (KMA) in revising its syllabus.

Department of Bio-Technology collaborates with 1) Genetika Center for Advanced Studies, Trivandrum-2) Arisogene Pvt. Ltd, Bangalore 3) National Institute of Oceanography,

Regional Center, Kochi for research activities of students

8. Details of research scholars:

Initiative towards faculty development programme. Whenever the college is informed of seminars or workshops, teachers are encouraged to participate in them.

- Five of the students from MSc. Biotechnology published their projects in national level journals.
- A student Anupa Kini (2005 –2007 batch) completed a project on 'Microbiological and Molecular studies for identification of Actinomycetes from sediments' in the Department.

9. Community services:

N.S.S and N.C.C units of the college motivates students to involve in community services

- Socio-economic health survey, poor home/old age home visit, students community contact programme etc. are the main programmes of above mentioned forums. By working in such forums students get opportunities to rejuvenate their social commitments.
- Students under the able leadership of the forums N.C.C and N.S.S extend their services to the society. Various camps are arranged during the academic year so as to provide them with the opportunity to work among the less fortunate ones.
- One month Basic English Course for school students of the locality is conducted by the B.A English students during summer vacations.

10. Teachers and officers newly recruited:

- Department of English : 5
- Department of Economics : 1
- Department of Malayalam : 1
- Department of Hindi : 1
- Department of Commerce : 1
- Department of Mathematics : 2

11. Teaching – Non-teaching staff ratio: 1:1.2

12. New books/journals subscribed and their cost:

Library books purchased : 252

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

Final year Degree of all disciplines. The Principal evaluates the remarks and provides instruction to

teachers if necessary

14. Unit cost of education:

Without Salary: Rs. 2296.55.

With Salary: Rs. 29024.02

15. Computerization of administration and the process of admissions and examination results, issue of certificates: Preparatory stage

16. Increase in the infrastructural facilities:

Sophisticated and ultra-model equipment like PCR (Thermo cycles), UV trans illuminator, Southern blotting systems was added to the infrastructure.

17. Computer and internet access and training to teachers and students:

Teacher in charge of Computer Science gave preparatory classes to Teaching and Non-teaching staff

- Computer Lecturer is administering and conducting classes for students of the cluster College through Aquinas Computer Centre. The classes are arranged outside academic hours and also in weekends. Both academic and Job oriented training is imparted as various courses.
- Assists other departments & college office by provide technical support for conducting classes, exams and other requirements regarding computer & technology.
- Offers assistance in choosing configuration for new computers to purchase and in maintenance trouble shooting for the needy students & staff of the cluster College.
- Also involved in the academic enrichment programmes in the off campus department, Siena College and Avila College.
- As part of the syllabus designed by the department, students of B. A. English study the use of computer in the paper Computer Application for Tutor in English.

18. Financial aid to students:

All statutory financial assistance on socio-economic basis and on the basis of fisher men registration of parents are given to students

19. Activities and Support from the Alumni Association:

Alumni associations are organized by departments

20. Support from the Parent-Teacher Association and its Activities :

Parent teacher association is a strong bonding factor of the institution. It meets very often and shares the concern and plans with the representatives of the executive body. Their presence at the

retirement function college day and any other important event document their interest in the day to day progress of the institution.

21. Health services:

Blood donating camp, Socio-economic health survey, poor home/old age home list, students community contact programme etc. are the main programmes of above mentioned forums. By working in such forums students get opportunities to rejuvenate their social commitments.

22. Performance in sports activities:

Dipilijo of the 2nd Year Mathematics participated in the Kabadi Tournament in the University level. Eugin Sebastian represented the College at the University level Basketball match.

23. Student achievements and awards:

Lavanya George of 3rd B.Sc. Mathematics secured I Rank in Mathematics Degree at the University with flying colours. She scored **1000/1000** in the year 2006. The same year Zeta Paul won the university 3rd Rank in B. Sc. Mathematics with 996/1000 marks. Several awards and cash prizes were secured by them from the department, college, PTA and other agencies.

24. Activities of the Guidance and Counselling Cell :

Students are divided into batches and placed under an able councilor. A part from this guidance and counselling unit departments also give proper guidance to the students to become promising personalities

25. Placement services provided to students:

Placement training and selection programmes are arranged in the college in association with various recruiting agencies. Some of the departments like Physics and Electronics have linkages with institutions that help them in giving training and assistance in project work.

26. Best practices of the institution: Open Window and Open Lab

Part C:

Detail the plans of the institution for the next year:

- To improve commitment towards community better involvement of the college in extension activities was taken up as one of the future plans.
- Involvement of teachers in research activities is also selected as one of the items for the next academic year.