The Annual Quality Assurance Report (AQAR) of the IQAC
2009-20110

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 2009-10
- To start P.G. Program wherever the Institute is offering only U.G. Level Courses.
- To increase student intake by 18% in both U.G. and P.G. Programs.
- To reserve 27% seats for OBC category students in all Courses.
- To create Interdisciplinary Research facilities and to get additional space to start Research and Technology park.

Outcome of planned activities achieved in the session.
- The Social Science faculty has start M.A. Program in the following 3 subjects:
  - Sociology,
  - Political Science and
  - Economics.
- The student intake has been increased by another 18% in both U.G. and P.G. Programs in the Institute this year also so as to meet the requirements for OBC reservation without any loss to general category. For OBC category students, 27% seats have now been reserved in all Courses.
- DEI has acquired 2000 sq.m. covered space in the erstwhile Model Industries complex and established the Research and Technology park there so as to facilitate advanced Interdisciplinary Research.

PART B:

1. Activities reflecting the goals and objectives of the institution:
- To introduce letter grading in evaluation.
- To implement UGC 2009 regulations for Ph.D.
- Bar-coding of all books in Central Library.
- To start PG Diploma course in Environmental Biotechnology.

2. New academic programs initiated (UG and PG):
- Started Lateral Entry for Diploma Girls in Electronics.
- Started M.A. (Political Sc.), M.A. (Sociology), M.A. (Economics), M.Sc. (Comp. Sc.), M.Tech. (Comp. Sc.) and M.A. (Theology).
- Library Catalogue Computerized.

3. Innovations in curricular design and transaction:
- Introduction of Letter Grades
- Working for review of Management Courses
- Started Integrated M. Phil. programs in the following subjects:
  - Management
  - Psychology
  - Sociology
  - Political Science
  - Education

4. Inter-disciplinary programmes started:
- Department of Botany started PG Diploma in Environmental bio-technology in collaboration with Departments of Zoology and Chemistry.

5. Examination reforms implemented:
- X grade for M.A. & M.Sc. Courses introduced.
- UGC-2009 regulations fully adopted for Ph.D. and M. Phil courses. The Institute started conducting RET admission tests in all departments.

6. Number of Candidates, who have qualified in : NET/SLET/GATE etc.
- NET : 12, GATE : 47

7. Initiating faculty development programs:
- AADEIs courses on Advanced Computer Skills, Computer Networking and Soft skills organized.
- Management Development program- Short course run by Dr. K. Santi Swaroop and Mr. V. Prem Swaroop.

8. Total number of seminars/workshops conducted:
- 29 (International : 1)

9. Research projects:
- Newly implemented : 25
- Completed : 18

10. Patents generated, if any:
- 02

11. New collaborative research programmes:
- BHEL – R & D Project on optimal Solar Collection.
- Consultancy to CADENCE by Prof. C. Patvardhan.

12. Research grants received from various agencies:
- Rs. 1119.95 lacs

13. Details of research scholars:
- 267

14. Citation index of faculty members and impact factor:
- Dr. Sahab Das Kaura   Chemistry   IF=3.4   CI=12
- Dr. Anita Lakhani   Chemistry   IF=1.684   CI=10
- Dr. J.N. Srivastava   Botany   IF=2.32   CI=1
- Dr. Prem Kumar Dantu   Botany   IF=2.09   CI=2
- Dr. Kamal Srivastava   Mathematics   IF=1.28   CI=01
- Dr. Dhaneshwar Pandey   Mathematics   IF=1.28   CI=03

15. Honors/Awards to the faculty:
- Prof. S.K. Chauhan is nominated as a 'Member' of the Board of Management of Multimedia Educational Research Center at Jodhpur.
- Prof. Aditya Prachandia is conferred with, 'VIDYA SAGAR' award by Vikramshila Hindi Vidyapeeth at Bhagalpur on 27-12-2009.
- Prof. S.S. Bhojwani (Botany) has been nominated as 'MEMBER' of the Research Council, Central salt & Marine Research Institute, Bhavnagar.
- Prof. Ashok Kumar Sinha (Zoology) is nominated on the 'UP State Wildlife Advisory Board' of U.P. He has also been nominated on the Editorial Board of International Journal, 'ZOOCRIADES'.

- Prof. M.M. Srivatava (Chemistry) is elected as, 'FELLOW' of Indian Society of Nuclear Techniques in Agriculture.
- Dr. Surat Kumar (Chemistry) is nominated as 'EXPERT' of Task Force of Department of Biotechnology, Government of India.
- Dr. Rahul Caprihan (Engineering) is nominated as Member of International Program Committee on Systems Engineering and Engineering Management, World Congress on Engineering, San Francisco, USA.

16. Internal resources generated:
- Rs. 42,83,488

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:
- Free Medical Camps held in neighboring villages every fortnight by NSS.
- Training program for Self-earning organized in villages.

19. Teachers and officers newly recruited:
- Teachers: 26, Officers:7

20. Teaching – Non-teaching staff ratio:
- Teaching staff =190,   Non teaching staff =248   Ratio= 1:1.30

21. Improvements in the library services:
- Special grants provided to meet the demand of books and storage facilities.
- The libraries of all faculties have also been computerized with computerized Catalogues and bar coding of all books. Central Library books have also been bar coded.
- Scanning and Printing facility provided for students.

22. New books/journals subscribed and their cost:
- New Books : Number : 4600,   Cost : Rs. 23,11,623/-
- Journal subscription : Rs. 10,40,095/-

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 were complaints about pace of teaching of some staff members in their respective subjects. The teachers were asked to use a new teaching technique called, 'Active Learning Methodology' so that the students grasp the subject in depth. In this method, the teacher gives a note to students at the beginning of the class and gives a few minutes for students to read the material. Then teacher discusses the topic in the class. This method had a very good impact.

24. **Unit cost of education:**
   - Rs. 53,910 per year

25. **Computerization of administration and the process of admissions and examination results, issue of certificates:**
   - Developed a Software package, totally in-house, for evaluation of Answer sheets for Objective type tests and deployed in the Institute. This software uses simple answer sheets, which can be obtained by simply Xeroxing in black and white. It has in-built capacity to eliminate erroneous entries.

26. **Increase in the infrastructural facilities:**
   - The following additions and extensions were made during the year in buildings by the Institute:
     - Research & Technology Park, Quantum & Nano System Centre, Core Course Centre, Battery Rooms for Solar Power were built at the Research& Technology Park, and Science, Arts, and Social Science Faculties.

27. **Technology up-gradation:**
   - Super Computer Cluster, Video Conferencing Facilities procured and installed.
   - 50 GHz Vector Network Analyzer, NOx Analyzer and CST Microwave Studio software were acquired.
   - Electronics Virtual Lab has been developed in the Physics and Computer Science Department.
   - Virtual Lab for Electro Chemistry developed in USIC.

28.Computer and internet access and training to teachers and students:
- Computer Center upgraded with 65 PCs at a cost of Rs. 24.0 lacs.
- AADEIS opens its courses on computer skills to Unemployed Graduates of any University. DEI APAC assures to find a job within 2 months for graduates registered for job oriented training offered at DEI by AADEIs

29.Financial aid to students:
- Number of Students benefitted   : 173
- Total Scholarship amount   : Rs. 10,78,000/-

30.Support from the Alumni Association and its Activities:
- Under the program UGRA, AADEIs has approved sanction of award to FOUR Engineering final year students to take up Research level projects this year also. They will be given Rs. 10,000/- each for books and contingency.
- 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

- Mock Interviews
- DEI APAC has succeeded in securing jobs to 85% Management Graduates and 90% Engineering Graduates this year.
- AADEIs has given Rs. 7.00 lacs as seed money in the project on Astro-particles taken up with TIFR, Mumbai by Dr. Sonali Bhatnagar of the Physics and Computer Science Department.
- AADEIs has given Rs. 100.00 lacs for development of Multimedia facilities and e-class rooms in the Institute.

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

- 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.
- University level sports meet for students with disabilities was organized from 3rd to 8th Feb., 2010.
- Under the aegis of Ministry of Youth Welfare and sports, a public Sports meet was organized for the Disabled youth in DEI on 25.2.2010 with an overwhelming response.
- The students of DEI (Km. Bhawna Singh, and 8 others) were selected in the Agra District team and participated in the UP Cricket Tennis Ball Championship held at Rasada (Belya) from 24th to 27th Dec., 2009.

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 First Prize at the Inter University National debate competition organized by National Council for Cooperative education held at Vaikunth Mehta National Institute of Cooperative Management, Pune from 28th to 30th Dec., 2009. Himanshu singh stood first and Pooja Gautam got second in individual category.
- Mr. Himanshu Singh was declared 'Most Dynamic Youth' at the Youth Festival at M.D.U., Rohtak.
- Km. Jyoti Chaturvedi won Rs. 12,000/- Meritorious scholarship of Sahara Group at the NCC Camp for excellent performance in NCC and highest marks in her class on 10.2.2010.
- Km. Kanchan Jain wonthe Silver medal at 32nd U.P. state shooting Championship 2009 on 3.10.2009.
- Pooja Gautam got second prize in All India Tribhasha Bhashan Competition at Gurukul Kangri University in July 2009.
- Km.Bani Dayal received Young Systems Scientist award 2009 at ASR-NSC-2009.

- Mr Himanshu Singh got second Prize in ELOCUTION at the National Youth Festival held at M.D.U., Rohtak in Jan.,2010.
- Mr.Kamal Kishore Upadhyaya got 3rd prize in National Hindi Essay Competition organized by Bharatiya Vidya Bhavan in 2010.
- Jubilee Raizada won First prize in Folk dance and second in Group Dance held at Sangeet Kala Kendra on 23.11.2009.

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:

- The campus placement in various courses in the session 2010-11 is as follows :-

	Total number of students	Total number of students interested in job	Students Placed	% Placed
Engineering				
• Electrical	32	32	29	91%
• Mechanical	37	37	33	89%
Management	37	35	31	88%
Technical College				
Mechanical	60	60	52	87%
Electrical	50	50	45	90%
Automobiles	32	32	31	97%
Electronics				
• Boys	26	26	25	96%
• Girls	26	26	17	65%

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 accepted to implement the UGC-2009 regulation for M. Phil. and Ph.D. with immediate effect as the Institute is already practicing most of the recommendations.
- The Ph.D. admission procedure is modified as the students have to pass Research Entrance TEST (RET) for Ph.D. and M. Phil. admissions.

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

- Mr. Prem Sewak Sudhish, Assistant Professor in the Department of Physics and Computer Science visited the Michigan State University for 6 weeks to work in the area of Bio-inspired Systems.
- 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.
- DEI has signed an MoU with T.I.F.R., Mumbai for collaboration in the project on Astro particle Physics.

41. Any other relevant information:

- Nil

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

Action Plan for session 2010-11
- ❖ To widen the horizon of Engineering Degree Programs by opening specialization courses in each department.
- ❖ The Core Courses form a unique innovative feature of DEI. In order to promote these courses by constant upgradation and review, it is proposed to establish a Core Course Center in the Institute.

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