

The Annual Quality Assurance Report (AQAR) of the IQAC 2007-2008

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PART A: The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

Action Plan for session 2007-08

- To get approval of DEC-UGC-AICTE for Distance Education.
- To start ICT Centre at Soami Nagar, Delhi.
- To increase intake in U.G. and P.G. courses by 18% each year for 3 years so as to accommodate 27% reservation for OBC category without reducing the intake of General Category students.

Outcome of planned activities achieved in the session.

- Approval of DEC-UGC-AICTE obtained for nine courses to be run in the Distance Education mode.
- ICT Centre has been established at Soami Nagar, New Delhi with a grant by AADEIs.
- The intake in U.G. and P.G. courses increased by 18%.

PART B:

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

- To establish ICT Centre at Timarni-Rajaborari in order to help the tribals living in that region.
- To start M. Phil. Courses by all departments offering Ph.D. programs.
- To get vocational course material translated into Tamil.
- To Computerize the Library Catalogues.
- To open ICT Center at Timarni-Rajaborari.

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

- Started Diploma in Electronics and Diploma in Ayurveda.
- Started PG Diploma in Pharmaceutical Chemistry and Theology.

3. Innovations in curricular design and transaction:

- Organized Common Courses with IIT Delhi and University of Maryland.
- Permitting Research Scholars to co-opt a guide from Institutes with which an MoU has been signed.
- To organize workshops for revision of Course structure, syllabus and Question banks in various subjects.

4. Inter-disciplinary programmes started:

- Started PGD in Environmental Education by the ACEEFO Department.

5. Examination reforms implemented:

- Computerization of Admission tests and evaluation implemented by private organization. Though the system is successful, it is prone to sabotage as outside persons are involved and the cost is also high. Resolved that software be developed in-house.

6. Number of Candidates, who have qualified in : NET/SLET/GATE etc.

- NET : 16, GATE : 32

7. Initiating faculty development programs:

- Intel-teach course conducted by INTEL for Education Faculty staff aimed at creating Computer awareness in Teacher Educators. 28 faculty members benefitted by this program.
- AADEIs conducted the following courses:
 - Tally – ERP-7
 - Soft Skills
 - UNIX Programming

8. Total number of seminars/workshops conducted:

- 15 (International : 2)

9. Research projects:

- Newly implemented : 04
- Completed : 07

10. Patents generated, if any:

- 00

11. New collaborative research programmes:

- University of Maryland. DST-NSF Project on Solar Hydrogen Production.
- Interaction with TIFR, Mumbai in the project on Astro-particles.

12. Research grants received from various agencies:

- Rs. 108.4 lacs

13. Details of research scholars:

- 178

14. Citation index of faculty members and impact factor:

- | | | | |
|------------------------|-----------|---------|------|
| • Dr. Sahab Das Kaura | Chemistry | IF=3.4 | CI=8 |
| • Dr. Anita Lakhani | Chemistry | IF=1.32 | CI=6 |
| • Dr. J.N. Srivastava | Botany | IF=1.3 | CI=1 |
| • Dr. Prem Kumar Dantu | Botany | IF=1.19 | CI=2 |

15. Honors/Awards to the faculty:

- Dr. Aditya Prachandia (Hindi) received 'Sahitya Shiromani Samman' of Akhil Bharatiya Sahitya Kala Manch, Moradabad.
- Dr. M.M. Srivastava (Chemistry) is elected as, 'FELLOW' of Royal Society of Chemistry 2007, U.K., for his contribution in Green Chemistry.
- Dr. M.M. Srivastava was nominated as Member of National Academy of Sciences, Allahabad.
- Dr. Soami Prakash Srivastava (Economics Dept.) is elected as 'Member of Executive Committee' of U.P. & Uttaranchal Economics Association.
- Dr. Ranjit Kumar (Lecturer, Chemistry at T.C.) became Joint Secretary of Agra Chapter of Bharat Vijnana Parishad. He is nominated as 'M.N.A. Sc.' Of the National Academy of Sciences, New Delhi. He is also elected as 'Fellow' of Society for Environmental Scientists.

- Prof. Sanjeev Swami, (Head, Management) is elected as ‘Member’ of McKinsey On-line Executive Panel. He has been elected as ‘Treasurer’ of Production and Operations Management society International- India Chapter. He has also been invited as ‘VISITING RESEARCHER’ at IIM Bangalore during May-June 2008.

16. Internal resources generated:

- Rs. 21,35,652

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

- SAP : Physics & Computer Science, Chemistry
- FIST : Physics & Computer Science, Chemistry, Zoology, Mechanical Engineering, Electrical Engineering

18. Community services:

- Vocational training to generate earning capacity, held in villages. Examples: Pickle making, Papad making, Soft toys, Stitching etc.

19. Teachers and officers newly recruited:

- Teachers: 5, Officers:3

20. Teaching – Non-teaching staff ratio:

- Teaching staff =180, Non teaching staff =266 Ratio= 1:1.48

21. Improvements in the library services:

- On the demand of Research scholars of Management, Commerce and Economics, License for Prowess database has been purchased.
- Library Catalogue computerization started using the open source software, ‘NEW-GENLIB’. Old data of nearly 7000 books was fed earlier with another software, which failed to meet our needs. This data could be retrieved and converted to the format of this new software without any loss.
- Library has been sanctioned additional funds for more books and furniture.

22. New books/journals subscribed and their cost:

- New Books : Number : 6105, Cost : Rs. 30,27,222/-
- Journal subscription : Rs. 8,71,788/-

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

- Student feedback on Teachers and teaching methods is introduced in all courses in DEI. Feedback is also obtained through Class committee meetings and meetings of AAAC. The Heads of Departments counsel the concerned teachers.
- The students of MBA, M.Com. and research scholars of Economics, Management and Commerce complained that teachers expect the students to access the NET and get Data about several organizations and refer to some latest journals and they are unable to get such information easily. The problem is analyzed and the staff suggested that some commercial Data Base be subscribed. The Institute procured a license for 5 years 'Prowess Data base'.

24. Unit cost of education:

- Rs. 43,271 per year

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

- Accrual System of Accounting Introduced.
- Accounts Section partially computerized.

26. Increase in the infrastructural facilities:

- The following additions and extensions were made during the year in buildings by the Institute:
 - 33 KV Substation, Animal House, Extension of Central Library, Herbal Farm in Dairy, Extension Of Computer Centre. Audio recording Studio developed in the Music Department.

27. Technology up-gradation:

- A Music studio has been carved out in the Arts faculty and state of the art audio and video recording equipment installed.
- In the Chemistry Department, Atomic Absorption Spectroscope, Gas Chromatograph, Mass Spectro-photometer and XRD Spectrometer were installed. Photo Lithography Lab and PCB Labs have been developed in USIC.

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

- AADEIS establishes a cell in DEI to offer short courses on soft Skills, and Computer skills to students and staff members.

29. Financial aid to students:

- Number of Students benefitted : 398
- Total Scholarship amount : Rs. 18,45,721/-

30. Support from the Alumni Association and its Activities:

- AADEIs has established an office in Agra in Nehru Nagar. In order to run short training programs for students of DEI in Soft skills and Computer skills, AADEIs has established a Desk in C.A.O. chaired by Mrs. Poonam Prakash. The courses will be run in collaboration with IIPC.
- AADEIs has constituted a team in Delhi to develop printed course material for the vocational course on 'Modern Office Management'.
- AADEIs has initiated a program of Mentorship for student projects. They will assign expert alumnus one for each project to guide the Engineering students in their Final year projects.

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

- The Institute holds OPEN HOUSE on 31st January every year, which is celebrated as Founder's day. The parents are invited to visit the Institute and meet the teachers where their views are taken into consideration.

32. Health service:

- The Saran Ashram Hospital run by The Dayalbagh Medical Relief Society, which is a non-profit sister organization of DEI, has full fledged medical facilities and give their services, medicines and tests free of cost.

33. Performance in sports activities:

- Regular coaching of Football and Volley Ball started in July and continued upto mid October, while Hockey and Cricket were played from October onwards.
- Competitions of Races, Throws and jumps were organized in January.

34. Incentives to outstanding sportspersons:

- The Institute admission procedure provides for giving incentive of marks to candidates who have excelled in Sports and Games in deciding the merit.

35. Student achievements and awards:

- Debate Competition: The DEI team got the Runners up award at the Inter University debate competition organized by National Council for Cooperative education held at Gandhi Nagar, Gujarat. Km. Bhuvaneshwari Pathak stood second and two others won consolation prizes.

- Mr. Achint Setia won the Best Project Award of Rs. 25,000/- for the project on “Real Time Human Gesture Recognition System”, at the Summer Workshop held at IIT, Delhi in June, 2008.

36. Activities of the Guidance and Counseling Cell:

- The cell for Psychological Counseling established in the Department of Psychology gives free guidance to students facing domestic and psychological problems.

37. Placement services provided to students:

- DEI APAC in collaboration with the Placement Officer and Faculty Placement Coordinators has canvassed with Corporate Heads to select DEI Graduates due to their values and quality of Training.
- The placement position of various faculties are as follows:
 - B.Sc. Engg. - 95%
 - M.B.A. - 84%
 - Diploma - 74%
- To improve placement short courses were conducted on
 - Resume Writing
 - Spoken English
 - Computer Skills
- Mock Interviews were held to train students to boldly face the Interviews
- Training classes were held for civil services every Sunday.

38. Development programmes for non-teaching staff:

- Non teaching staff is given in-house training in Computer Skills and Tally.
- Staff is given permission to pursue higher courses in distance mode.

39. Best practices of the institution:

- DEI has launched 14 vocational courses aimed at enabling the weaker sections capable of earning their bread.
- DEI has taken approval of UGC-DEC-AICTE Committee for offering these courses at various study centers all over India so that the poor need not travel far to get quality education. These centers have been opened at tribal belts and at remote backward regions where there is rampant poverty, unemployment and exploitation.

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

- DEI has signed MoUs with IIT, Kanpur and IIT, Delhi for collaboration in Research and Knowledge Sharing.
- Two Courses, one each in the two semesters have been floated as common courses to be credited by students of both Institutions taught by the faculty of both Institutes.
- Prof. Ashok Agarwal of University of Maryland has conducted a course on 'Operating Systems' and another on 'Computer Networks' in the two semesters of the year.

41. Any other relevant information:

- Nil

PART C: Detail the plans of the institution for the next year.

Action Plan for session 2008-09

- ❖ To start courses in Computer Science.
- ❖ To start innovative integrated programs for bright students.
- ❖ To admit meritorious girls passing Diploma in Electronics in Engineering through Lateral Entry.
- ❖ To increase student intake by 18% in U.G. and P.G. Courses.
- ❖ To start M. Phil. courses as a pre-requisite for Ph.D.

Name & Signature of the Coordinator, IQAC

Name & Signature of the Chairperson, IQAC