

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

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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 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.

Outcome of planned activities achieved in the session.

- The following vocational courses have been introduced for candidates passing Tenth class from weaker sections through CART:
 - Dress Designing and Tailoring
 - Wireman
 - Welder
 - Fitter
 - Turner
- Approval of AICTE has been obtained for an increase in intake by 100% in B.Sc. Engineering for both Electrical and Mechanical branches.
- Proposal for New Girls Hostel submitted and Grants obtained from UGC.
- Approval of AICTE obtained for starting Diploma in Electronic Engineering for an intake of 60.

PART B:

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

- Development of Course material for Vocational Courses.
- MVM (Two wheeler and four wheeler) and MOM&SP.
- To develop course material for PG Diploma in Theology.
- Computerization of Library to be started. To identify the Open Source software which is simple to handle and yet designed to support our work for the next decade.
- To establish ICT Centre at Soami Nagar, Delhi and to equip it so as to facilitate interaction with faculty of IIT, Delhi as envisaged in the MoU signed with IIT, Delhi.

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

- Certificate Level Courses, P.S.T.E., PG Diploma Theology for DEI, PG Diploma in Journalism & Mass Communication, Diploma Leather Technology Footwear (CASD), Garment Technology, I.D.D., Textile Designing, Expand Distance Education.

3. Innovations in curricular design and transaction:

- Course material for vocational courses has been developed to suit the BLENDED mode of Education imparted by DEI which is innovative and is an improved version of the pattern suggested by IGNOU for Distance Education

4. Inter-disciplinary programmes started:

- Opened specialization in electronics for B.Sc. Engineering (Elect.)

5. Examination reforms implemented:

- Admission and Examination and Result declaration systems have been computerized successfully.
- The Examination of all Distance Mode Courses have been synchronized with the regular programs of DEI and same question papers are sent to all centers and exam timings kept same every where.

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

- NET : 13, GATE : 50

7. Initiating faculty development programs:

- AADEIs has opened an office in DEI and organizes short courses regularly for the benefit of staff and students. Some courses are specifically designed for

faculty training and development. The courses offered for faculty development are:

- Soft skills
- Microsoft Office
- Computer Networking

In addition the following program was organized by the Faculty of Commerce on 14.10.2006 under 'Gathering Intellect to Lead Tomorrow' program.

- Workshop on Personality Development.

8. Total number of seminars/workshops conducted:

- 15 (International : 1)

9. Research projects:

- Newly implemented : 13
- Completed : 08

10. Patents generated, if any:

- 01

11. New collaborative research programmes:

- Links with CEMEF, France in the area of Finite Element Methods in Mechanical Engineering.
- Signed MoUs with IIT Delhi for academic collaboration and organization of common courses and research guidance by faculty of IIT as Co-guides.
- Signed MoU with IIT Kanpur for collaboration in the area of Quantum Computing.

12. Research grants received from various agencies:

- Rs. 149.21 lacs

13. Details of research scholars:

- 175

14. Citation index of faculty members and impact factor:

- | | | | |
|------------------------|-----------|----------|------|
| • Dr. Sahab Das Kaura | Chemistry | IF=3.4 | CI=6 |
| • Dr. Anita Lakhani | Chemistry | IF=1.32 | CI=5 |
| • Dr. J.N. Srivastava | Botany | IF=1.182 | CI=1 |
| • Dr. Prem Kumar Dantu | Botany | IF=1.18 | CI=2 |

15. Honors/Awards to the faculty:

- The International body of National Environmental Science Academy (NESA), New Delhi at its XIX Annual Conference held from 16.9.2006 to 18.9.2006 honored the following faculty members of DEI as follows.
 - Dr. K. Maharaj Kumari : Eminent Scientist of the year 2005
 - Dr. Soam Prakash : Scientist of the year 2005
 - Dr. Shobhita Tonk : Junior Scientist of the year 2005
 - Mr. Gavendra Kumar : Junior Scientist of the year 2005
 - Km. Neetu Vyas : Junior Scientist of the year 2005
- Prof. Ranjeet Singh of Engineering Faculty received the 'Ramanna Fellowship' award of DST.
- Dr. Sukh Dev Roy (Physics and Computer Science) received, 'H.C. Shah Research Endowment Prize 2005-06' in Physics by Sardar Patel University, Gujarat.
- Dr. M.M. Srivastava (Chemistry) was honored with, 'Doctorate in Education' by Global Society for health and Education Growth on 9.10.2006.

16. Internal resources generated:

- Rs. 20,88,181

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:

- NSS camp held in villages around Dayalbagh to help in cleanliness and hygiene.
- Training programs organized for self employment of village ladies.

19. Teachers and officers newly recruited:

- Teachers: 6, Officers: 2

20. Teaching – Non-teaching staff ratio:

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

21.Improvements in the library services:

- Xeroxing facility provided.
- Acquired more books with special grants.
- Computerization of Library started.
- An Open Source software, 'NEWGENLIB' has been identified which has been successfully implemented at BHU. This software has been downloaded and installed successfully by Library staff without the need of any external help.

22.New books/journals subscribed and their cost:

- New Books : Number : 6006, Cost : Rs. 33,53,302/-
- Journal subscription : Rs. 12,80,485/-

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 complaint of students that Question Banks be distributed early in the semester is considered and instructions issued to teachers to distribute syllabus and question banks within 3 weeks of the start of Semester.

24.Unit cost of education:

- Rs. 37,554 per year

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

- Examination Section, entry of marks and declaration of result computerized.
- Training program (10 days) run to teach, 'TALLY' to staff of Accounts section.

26.Increase in the infrastructural facilities:

- The following additions and extensions were made during the year in buildings by the Institute:
 - 1.5 lakh Liter Water Tank, Women's Polytechnic Building, Textile Technology Lab, Tannery Building for Leather Diploma, construction of the third wing of Science Faculty completed.

27. Technology up-gradation:

- Institute wide Computer Networking has been upgraded and extended to all faculties.
- Journalism and Mass Communication Lab has been developed under guidance of Dr. Madhu Bala Zulka of Delhi.

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

- All faculties connected to Computer Center through 1GB fiber optic Network.

29. Financial aid to students:

- Number of Students benefitted : 335
- Total Scholarship amount : Rs. 15,18,453/-

30. Support from the Alumni Association and its Activities:

- The Old students of Dayalbagh Educational Institute and its sister organizations have come forward and registered a society named, 'Association of Alumni of Dayalbagh Educational Institutions (AADEIs) in order to help DEI in a big way to achieve its Targets. Dr. Vijai Kumar has been elected as its President.
- DEI has launched VISION-2011 mission program to raise its status to be one of the 20 top Universities of INDIA by the year 2011. The AADEIs has agreed to provide the following support in this mission program:
 - Help in placement of Graduates of DEI. AADEIs formed DEI-APAC (Alumni Placement Assistance Cell) headed by Mr. V. Prem Swarup, Retired Managing Director, SRF Ltd.
 - DEI-APAC will also arrange for Summer Training of Engineering Degree, Diploma and Management students of MBA and BBM.

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:

- Best Thesis Award: The Ph.D. thesis of Dr. Parag Sharma (Physics) has been adjudged as the Best Thesis at the 8th Intl. Conference on Opto-electronics held at Hyderabad from 13 to 16, Dec., 2006.
- Best Team Award: Km. Bhuvaneshwari Pathak and Km. Nihar Mathur were adjudged as the Best Team in the Inter University debate Competition (English) organized by National Council for Cooperative Training on 29th Dec., 2006.
- Km. G. Vinithi got the first prize in the Non-filmy Classical Vocal Music at the All India Music competition held at Delhi on 17.2.2007.
- Mansi Kulshreshtha and Vrishti Kaura of B.Sc. (Hons.) won the World Bank's India Development Marketplace Award 2007 of US\$ 20,000 for their project on purification of water from Fluorides.

36. Activities of the Guidance and Counseling Cell:

- A cell for Psychological Counseling is established in the Department of Psychology for students

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. - 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.

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 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.

40. 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.

41. Any other relevant information:

- Nil

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

Name & Signature of the Coordinator, IQAC

Name & Signature of the Chairperson, IQAC