

The Annual Quality Assurance Report (AQAR) of the IQAC 2005-2006

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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 2005-06

- To start vocational courses for weaker sections at CART.
- To develop Course material in Tamil for MVM(4 wheeler) course
- To get a wing constructed in Library for journal section

Outcome of planned activities achieved in the session.

- The following vocational courses have been introduced for candidates from weaker sections through CART:
 - Modern Office Management & Secretarial Practice
Minimum Qualifications: Intermediate
 - Motor Vehicle Mechanic (2 wheeler)
Minimum Qualifications: High School
 - Wireman
Minimum Qualifications: High School
- A wing of 300 sq.m. has been constructed in Library for journals section.
- Course material for all 4 subjects of MVM(4 wheeler) course has been translated into Tamil language.

PART B:

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

- Development of Course material for Vocational Courses on IGNOU pattern.
- Translation of books of MVM (four wheeler) into Tamil started with the Help of Tamil students of DEI.
- Development of course material for PG Diploma in Computer Science & Applications on IGNOU pattern started.
- A workshop organized with experts from IGNOU on development of distance education Course material.
- Construction of Library extension started.
- Established Distance education Study Centres at Ludhiana, Rajaborari and Murar for vocational courses.

New academic programs initiated (UG and PG):

- Certificate Level Courses started on
 1. 'Nursing Aides' of 1 yr duration
 2. 'Companion help for Aged and Infirm' of 6 month duration by the Zoology department with help of Medical Relief Society of Dayalbagh and Saran Ashram Hospital.

2. Innovations in curricular design and transaction:

Syllabi of all Courses arranged in 5 units each with the stipulation that end semester question papers be set in such a way that a student has to attempt at least one question from each unit. A one day workshop was organized in December 2005 to develop guidelines. The consensus emerged was that the Question paper shall have 5 questions one from each unit and choice will be there in three of these questions.

3. Inter-disciplinary programmes started:

- Opened specialization in
 1. Electronics
 2. Computer Sciencefor M.Sc. (Physics) students.

4. Examination reforms implemented:

- Admission test computerized using a dedicated software and hardware setup procured from a commercial firm.
- Core course tests of all Distance Mode vocational Courses has been combined and centrally controlled from DEI.

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

- NET : 5, GATE : 35

6. Initiating faculty development programs:

- Dr. K.Santi Swarup has conducted a Management Development program for faculty as well as external participants. 12 staff members and 8 external members participated.

7. Total number of seminars/workshops conducted:

- 7 (International : 0)

8. Research projects:

- Newly implemented : 3
- On-going : 26

9. Patents generated, if any:

- Nil

10. New collaborative research programmes:

- **International**
 1. University of Kiel, Germany
 2. University of Maryland, USA
 3. University of North Carolina, Wilmington
- **National**
 1. Central Institute of Medicinal Plants and Aromatic Plants, Lucknow
 2. Central JALMA Institute for Leprosy, Agra
 3. Solid State Physics Laboratory, DRDO, New Delhi
 4. Indian Institute of Technology, Kanpur
 5. Defence Research and Development Establishment, Gwalior
 6. Aerial Delivery Research and Development Establishment, Agra

11. Research grants received from various agencies:

- Rs. 4.23 cr. Committed for all projects

12. Details of research scholars:

- 142 students registered for Ph.D.

13. Citation index of faculty members and impact factor:

- Dr. Surat Kumar Chemistry IF=3.7 CI=4

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|------------------------|-------------|---------|------|
| • Dr. Anita Lakhani | Chemistry | IF=1.32 | CI=4 |
| • Dr. C.Patvardhan | Engineering | IF=1.2 | CI=2 |
| • Dr. Prem Kumar Dantu | Botany | IF=1.18 | CI=2 |

14.Honors/Awards to the faculty:

- **Prof. S.K. Chauhan**, Deptt. of English, chaired a session in the International Conference on Commonwealth Literature held at IIT, Roorkee.
- **Prof. S.P. Kaushik**, Deptt. of Applied Business Economics chaired a session in the National Seminar on “Marketing Management” organized by Prachi Prestige Institute of Technology and Management at Gwalior.
- **Prof. T.C. Gyanani**, faculty of Education, was invited as a Resource Person in the workshop “To Enhance the Psycho-socio aspect o the SC and ST learners” organized by the Deptt. of Psychology and Education, N.C.E.R.T. Delhi.
- **Dr. D.K. Chaturvedi**, Deptt. of Electrical Engineering worked as a Visiting Research Associate with Dr. O.P. Malik at the Department of Electrical and Computer Engineering, University of Calgary, Alberta, Canada. His performance was rated as “very good”. Dr. Chaturvedi was also awarded the Dr. P.S. Nigam Power Sector Award for his contribution in Research and Development in Electrical Technology during the last five years.
- **Dr. C. Patvardhan**, Deptt. of Electrical Engineering, conducted a training programme for Cadence employees on “Advanced Algorithms” at Cadence Design Systems, Noida.
- **Dr. Rahul Caprihan**, Deptt. of Mechanical Engineering has been nominated as an Associate Editor on the Editorial Board of the International Journal of Flexible Manufacturing Systems, USA (a Springer Journal). He was also appointed an

15.Internal resources generated:

- Rs. 25,20,883

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

- SAP : Physics & Computer Science, Chemistry
- FIST : Physics & Computer Science, Chemistry, Zoology

17.Community services:

- NSS camp held in villages around Dayalbagh for 10 days from 23.12.2005 to 1.1.2006. The villagers were shown street plays teaching about cleanliness, hygiene, and evils of drinking.

- Training programs organized for self employment of village ladies through toy making, stitching and Papad making.

18. Teachers and officers newly recruited:

- Teachers: 3, Officers:1

19. Teaching – Non-teaching staff ratio:

- Teaching staff =183, Non teaching staff =271 Ratio= 1:1.48

20.Improvements in the library services:

- Xeroxing facility provided.
- Acquired more books with special grants.
- Library Catalog was entered on Computer for new books.

21.New books/journals subscribed and their cost:

- New Books : Number : 3523, Cost : Rs.13,21,251/-
- Journal subscription : 16 International and 110 National journals

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

- Student feedback on teaching methods has indicated that some students are not able to cope up. Peer Coaching Classes were held, in which bright students help their weaker class mates. The results were excellent.

23.Unit cost of education:

- Rs. 34,559/- per year

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

- Computer center has been assigned the duty to develop programs for entry of marks and computation of results.
- Training program of 3 days conducted to teach, 'TALLY' to staff of Accounts section.
- DEI Payroll Software was upgraded in-house.

25.Increase in the infrastructural facilities:

- The following additions and extensions were made during the year in buildings by the Institute:
 - REI Dairy Building transferred to DEI for Core courses on Agriculture operations.

26. Technology up-gradation:

- Institute Computer Center acquired 20 new Computers.
- Journalism and Mass Communication Syllabus prepared under guidance of Dr. Madhu Bala Zulka of MBICEM of Delhi.

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

- The work to lay 1GB fiber optic cable started.

28. Financial aid to students:

- Number of Students benefitted : 311
- Total Scholarship amount : Rs. 12,18,245/-

29. Support from the Alumni Association and its Activities:

- The Old students of Management faculty of Dayalbagh Educational Institute organized their annual festival, 'MILAN' and nearly 86 old students have come and had discussions on how to help in placements.
- The meetings of all stake holders held for launching VISION-2011 mission program to raise its status to be one of the 20 top Universities of INDIA by the year 2011. The targets have been fixed.
 - To get 100% placement of all Graduates of Engg and MBM who ever is interested in jobs. Mr. V. Prem Swarup, Managing Director, SRF Ltd. offered to help.

30. 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.

31. 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.

32. Performance in sports activities:

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

33. 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.

34. Student achievements and awards:

- B

35. Activities of the Guidance and Counseling Cell:

- A Counseling cell has been established in Psychology Dept.

36. 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. - 90%
 - M.B.A. - 83%
 - Diploma - 69%
- 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.

37. 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.

38. Best practices of the institution:

- DEI has taken a decision not to increase the fees charged in various courses, and other charges like Hostel Room Rent etc., as many financially weak students find it difficult to pursue higher studies due to high cost of education.

- DEI with help from AADEIs has introduced UGRA (Under Graduate Research Award), to give an amount of Rs.10,000/- each every year as a contingency grant to 4 students of Engineering, who take up Research oriented Projects in their final year.

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

- Collaboration with CEMEF, France. Dr. K. Hans Raj worked at CEMEF Labs for 5 weeks in France on Finite Element Methods application for Mechanical structures.
- DEI has signed an MoU with University of Maryland, College Park, USA for collaboration in Research and Knowledge Sharing.

40. Any other relevant information:

- Nil

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

Action Plan for session 2006-07

- ❖ To add more vocational courses for weaker sections at DEI
- ❖ To increase the intake in Engg. Courses by 50% with due permission of AICTE.
- ❖ To submit proposal for grants for construction of another Girl's Hostel.
- ❖ To start Electronics Diploma for Boys and Girls.

Name & Signature of the Coordinator, IQAC

Name & Signature of the Chairperson, IQAC