

## ASSESSMENT STATUS REPORT OF UTD

Name of the School: **Institute of Engineering & Technology**

Year of Report: 2009-10

**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.

**Part B:**

01.	Activities reflecting the goals and objectives of the institution	The Institute relentlessly follows the goals mentioned in its vision, mission and objectives. The academic calendar has been strictly followed. Teaching schedule and the syllabus was covered on time. Assessment of students was undertaken through regular and continuous evaluation and end semester examination. The ultimate goal of nurturing engineering education and producing trained manpower for placement in Industries and other Institutions is being successfully achieved.
02.	New academic programmes initiated (UG and PG )	<ol style="list-style-type: none"> <li>1. BE(Civil) 60 Students</li> <li>2. BE(IT) 60 Students (seats increased)</li> <li>3. BE(E&amp;TC) 60 Students (seats increased)</li> <li>4. Part Time BE (Computer/ Mechanical/ IT/ E&amp;I/ E &amp;TC) with 30 Seats each.</li> <li>5. ME (Electronics) with specialization in Digital Communication' programme with 18 Seats got approved from AICTE, New Delhi</li> <li>6. ME (Mechanical Engg) with specialization in Design &amp; Thermal Engg' with 18 Seats got approved from AICTE, New Delhi</li> </ol>
03.	Innovations in curricular design and transaction	<ul style="list-style-type: none"> <li>- The updating of curriculum has been a continuous process. The curricula designed is based on opinion of subject experts and requirements of the recruiting companies like TCS, Infosys, Tech Mahindra etc. Some of the subjects recently included are ERP, Business Communication, Supply Chain Management, Enterprise development skills and IPR.</li> <li>- To provide students with the benefits of early exposure to research and innovative skills the major project was initiated in sixth semester of four year BE program.</li> </ul>
04.	Inter-disciplinary programmes started	Nil
05.	Examination reforms implemented	<ul style="list-style-type: none"> <li>- Continued with the Centralised Evaluation System being followed since last several years</li> <li>- Evaluation of answer sheets by hiding the roll numbers from the year 2008.</li> </ul>
06.	Candidates qualified NET/SLET/GATE etc.	<ul style="list-style-type: none"> <li>- In GATE 2010: 50 students qualified &amp; selected in PG programmes country wide.</li> <li>- CAT: 02 Qualified</li> <li>- TOEFL &amp; GRE: More than 40 students Qualified</li> </ul>

07.	Initiative towards faculty development programme	<ul style="list-style-type: none"> <li>- Research seminars for IET faculty</li> <li>- FDP Programme by TCS experts on “Cloud Computing” for DAVV Faculty</li> <li>- Expert lecture/seminar on “P=NP with a case of Satisfiability problem” by Prof Narendra S Chaudhari of IIT Indore.</li> </ul>
08.	Total number of seminars / workshops conducted	<p>06</p> <ol style="list-style-type: none"> <li>1. “Industry Expectations” for DAVV students by Mr James Maslamani, AIP Executive.</li> <li>2. “Mobile Computing” for DAVV students by Senior Network Architect Mr Yeshwant Kulkarni</li> <li>3. How to undertake innovative research by Prof. M. Chandwani, Director, IET .</li> <li>4. How to Make cars</li> <li>5. Organised a seminar on “Engineering Career Options: A Perspective,” in association with Dainik Bhaskar. More than 800 enthusiasts attended it.</li> <li>6. Organized an interactive talk on “Placement Scenario in India” by Infosys Recruitment Manager Mr Tarun Nallu. More than 800 enthusiasts attended it.</li> </ol>
09.	Research projects a. Newly implemented: b. Completed :	<p>Research Projects of Dr. Shashi Prakash undertaken/being undertaken as Principal Investigator:</p> <ol style="list-style-type: none"> <li>1. “Non destructive testing using phase shifted digital Stereography” for Rs .10,54,860:00 funded by University Grants Commission (2008-11)</li> <li>2. "Grating shearing interferometry for investigations in Experimental Mechanics using phase shifting technique" for Rs. 14,916,00 funded by Defence Research Development Organisation, New Delhi, India (07-09)</li> </ol> <p>Research Project of Dr. Santsoh Rana undertaken as Principal Investigator:  “Optical Metrology using Phase Shifted Lau Interferometry” (year: 2005-08) funded by Department of Science &amp; Technology, India</p>
10.	Patents generated if any	NIL
11.	New collaborative research programmes	<ul style="list-style-type: none"> <li>- Collaboration with RRCAT, Indore for carrying out Research in Engineering Subjects</li> <li>- Collaboration with NIC, New Delhi for technology adoption ( CollabCAD)</li> </ul>
12.	Research grants received from various agencies	<p>(i) Grant of <b>Rs.10,54,860:00</b> for research project “Non destructive testing using phase shifted digital Stereography” for funding University Grants Commission (year: 2008-11)</p> <p>(ii) Grant of <b>Rs.14,916,00</b> for research project “Grating shearing interferometry for investigations in Experimental Mechanics using phase shifting technique” for funding from Defence Research Development Organisation, New Delhi, India (year: 07-09)</p> <p>(iii) Grant of <b>Rs. 13,44,000:00</b> for research project</p>

		“Optical Metrology using Phase Shifted Lau Interferometry” for funding from DST, New Delhi (year: 2005-08)
13.	Details of research scholars	More than 60 research scholars are presently registered/enrolled in Faculty of Engineering
14.	Citation index of faculty members and impact factor	-----
15.	Honours / Awards to the faculty	Dr Manohar Chandwani has been honoured with CSI Fellowship Award 2009, during CSI Annual Convention
16.	Internal resources generated	Fully self-financed Institute
17.	Details of departments getting SAP, COSIST (ASSIST)/ DST, FIST etc. assistance / recognition	No, IET has not applied or received any grants under such schemes
18.	Community services	<ul style="list-style-type: none"> <li>- Blood donation Camp has been organised under aegis of NSS unit, IET-DAVV</li> <li>- Plantation drive undertaken under aegis of NSS unit, IET-DAVV</li> </ul>
19.	Teachers and Officers newly recruited	Faculty – 06, Contract - 20 Administrative. Officer – 01 Web Asst. – 01
20.	Teaching- Non-teaching staff ratio	Faculty: Regular 53, Contract 07 Contractual Class III: 33, Class IV: 39 Overall Ratio 60:72
21.	Improvements in the library services	We are currently using customized software developed for Library Management w.e.f. yr. 2000
22.	New books / journals subscribed and their value	About 2500 books valued Rs. 10 Lakhs; University arranges for E-subscriptions of Journals. An amount of approx. Rs 2:00 lakhs per annum is paid by the Institute towards this contribution.
23.	Courses in which student assessment of teachers is introduced and the action taken on student feedback	In all BE, ME and MSc programs the student’s assessment of teachers was taken and required steps taken to improve standards
24.	Unit cost of education	UG - Rs.60,000/- PG – Rs.40,000/-
25.	Computerization of administration and the process of admissions and examination results, issue of certificates	All sections of Administrative Office are using computers and printers. Customized software developed in-house is being used for Admissions, Accounts and Result processing w.e.f. year 2000.
26.	Increase in the infrastructural facilities	Following Construction work worth Rs.14 Crores are under progress; <ul style="list-style-type: none"> <li>- A new block of Electronics &amp; Telecommunication branch</li> <li>- Girls Hostel with a capacity of 200 beds along with warden’s quarter</li> <li>- 14 quarters for teachers</li> <li>- Entrance Gate</li> </ul>
27.	Technology up gradation	- The infrastructure with advanced technology is being developed.

28.	Computer and internet access and training to teachers and students	-7x24 internet access to all the terminals with 2 MBPS leased line & 1 Mbps broad line - It is likely to be increased by 2 Kbps more
29.	Financial aid to students	Financial aid is provided to Physically handicapped students through Student Welfare department of DAVV
30	Activities and support from the Alumni Association	Alumni Association formed on Oct 25, 2008.
31	Activities and support from the Parent Teacher Association	- Invocation lecturer to the new admitted students & their parents. - Regular meetings with parents being planned
32.	Health services	Through Common Health Centre of DAVV Visit of Doctor to the IET Hostel
33.	Performance in sports activities	Students are encouraged to participate in sports activities through various initiatives
34.	Incentives to outstanding sportspersons	As per University rules
35.	Student achievements and awards	– Students have been among GATE Toppers – Very good placement records – Publication of Magazine ‘Pegasus’ – Scholarships are awarded to merit holders in all branches since 2003
36.	Activities of the guidance and Counselling unit	Mentor tutelage scheme started in year 2006-07. For a group of 15 students, a teacher mentor is assigned. Meetings are held twice a month.
37.	Placement services provided to students	– Fully active placement cell exists – Students volunteer in the placement activity. – A Professor In charge is made responsible for placement activities. – Reward to the Placement In charge depending upon the performance – Collaboration with other UTDs, such as IIPS/ SCS for placement matters. – MOU with TCS for incumbent training
38.	Development programmes for non-teaching staff	None
39.	Healthy practices of the Institution	– Academic schedule strictly followed. – Strong emphasis on class room teaching – Result on time – Best efforts for placement – Karmachari Sahayata Kosh (Help to employees in time of need) – Excellent recreational activities by the students (Cultural programmes, etc.)
40.	Linkages developed with National / International, Academic / Research bodies	– Collaboration with IIT Mumbai & RRCAT, Indore – Accommodation of temporary location of new IIT at Indore for 03 years (2009-2012) – Industry collaboration e.g. Eicher Motors
41.	Any other relevant information the institutions wishes to add	

**Part C:** Details of the plans of the Institution for the next year:

- The research programmes in all relevant disciplines shall be strengthened by more PhD registrations and involvement in sponsored research projects. Special emphasis shall be given to improve the standards of research through publications in Journals, and Conferences.
- More infrastructural facilities shall be provided including Buildings, equipments and other academic facilities:
- New Library Building
- Extension of Mechanical Workshop
- A new academic Block (Construction work has started)
- Digital Library with Latest Journals
- Outreach programmes
- Industrial Consultancy
- High tech classrooms
- Modern Laboratories
- Curriculum update with modern syllabus content
  
- Long term academic projects at UG level
- Research projects at Masters' Level
- e-Learning Technology Adoption

Name & Signature of the Coordinator QAC

**Name of Signature of the HEAD, UTD**