The Annual Quality Assurance Report (AQAR) of the IQAC
2011-2012

Name of the Institution	:	Dayalbagh Educational Institute
Name of the Head of the Institution	:	Prof. V.G. Das

Ph. No. Office: 0562-2801545 **Residence:** 0562-2570760

Mobile: 08755172019 **e-mail:** deidirector@gmail.com

Name of the IQAC Coordinator	:	**Dr. Ratan Saini**

Ph. No. Office: 0562-2801545 **Residence:** 0562-3251897

Mobile: 09319102047 **e-mail:** ratansaini@dei.ac.in

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 2011-12
- To file application for reaccreditation to NAAC.
- To draft VISION-2031 program.
- To reserve 15 seats in B.Sc. Engineering (Elect.) for admission to girls.
- To start Civil Engineering Diploma and Architecture Assistant programs.

Outcome of planned activities achieved in the session.
- For reaccreditation of Dei by NAAC, the Self Study Report has been prepared as per the available guide lines in Feb., 2012. But, the NAAC has discontinued the old FORMAT and a new FORMAT of SSR is uploaded on 9.5.2012. It is now proposed to submit the application on new FORMAT in September, 2012.
- A very ambitious 20 year plan has been drafted for the VISION-2031 program of DEI. In order to get the views of top academicians a series of Seminar workshops were organized in DELHI, MUMBAI, PUNE, BANGALORE, CHENNAI and HYDERABAD in June 2011. The final draft plan consists of 4 modules of Five years each and is designed catapult the Institute to an International status.
- The Academic Council accepted the recommendation of Dean Engineering to reserve 15 seats in B.Sc. Engineering (Elect.) for admission to girl candidates.
- The AICTE has given its approval to start the Diploma programs of Civil Engineering and Architecture Assistantship with an intake of 60 each.

PART B:

1. **Activities reflecting the goals and objectives of the institution:**
    - To introduce Bar-coded Library cards permitting interfaculty issue of books.
    - To introduce specialization in Plant & Microbial Bio-technology for M.Sc. (Botany).
    - To apply for AICTE approval for Civil and Architecture Diploma.
    - To plan utilization of e-waste.

2. **New academic programs initiated (UG and PG):**
    - Started PGDEBT in Botany Dept. and PGDSHE in LLLE Dept.
    - To align vocational courses with NCVT.
    - To start L1 to L3 programs of AICTE under NVEQF scheme in class 9 to Diploma.

3. **Innovations in curricular design and transaction:**
    - To develop e-DEI-de program.
    - To introduce Cooperative MBA program.

4. **Inter-disciplinary programmes started:**
    - Started M.Sc. in Botany with specialization in Plant and Microbial Biotechnology in collaboration with Zoology Department.

5. **Examination reforms implemented:**
    - New computer programs have been developed in-house for student Registration. The programs have been tested in Education Faculty successfully. The convenience afforded by this program encouraged the Academic Section to accept it for full implementation from next session in all faculties.

6. **Number of Candidates, who have qualified in : NET/SLET/GATE etc.**
    - NET : 29, GATE : 59

7. **Initiating faculty development programs:**
    - Lectures delivered by Prof. Prem Prakash of University Pittsburgh on Arbitration.
    - AADEIs conducted the following courses.
        - Tally-ERP9
        - Computer Networking
        - Basic computer skills

8. **Total number of seminars/workshops conducted:**
   - 27 (International : 4)

9. **Research projects:**
   - Newly implemented : 23
   - Completed : 17

10. **Patents generated, if any:**
    - 01

11. **New collaborative research programmes:**
    - MoU signed with University of Missouri for collaboration in Research in Biotech.
    - Mr. P.S. Sudhish of Physics and Computer Science Dept. has been nominated as Advisor for UIDAI project of Govt. of India.

12. **Research grants received from various agencies:**
    - Rs. 1327.05 lacs

13. **Details of research scholars:**
    - 340

14. **Citation index of faculty members and impact factor:**
    - Dr. Sahab Das Kaura   Chemistry   IF=11.4   CI=18
    - Dr. Anita Lakhani   Chemistry   IF=1.684   CI=10
    - Dr. J.N. Srivastava   Botany   IF=6.20   CI=01
    - Dr. Prem Kumar Dantu   Botany   IF=3.09   CI=02
    - Dr. G.P. Satsangi   Botany   IF=1.19   CI=02
    - Dr. Richa Bansal   Mathematics   IF=1.88   CI=05
    - Dr. Antika Thapar   Mathematics   IF=2.612   CI=01
    - Dr. Kamal Srivastava   Mathematics   IF=1.88   CI=01
    - Dr. Sampada Shrivastava   Mathematics   IF=1.29   CI=01
    - Dr. Dhaneshwar Pandey   Mathematics   IF=1.88   CI=07

15. **Honors/Awards to the faculty:**
    - Prof. D. K. Chaturvedi was included in the International Advisory Committee of IEEE International Conference on, 'Fuzzy and Neural Computing' organized at Poland on Dec. 19-21, 2011.

- Prof. Ravi Kumar Bhatnagar was conferred with the title, 'Sangeet Shilpi' by Sanskar Bharti on 5.5.2012
- Dr. Rashmi Srivastava was conferred with the title, 'Sangeet Sadhak' by Sangeet Kala Kendra in Nov., 2011.
- Dr. Neelu Sharma was conferred with the title, 'Taal Shringarmani' by Sanskara Bharati in Nov., 2011. She was also conferred with the title, 'Sangeet Ratna' by SAM Organization, Delhi in Oct., 2011.
- Dr. soami Pyari Kaura was conferred with, 'Kayakalpa Sahitya Sri Samman 2012' by Sahitya Kala Foundation in Noida.

16. Internal resources generated:
- Rs. 25,89,000

17. Details of departments getting SAP, COSIST (ASSIST)/DST.FIST, etc. assistance /recognition:
- SAP : Electrical Engineering, Music, Physics & Computer Science, Chemistry, Mechanical Engineering
- FIST : Physics & Computer Science, Chemistry, Zoology, Mechanical Engineering, Electrical Engineering

18. Community services:
- Free Medical Camps held in neighboring villages every fortnight by NSS.
- Hole in the Wall program started in villages around DEI.
- Survey of Socio-economic status conducted in villages around DEI and the report submitted to Agra administration.
- New building acquired for School for Scheduled Cstes and weaker sections run by LLLE.

19. Teachers and officers newly recruited:
- Teachers: 46, Officers:9

20. Teaching – Non-teaching staff ratio:
- Teaching staff =204,   Non teaching staff =240   Ratio= 1:1.18

21. Improvements in the library services:
- DEI faculties' libraries computerized. Acquired 9 computers to provide improved access to e-journals.
- The following e-journals subscribed at a cost of Rs.12.0 lacs.
- EBSCO –Management e-journal set subscribed.

- IEEE, ASTM digital library, Access Engineering Library (McGraw-Hill) and ASME complete set of e-journals.
- Book purchase increased to meet the increasing demand of students and staff.

22. New books/journals subscribed and their cost:
- New Books : Number : 3589, Cost : Rs. 21,45,432/-
- Journal subscription: Rs. 24,23,944/-
  (Cost includes e-journals)

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.
- There was a complaint about the weakness of knowledge of Dr. Rupali, a teacher of Economics in the session 2010-11, who was counseled to study deeper and appear in the National Eligibility Test. The teacher accepted the suggestion and appeared in NET examination in December, 2011. She has qualified the NET. There is no complaint this year from students.
- Though DEI has access to 4000 e-journals through INFLIBNET, the students of Engineering, and Management expressed the need for some additional e-journals as their access is not available at present. The following e-journals have been identified by faculty members and have been duly subscribed:
  - IEEE   -   Rs. 2,80,374/-
  - ASME   -   Rs. 1,21,383/-
  - ASTM Digital Library   -   Rs.   61,930/-
  - Access Engineering Library -   Rs. 1,10,855/-
  - Business Source Elite(EBSCO) -   Rs. 1,87,250/-

24. Unit cost of education:
- Rs. 75,221 per year

25. Computerization of administration and the process of admissions and examination results, issue of certificates:
- A software for Generation of Reports of Teaching and Non-teaching faculty for the Establishment section of DEI has been developed and installed facilitating the Administration in appointments, Leave sanctions and promotions.

- Modular courses started in distance education permitting candidates to earn credits in smaller modules which accumulate and a certificate is given when the candidates earn the required number of credits.

26. **Increase in the infrastructural facilities:**
- The following additions and extensions were made during the year in building and Equipment by the Institute.
  - ➢ New Girls Hostel, Consciousness Centre, and Works Department have been constructed.

27. **Technology up-gradation:**
- Astrophysics – Muon detector has been fabricated by students of DEI under guidance of Scientists at TIFR.

28. **Computer and internet access and training to teachers and students:**
- Wi-Fi connectivity provided in entire campus. A 30m tower has been erected at Seminar Hall Complex which is linked with BSNL Network and also to DEI COMPUTER Center.

29. **Financial aid to students:**
- Number of Students benefitted   : 652
- Total Scholarship amount   : Rs. 35,16,696/-

30. **Support from the Alumni Association and its Activities:**
- DEI-APAC organized a job Fair at SURAT from june 3 to 6, 2012 for students of vocational courses. Out of 75 students who attended, 60 students got placement offers.
- DEI- APAC got Campus placement for 50 students of Mech. Engg. and 43 of Electrical branch.
- Mrs. Poonam Prakash, Coordinator of short courses on behalf of AADEIs, has organized the following short courses:
  - ➢ Soft Skills
  - ➢ Computer Skills
  - ➢ Networking
  - ➢ UNIX
  - ➢ TALLY-ERP.9
  - ➢ Spoken English

- AAFDEI has donated Rs. 2.7 lacs to Distance Education Center in Colombo to meet the rent of premises.

- AADEIs has provided funds for establishing an ICT Center of DEI at Bangalore.

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.
- The NSS Unit of DEI holds free medical camps in the neighboring villages every fortnight with the help of Dayalbagh Medical Relief Society.

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:
- The following students of Education faculty participated in the Outstanding Pupil Teacher Hunt under 'ANVESHAN-2012', organized at Palwal on 2.3.2012:

  - Shubhangi Agarwal   Outstanding Pupil Teacher   First   Rs. 1,100/-
  - Harshesh Kumar   Essay writing (English)   First   Rs. 700/-
  - Shubhangi Agarwal   Essay writing (English)   Sec.   ------
  - Karuna Dixit   Essay writing (Hindi)   First   Rs. 700/-
  - Pooja Gautam   Elocution   Sec.   ------
  - Kalpana Singh   Poster making   First   Rs. 700/-
  - Divya Goyal   Mono acting   First   Rs. 700/-
  - Kalpana Singh   Mono acting   Sec.   ------
  - Karuna Dixit   Mono acting   Third   ------
  - Shubhangi Agarwal   Lesson Presentation   First   Rs. 700/-
  - Amit Kumar Singh   Lesson Presentation   Third   -----

- Satyam Sharan and Nishant Goyal participated in IEEE Xtreme, 24 hr ON-Line World wide programming competition on 11.10.2011. Out of 2000 teams participating from all over the world, our team got 121 ranks while at the National level DEI ranked FOURTH out of 674 teams.
- Anand Satsangi won the 'Education Times – Brain Strain contest' organized by Times of India on 19.3.2012
- Dr. Menka Khoobchandani got a lucrative offer of Post doctoral research at University of Missouri, USA in Dec., 2011.

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 team faced difficulties because of slump in the job market.
- The campus placement in various courses in the session 2011-12 is as follows :

	Total number of students	Total number of students interested in job	Students Placed	% Placed
Engineering				
• Electrical	51	51	42	82%
• Mechanical	49	47	37	79%
Management	55	48	44	92%
Technical College				
Mechanical	53	53	45	85%
Electrical	57	57	40	70%
Automobiles	31	31	22	71%
Electronics				
• Boys	21	21	16	76%
• Girls	22	22	12	55%

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:

- An MoU has been signed with INFLIBNET to enable DEI to upload all Theses and Synopses on the web site, 'SHODHGANGA'. All dissertations will automatically get tested for Plagiarism.

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

- DEI has signed an MoU with the University of Missouri for collaboration in Research and Knowledge Sharing in the area of Bio-technology.
- DEI has revived the MoU with University of Maryland, College Park, USA for collaboration in Research and Knowledge Sharing.
- 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 2012-13

- ❖ To file application for reaccreditation to NAAC in the revised Format uploaded by NAAC on 9th May, 2012.
- ❖ To start Cooperative MBA and Cooperative B.Sc. Engineering programs so that the students spend five months in the Industry from 1st April to 31st August each year. This will need rescheduling courses and examinations.
- ❖ To strengthen e-class room facilities across the Institute.
- ❖ To start vocational courses in the Format of the NVEQF proposal of AICTE at school level in DEI Prem Vidyalaya for classes 9th and 11th as given by L1 and L3 levels and also at Diploma Level from L3 to L5.
- ❖ To enforce anti-ragging measures strictly and operate vigilance squads.
- ❖ To find techniques for utilization of e-waste without any damage to environment.

Name & Signature of the Coordinator, IQAC   *Name & Signature of the Chairperson, IQAC*