

Annual Quality Assessment Report

Institute of Engineering and Technology

Criterion vice analysis: Institute Progression Report 2012-13

Part A: The year 2012-13 has been considered as landmark in the field of quality education in Institute for successful functioning of the IQAC for providing quality education based on the feedback from stakeholders. Whatever we targeted in last year we achieved those goals in the form satisfaction of students and successful placement activities and appreciation from the recruiting companies for technical knowledge and overall personalities we are developing in the students. 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.

I. Curricular Aspect	<ul style="list-style-type: none"> • The institute strictly follows the vision, mission and objectives of the institute itself while adhere academic calendar strictly including the quality teaching on time and with complete coverage of syllabus. • Assessment of students through regular and continuous evaluation and end semester examination. • The ultimate goal of deploying the engineers in the field with aggressive placement activities is also achieved. • Curriculum updated based on the current needs of the employers, feedback from eminent scholars and research bodies, experts and Alumni opinion on the existing curriculum • Employability: Syllabus has been designed as per the present need of the Industries which gives benefit to the students in supporting to their placement. Placement record shows excellent employability , 24 companies visited with 460 placement offers to students and 322 students got placement with highest package of 11 Lac and average package of 4 Lac • Innovation: Use of Internet and Web resources in teaching and research in each course and ICT based teaching learning program. • Research: The PG students of the Institute have been encouraged to undertake research projects. It is compulsory to published at least one research paper in reputed Journal. • Computer Training and Accounts Maintenance training given to non teaching staff • Subjects floated in different branches of engineering with intra disciplinary needs. About 45% of total subject taught are inter-disciplinary Subjects like Principles of Management taught in all branches looking to current need of technocrat managers • Lateral entry in BE II Year for Diploma from polytechnic as vertical mobility • ME Program in Industrial Engineering and Management and Software Security with intake of 18 students each are Inter-disciplinary program. • Course has been designed as per the emerging needs of the Industries which ultimately increase the employability. Which enhance reputation of the institute in the state and the Nation. That is the reason students give their first/ second preference for their engineering course to Institute. • Recruiting companies like TCS, Infosys, Mahindra, Reliance, Volvo-Eicher etc are considered for updating • Feedback taken from pass out students regarding current use/ employability of the curriculum.
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	<ul style="list-style-type: none"> • Job oriented courses in all the branches • Continuous updating • Departmental Academic Calendars of each semester prepared in beginning of semester and strictly adhere to the calendar
<p>2. Teaching- Learning & Evaluation</p>	<ul style="list-style-type: none"> • Admission on the basis of state level engineering entrance examination for undergraduate courses and our institute is I/II choice. Opening rank of 58 and closing rank of 1619 in MPPET • Demand ratio for the various programs, B.E is 194:16. ME is 6:18. and PhD 6:1 There is increasing trend observed in BE all branches Good Academic Environment, Good placement, GATE/GRE and CAT selections • Admission for PG courses is on the basis National level entrance examination (GATE) is preferred. • AICTE/UGC norms are strictly followed for the admission process. • Admission as per reservation policies and financial assistance provided to weaker sections through scholarships etc. • Organize induction program for fresher. • Mentors allotted for each group of students to take care academic, social and career needs of the students through counseling • Institute running different students chapters like <ol style="list-style-type: none"> 1. Computer Society of India 2. IEEE Student Chapter 3. Institution of Engineers 4. SAE Club 5. ISHRE Students Chapter <p>Through which students Institute and students organize different technical seminars, workshops, technical competitions, which inculcate and nurture creativity and scientific temper among students</p> • Provide remedial classes for weaker students. • Website info provides course outlines and course schedules prior to the commencement of the academic session • Most class rooms are well equipped with multimedia projectors. 22 class rooms has LCD Projectors computers and with wi-fi access Interactive board is also placed in seminar hall. • Lectures are supplemented by assignments, seminars and industrial visits. • Open Source LAB developed for Open Source Community and integrate its benefits in the university's educational processes • 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 • More focus on the laboratory work to strengthen students practical knowledge • New batch in IV yr academic program initiated in BE(Civil) 60 Students, BE(IT) 60 Students (seats increased), BE(E&TC) 60 Students (seats increased), Part Time BE (Computer/ Mechanical/ IT/ E&I/ E &TC) with 30 Seats each(since 2009) • Team of qualified faculties (06 professors, 11 associated professors and 47 assistant professors and 65 experts as visiting faculties) • Prior to the commencement of the academic session academic calendar framed and institute adhere to the same.

- 95% students are doing in-house projects. Number of projects executed within the university : 162 projects
External institutions associated with the university for student project work
 1. RRCAT
 2. Eicher Motors
 3. Mahindra Two Wheelers
- Faculty provides full support and guidance for performing such projects.
- 80% percentage of faculty enabled to prepare computer-aided teaching/ learning materials
- Academic recharge and rejuvenation of teachers through providing study leave for QIP at IIT'Savailed and on study leave
 1. Mr. P.D Ashok
- Faculty members invited as resource person/ keynote speaker
 - Dr. Sanjiv Tokekar
 - Dr. Mrs V. Tokekar
 - Dr. Nagendra Sohani
 - Dr. Ashesh Tiwari
 - Dr. Gendlal Prajapati
- For the completing the curriculum within stipulated time frame monthly review system established.
- Experts/ eminent scholars from different field invited to deliver lectures for students.
- Teachers are motivated for the attending short term courses, repressor courses . faculty underwent staff development programmes during the last year

	Refressor	Orientation	Workshop
2012-13	04	08	41

- Most of the faculties with yrs of experience.
- Continuous evaluation system is adopted for each subject
 - Three term tests
 - Continuous evaluation of Lab assignments
 - Main theory exam and External practical examination
- Centralized Evaluation System adopted since 2002
- Revaluation and Review system followed
- Strictly adhere to the examination schedule and timely evaluation of answer sheets and declaration of results so that students do not suffer for their joining to industries and admission for higher education in national institutes. Final year Results declared within ten days after completion of exam
- Final year result declared before 15th of May every year
- 22 regular faculties with PhD and 25 with postgraduate qualification
- Team of 51 qualified faculties
 - 04 Professors,
 - 11 Associated professors and
 - 36 Assistant professors
 - 24 Contract faculty

	<ul style="list-style-type: none"> • 48 visiting • 127 Teaching Assistant • All 69 administrative staff & lab staff are working on full time temporary contract basis • Program-wise Student Teacher Ratio 19:1 																																
Research consultancy & extension	<ul style="list-style-type: none"> • Collaboration with RRCAT, Indore for carrying out Research in Engineering Subjects • Collaboration with NIC, New Delhi for technology adoption (Collab-CAD) • Collaboration with IIT Mumbai & RRCAT, Indore Accommodation of temporary location of new IIT at Indore for period (2009-2015) • For Promotion of Research a Departmental Research Committee, has been constituted • 15 workshops/ training programs/ sensitization programs conducted by the department to promote a research culture on campus • More than 60 research scholars are presently registered/enrolled in Faculty of Engineering • 74 research papers published in international/national Journals /presented in international / national conferences • Workshop /training program organized to promote awareness in teachers for research. <table border="1"> <thead> <tr> <th>Sr.</th> <th>Conference/ Workshop /Seminar/Training</th> <th>Experts</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>“Research Methodology in Education Technology”: An online workshop through virtual classroom conducted by IIT Bombay for faculty</td> <td>IIT BOMBAY</td> <td>2nd Feb. and 9th Feb. 2013</td> </tr> <tr> <td>2</td> <td>“Introduction to Research Methodologies” An online ISTE workshop through virtual classroom conducted by IIT Bombay under NMEICT for faculty</td> <td>1. Prof. Shreepad Karmalkar IIT Madras 2. Prof. Uday Gaitonde IIT Bombay 3. Prof. Sahana Murthy IIT Bombay 4. Prof Santosh Noronha IIT Bombay</td> <td>25th June - 04th July 2012</td> </tr> <tr> <td>3</td> <td>Biometric systems and Software project Management 130 participants</td> <td>1. Ms. Arti Agrawal Anaxee Technologies Pvt.Ltd. Director 2. Mr. Vinod Raghunath Sathe ClearTrail Pvt Ltd Sr.Manager</td> <td>6th October 2012</td> </tr> <tr> <td>4</td> <td>Expert talk on Information Retrieval and Semantic Analysis</td> <td>1. Dr. Suresh Jain 2. S.D. Bansal college of Engg 3. Mr. Apoorv Sharma Opera Systems, Noida, New Delhi</td> <td>16 march 2013</td> </tr> <tr> <td>5</td> <td>ISTE Workshop on DBMS 30 participants</td> <td>1. Prof. S. Sudarshan IIT, Bombay</td> <td>21-31/05/13</td> </tr> <tr> <td>6</td> <td>Two Week ISTE Workshop on Analogue Electronics 22 participants</td> <td>1. Prof. Anindya Sunder dhar IIT-KGP 2. Prof. Pradip Manda, IIT-KGP 3. Prof. Indrajit Chakrabarti IIT-KGP</td> <td>4th June - 14th June , 2013</td> </tr> <tr> <td>7</td> <td>Vision of Mahamana Pt. Madan</td> <td>• Devendra Pratap Singh of</td> <td>04/01/13</td> </tr> </tbody> </table>	Sr.	Conference/ Workshop /Seminar/Training	Experts	Date	1	“Research Methodology in Education Technology”: An online workshop through virtual classroom conducted by IIT Bombay for faculty	IIT BOMBAY	2 nd Feb. and 9 th Feb. 2013	2	“Introduction to Research Methodologies” An online ISTE workshop through virtual classroom conducted by IIT Bombay under NMEICT for faculty	1. Prof. Shreepad Karmalkar IIT Madras 2. Prof. Uday Gaitonde IIT Bombay 3. Prof. Sahana Murthy IIT Bombay 4. Prof Santosh Noronha IIT Bombay	25 th June - 04 th July 2012	3	Biometric systems and Software project Management 130 participants	1. Ms. Arti Agrawal Anaxee Technologies Pvt.Ltd. Director 2. Mr. Vinod Raghunath Sathe ClearTrail Pvt Ltd Sr.Manager	6 th October 2012	4	Expert talk on Information Retrieval and Semantic Analysis	1. Dr. Suresh Jain 2. S.D. Bansal college of Engg 3. Mr. Apoorv Sharma Opera Systems, Noida, New Delhi	16 march 2013	5	ISTE Workshop on DBMS 30 participants	1. Prof. S. Sudarshan IIT, Bombay	21-31/05/13	6	Two Week ISTE Workshop on Analogue Electronics 22 participants	1. Prof. Anindya Sunder dhar IIT-KGP 2. Prof. Pradip Manda, IIT-KGP 3. Prof. Indrajit Chakrabarti IIT-KGP	4th June - 14th June , 2013	7	Vision of Mahamana Pt. Madan	• Devendra Pratap Singh of	04/01/13
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	Mohan Malviyaaji for Engineering Education in India	Banaras Hindu Vishwavidyalaya	
8	Remote sensing and its applications	• Dr. K.P. Singh, Professor emeritus at IIT-BHU	6.1.13
9	Expert lecture on “Network on Chip”	• Dr. Manoj Singh Gour, Professor MNIT Jaipur	19/1/13
10	Expert lecture on “Optical Cryptography”	• Prof. Kehar Singh, Ex emeritus Professor of IIT-Delhi,	13/3/13

- Provision of funds allocation in budget for the research oriented activities for teachers (attend conferences/ workshops etc.)

Year	2012-13
Provision (In Rs)	5,00,000
Expenditure (In Rs)	1,79,412

- Research Laboratories

	Software	Amount in Rs.
1	Qualnet (Computer Network Simulation Software)	5,82,400/
2	MATLAB	2,49,523/
3	ProE (pro engineer)	7,80,000/
4	Inventor	2,38,600/
5	CollabCad (machine design)	Provided by NIC
6	MATHCAD	78,000/

Facilities available in Photonics Laboratory

- Solid state laser diode (20mW): Red
- Solid state laser diode (9 mW): Green
- Helium Neon Laser (11mW): Red
- Honey comb optical benches
(i) 8’ x 6’ (ii) 6’ x6’
- CCD camera, Frame grabber cards, Optical components such as beam splitter, lenses, prisms, Neutral density filters, mirrors, cube corner prisms, precision translation stages etc.

Research Papers	2012-13
Journal	48
International Conference	21
National Conference	05
National Seminar	--
Total	74

Infrastructure and Learning resources	A Block	B Block	D Block	E Block	M Block	F Block	Total	
	Class Rooms	4	6	5	8	4	7	34
	Labs	7	6	7	4	1	6	31
	Built-up Area (sq.m.)	1863.2	2106.3	2106.3	3585.7	2506	4720	16887.5

- Central Workshop
- Built-up area: 855 sqm
- 300 -350 seated fully air conditioned auditorium developed
- Girls Common Room in each block
- Annual maintenance contract for
- Water purifiers
- Fire extinguishers
- Maintenance of building, garden, indoor games structure
- Cleaning contract
- Campus security outsourced to Security agency
- The infrastructure with advanced technology is being developed having 625 Computers
- Selected Class rooms and laboratories facilitated with 22 multimedia projectors
- Internet connectivity in each block
- All faculty rooms are facilitated with Internet connectivity
- Virtual class room
- Internet facility for blind at IT centre.
- Boys hostels are having 1 Gbps Internet access through DAVV Campus network on 24 X 7 basis
- All sections of Administrative Office are using computers and printers
- Using Customized developed software for Admissions, Accounts, exam and result processing since year 2000
- A separate block of 2506 SqM area is constructed for Office purpose. Where Student section for UG and PG, Establishment, Accounts, Academics, Purchase, Dispatch, Store Exam, Result, Director Office, Administrative Officer, Central Valuation Hall, Conference room Each block has common room & separate rest rooms with necessary furniture for women students and staff.

Year	Expenditure (In Rs)	No. of Books purchased
2012-13	8,65,000.00	1628

Total books 31,867
No of Titles 6,015

Annual departmental library budget and the amount spent for purchasing new books and journals. Rs 10,00,000.00

- * Average number of books added during the last four years : 1313/year
- * Assistance in searching Databases available
- * Average number of walk-ins- 6500
- * Average number of books issued/returned- 2000
- * Ratio of library books to students enrolled- 11.8

	<ul style="list-style-type: none"> • University arranges for E-subscriptions of Journals. An amount of approx. Rs 2:00 lac per annum is paid by the Institute towards this contribution • Using customized developed software for Library Management w.e.f. yr. 2000 • The infrastructure with advanced technology is being developed having 625 Computers • Selected Class rooms and laboratories facilitated with 22 multimedia projectors • Internet connectivity in each block • All faculty rooms are facilitated with Internet connectivity • Virtual class room • Boys hostels are having 1 Gbps Internet access through DAVV Campus network on 24 X 7 basis • All sections of Administrative Office are using computers and printers • Using Customized developed software for Admissions, Accounts , exam and result processing since year 2000 • Computer-student ratio 1:4 • A provision of Rs 25 lacs/ yr as Department budget for the update, deployment and maintenance of computers • All sections of Administrative Office are using computers and printers. Using Customized developed software is being used Admissions, Accounts and Result processing w.e.f. year 2000 • Girls Hostel with a capacity of 200 beds along with warden's quarter • 3 Boys Hostels with capacity of 400 • 06 faculty quarters with 4 BHK • 12 Faculty quarters with 3 BHK • 2 Wardens quarters with 2 BHK • The infrastructure with advanced technology is being developed. • Good planning for future development of physical infrastructure (Civil engineering block, Extension of mechanical workshop) • WI-Fi facility provided at students hostel
Student support & progression	<ul style="list-style-type: none"> • For 1st year BE students one mentor is appointed on a batch of 15 students each. Mentor interact with students weekly/ fortnightly and help in academic , social and career counseling • Invocation lecture for 1st year student. • Mentoring of girls students by senior faculty members • Career counseling provided by training and placement cell. • Soft skill development is taken up • Department publish its updated prospectus and handbook info annually on website and online access of course plans, syllabi and result • Weblink: www.iet.dauniv.ac.in • Financial aid is provided to Physically handicapped students through Student Welfare department of DAVV <ul style="list-style-type: none"> • Dr. S. M. Dasgupta Scholarships (Rs 10,000/ per year) are awarded to merit holders in all branches since 2003 (6 No.) • Dr. Manohar Chandwani Award (Rs. 15,000/ per year) to passing out students (4 No.) since 2012.

Financial assistance provided to SC, ST, OBC, PH						
	SC		ST		OBC	
	No.of Students	Amount	No.of Students	Amount	No.of Students	Amount
2011-12	173	64,10,649	146	15,13,485	182	53,26,225

Students benefited through other schemes

1. Bank Employee Sch.
2. Handicaped Sch.
3. Minority Sch
4. Gaon Ki Beti Sch.
5. Single Daughter Sch

- Provision of Fee waver scheme for economically weaker - Meritorious students
- Good placement record

Year	2012-13
Companies visited	23
No. recruitment offers	437
No. of students placed.	327

- 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 deputing upon the performance
- Collaboration with other UTDs, such as IIPS/ SCS.
- Students achievements

	2012-13
GATE	269
CAT	164
GRE	21

- Girls student welfare cell formed
- Average annual package of 4.0 lac with highest package 11 lac.
- Good hostel facilities available for both boys and girls
- Hostels equipped with gymnasium, internet facility, sport ground.
- Visiting doctor available at hostel
- Grievances and redressal mechanism and counseling provided to students
- Students participated in national /university cultural and sports activities. Invocation lecturer to the new admitted students & their parents.
- Regular meetings with parents being planned
- Financial aid is provided to Physically handicapped students through Student Welfare department of DAVV
- Publication of Magazine 'Pegasus'

<p>Governance & leadership</p>	<ul style="list-style-type: none"> • 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. • Strong emphasis on class room teaching • Result on time • Full academic autonomy • Involvement of faculties in decision making is very important for the growth of an academic institution as they are the strong pillars of the institution. Keeping this great fact in view faculties are involved in decision making, planning of the academic and other events. • Management always invites suggestions from faculty members and provides financial, infrastructural support to carry out different activities. • Director listens to the staff members and allows them to share their thoughts, ideas and views. • Open discussions in the staff meetings. • Faculties are members of various committees and they are given free hand in executing their plans. • Faculties are members of Board of Studies of their related subjects and are actively involved in curriculum making process. • Assessment of students was undertaken through regular and continuous evaluation and end semester examination. • Fostering global competencies among students • Providing exposure to students by organizing educational tours and Industrial visits. • Offering programmes in newly emerging subjects as per current industrial requirements • Offering a number of job oriented training programmes in order to meet the global requirements. • Providing industrial training to students. • Establishment of placement cell to help students in getting jobs. • Training in information technology is provided to students through various programmes. • Promoting students participation in programmes related to advancement of education. • Creating suitable infrastructure for modern methods of teaching through ICT. • Extending the computer and internet facility to every department. • Facilitating Lectures, seminars/presentations through power point. • Direct access to a number of research Journals/ periodicals to every faculty member through e journals. • Laboratories of various departments are enriched with latest technology / instruments/ software's. • Semi computerized administrative block. • Computerization of examination and accounts section. • Conducting computer literacy programmes for non teaching staff and students. • The ultimate goal of nurturing engineering education and producing trained manpower for placement in Industries and other Institutions is being successfully achieved
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	<ul style="list-style-type: none"> • Curricula with built-in topics for promoting value systems. • Propagation of value systems through periodical organization of invited talks, on Vivekanand, Pt. Madanmohan Malviya, meetings focusing on respective philosophies. • Inviting collections from students for catalogues related to strengthening of value system. • Displaying portraits of great philosophers such as Mahatma Gandhi, Dr. B.R. Ambedkar, Gurudev Ravindranath Tagore etc. as symbols of their social values. • Displaying quotations by great philosophers at corridors so that students, faculties and visitors repeatedly can have a look at them. • Institute is working of the self finance system. Effective use of financial resources • Student feed back system is followed for the continuous improvement • Karmachari Sahayata Kosh (Help to employees in time of need)
Innovative Practices	<ul style="list-style-type: none"> • Advance methods of teaching • Students provided with internet facility at hostel • Project started in VI sem (III year) of degree course for early exposure to students towards research and project. • Go green environment policy. • Water harvesting/ recharging • Water pond • Academic schedule strictly followed. • Strongest emphasis on class room teaching • Result on time • Best efforts for placement • Grand level Recreational , Technical , and Socail activities by the students (Cultural programmes, etc.)

Part B:

01.	Activities reflecting the goals and objectives of the institution	<ul style="list-style-type: none"> The institute strictly follows the vision, mission and objectives of the institute itself while adhere academic calendar strictly including the quality teaching on time and with complete coverage of syllabus. Assessment of students through regular and continuous evaluation and end semester examination. The ultimate goal of deploying the engineers in the field with aggressive placement activities is also achieved. 								
02.	New academic programs initiated (UG and PG)	<ul style="list-style-type: none"> Students intake strength increased in IV Year of Civil, IT, and E &TC 								
03.	Innovations in curricular design and transaction	<ul style="list-style-type: none"> The last updating of curriculum was in academic session 2009.-10 A committee have been formed for the phase wise adaptation of choice based credit curriculums The course was designed on the present requirement of the recruiting companies like TCS, Infosys, Tech Mahindra Eicher Motors, Wipro technologies etc. The subjects included for the current era requirement advance subjects are ERP, Business Communication, Supply Chain Management, Enterprise development skills and IPR., Cloud computing, Digital communication etc. In Sixth Semester of the four year BE program, major project started to derive the benefits of early exposure of research and innovative skills, utilization of summer vacation for the project work and continuation of project in subsequent batches. 								
04.	Inter-disciplinary programs started	ME (Industrial Engineering and Management) and ME in Software Engineering has been running								
05.	Examination reforms implemented	- Central Valuation System continued								
06.	Candidates qualified NET/SLET/GATE etc.	<table border="1"> <thead> <tr> <th></th> <th>2012-13</th> </tr> </thead> <tbody> <tr> <td>GATE</td> <td>269</td> </tr> <tr> <td>CAT</td> <td>164</td> </tr> <tr> <td>GRE</td> <td>21</td> </tr> </tbody> </table>		2012-13	GATE	269	CAT	164	GRE	21
	2012-13									
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07.	Initiative towards faculty development program	<ul style="list-style-type: none"> Faculties are motivated for attending short term courses, refressor courses and orientation courses. Faculties motivated for participating in National & International conferences Institute develop remote centre of IITB for conduction of Short Term Training Program. 								
08.	Total number of seminars /	<ul style="list-style-type: none"> 19 workshops conducted Annexture I								

	workshops conducted										
09.	Research projects	NIL									
10.	Patents generated if any	Nil									
11.	New collaborative research programmes	<ul style="list-style-type: none"> • Collaboration with RRCAT, Indore for carrying out Research in Engineering Subjects • Collaboration with NIC, New Delhi for technology adoption (CollabCAD) 									
12.	Research grants received from various agencies	NIL									
13.	Details of research scholars	See Annex-II									
14.	Citation index of faculty members and impact factor	See Annex –III									
15.	Honors / Awards to the faculty	NIL									
16.	Internal resources generated	Nil									
17.	Details of getting SAP, COSIST (ASSIST)/ DST. FIST etc. assistance / recognition	No, it has not received any									
18.	Community services	Annexure IV									
19.	Teachers and Officers newly recruited	NIL									
20.	Teaching- Non-teaching staff ratio	<ul style="list-style-type: none"> • Team of 51 qualified faculties <ul style="list-style-type: none"> • 04 Professors, • 11 Associated professors and • 36 Assistant professors • 24 Contract faculty • 48 visiting • 127 Teaching Assistant • All 69 administrative staff & lab staff. are working on full time temporary contract basis 									
21.	Improvements in the library services	<ul style="list-style-type: none"> • Using customized developed software for Library Management w.e.f. yr. 2000 									
22.	New books / journals subscribed and their value	<table border="1"> <thead> <tr> <th>Year</th> <th>Expenditure (In Rs)</th> <th>No. of Books purchased</th> </tr> </thead> <tbody> <tr> <td>2012-13</td> <td>8,65,000.00</td> <td>1628</td> </tr> <tr> <td colspan="2">Total books</td> <td>31,867</td> </tr> </tbody> </table>	Year	Expenditure (In Rs)	No. of Books purchased	2012-13	8,65,000.00	1628	Total books		31,867
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		<p>No of Titles 6,015</p> <p>Annual departmental library budget and the amount spent for purchasing new books and journals. Rs 10,00,000.00</p> <ul style="list-style-type: none"> * Ratio of library books to students enrolled 13.27:1 * Average number of books added during the last four years : 1313/year * Assistance in searching Databases available * Average number of walk-ins- 6500 * Average number of books issued/returned- 000 * Ratio of library books to students enrolled- 11.8 <ul style="list-style-type: none"> • University arranges for E-subscriptions of Journals. An amount of approx. Rs 2:00 lac per annum is paid by the Institute towards this contribution • Using customized developed software for Library Management w.e.f. yr. 2000
23.	Courses in which student assessment of teachers is introduced and the action taken on student feedback	All BE., ME, MSc Courses.
24.	Unit cost of education	UG - Rs.56,000/- PG – Rs.45,000/-
25.	Computerization of administration and the process of admissions and examination results, issue of certificates	<ul style="list-style-type: none"> • All sections of Administrative Office are using computers and printers. • Using Customized developed software is being used Admissions, Accounts and Result processing w.e.f. year 2000.
26.	Increase in the infrastructural facilities	<ul style="list-style-type: none"> • IT Block • 100 capacity Boys Hostel
27.	Technology up gradation	<ul style="list-style-type: none"> • The infrastructure with advanced technology is being developed. • Class rooms facilitated with multimedia projectors and internet connectivity • Virtual class room.
28.	Computer and internet access and training to teachers and students	<ul style="list-style-type: none"> • 7x24 internet access to all the terminals with 1 GBPS Connection
29.	Financial aid to students	<ul style="list-style-type: none"> • Financial aid is provided to Physically handicapped students through Student Welfare department of DAVV • SC , ST Scholarship • Blind students scholarship

30	Activities and support from the Alumni Association	None								
31	Activities and support from the Parent Teacher Association	- Invocation lectures to the new admitted students & their parents. - Regular parents meeting planned.								
32.	Health services	-Common Health Centre of DAVV -Visit of Doctor to the IET Hostel								
33.	Performance in sports activities	See Annex-V								
34.	Incentives to outstanding sportspersons	Nil								
35.	Student achievements and awards	<table border="1"> <thead> <tr> <th></th> <th>GATE</th> <th>CAT</th> <th>GRE</th> </tr> </thead> <tbody> <tr> <td>2012-13</td> <td>269</td> <td>164</td> <td>21</td> </tr> </tbody> </table>		GATE	CAT	GRE	2012-13	269	164	21
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2012-13	269	164	21							
36.	Activities of the guidance and Counseling unit	<ul style="list-style-type: none"> -Mentor scheme started in year 2006-07, on a group of 15 students, a teacher mentor is assigned. Meetings are held twice a semester. Girls student welfare cell formed 								
37.	Placement services provided to students	-See Annex-VI <ul style="list-style-type: none"> 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 deputing upon the performance Collaboration with other UTDs, such as IIPS/ SCS. 								
38.	Development programs for non-teaching staff	None								
39.	Healthy practices of the institution	<ul style="list-style-type: none"> Academic schedule strictly followed. Strongest emphasis on class room teaching Result on time Best efforts for placement Karmachari Sahayata Kosh (charity practice) Grand level creational/ recreational activities by the students (Cultural programmes, etc.) 								
40.	Linkages developed with National / International, Academic / Research bodies	<ul style="list-style-type: none"> Collaboration with IIT Mumbai & RRCAT, Indore Accommodation of temporary location of new IIT at Indore for 05 years (2009-2015) 								
41.	Any other relevant information the	Student activity clubs are functioning See annex-VII								

	institutions wishes to add	
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Part C: Details of the plans of the Institution for the next year:

S.No.	Item Description	Area (sq. m.)
1	Library extension	2830
2	Civil Engineering department	4720
3	Mechanical Engineering Block extension	2732
4	Boys Hostel (remaining part 200 of 300 seated boys hostel)	4078
5	Additional Girls Hostel (200 seated)	6055
6	Cafeteria	125
7	3BHK (1 Block of 8 units)	920
8	Open air theatre	800
9	Outer development(Horticulture, Internal Roads path, Sewer, Water Drain and Leveling)	182127

- The research programmes in all relevant disciplines shall be strengthened by more PhD registrations and sponsored research projects.
- Digital Library with Latest Journals
- 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

Dr. Nagendra Sohani
Name & Signature
Coordinator QAC

Dr. Sanjiv Tokekar
Name & Signature
HEAD,UTD

Annexure I

Sr.	Conference/ Workshop /Seminar/Training	Experts	Date
1	“Aakash Android Application Programming” : An online workshop through virtual classroom conducted by IIT Bombay for Students on developing applications for Aakash Tablet device.	IIT Bombay	23 rd - 24 th Feb. 2013, 2 nd -3 rd March 2013
2	“Research Methodology in Education Technology”: An online workshop through virtual classroom conducted by IIT Bombay for faculty	IIT BOMBAY	2 nd Feb. and 9 th Feb. 2013
4	“Aakash for Education” An online ISTE workshop through virtual classroom conducted by IIT Bombay for faculty	Prof. Deepak B. Phatak IIT Bombay Prof. Uday Gaitonde IIT Bombay Prof. Kannan Moudagalya IIT Bombay	09 -10 November 2012
5	“Introduction to Research Methodologies” An online ISTE workshop through virtual classroom conducted by IIT Bombay under NMEICT for faculty	5. Prof. Shreepad Karmalkar IIT Madras 6. Prof. Uday Gaitonde IIT Bombay 7. Prof. Sahana Murthy IIT Bombay 8. Prof Santosh Noronha IIT Bombay	25 th June - 04 th July 2012
6	Manufacturing Excellence Program (MEP) Foundation Course by Mechanical Engineering Dept ,IET-DAVV, 17 participants	Faculty of Mech. Engg. Deptt.	23 June - 24 September '2008
7	Collab CAD Software Workshop by Mechanical Engineering Dept.	Expert from NIC Mr. K.S.Nagesh)	14-17 January 2009
8	Biometric systems and Software project Management 130 participants	Ms. Arti Agrawal Anaxee Technologies Pvt.Ltd. Director Mr.Vinod Raghunath Sathe ClearTrail Pvt Ltd Sr.Manager	6 th October 2012
9	National Workshop on Next Generation Networks No of participants : 45	Prof. Aditya Trivedi, ABVIITM, Gwalior, Dr. Anjali Sardana, IIT, Roorkee Prof. Anjan Ghosh, DAIICT, Gandhi Nagar Prof. K. Giridhar, IIT, Madras Dr. Karm V. Arya, ABVIITM, Gwalior, Prof. S C Sahastradudhhe, DAIICT, Gandhi Nagar	27th – 28th January,2012
10	Application Approach to Data Structure	Dr. Narendra Choudhary IIT,Indore Prof. A. K. Pujari Sambhalpur University,Orissa Vice Chancellor. Prof. Suresh Jain	29/09/2011 – 01/10/2011(four day)
11	Expert talk on Informatoin Retrieval and Semantic Analysis	Dr.Suresh Jain S.D. Bansal college of Engg Mr. Apoorv Sharma Opera Systems, Noida, New Delhi Sr. Analytics Specialis	16 march 2013(one day)
12	: ISTE Workshop on DBMS 30 participants	2. Prof. S. Sudarshan IIT, Bombay	21/05/2013 & 31/05/2013(Two weeks)
13	Two Week ISTE Workshop on Analog Electronics 22 participants	Prof. Anindya Sunder dhar IIT-KGP Prof. Pradip Manda IIT-KGP Prof. Indrajit Chakrabarti IIT-KGP	4th June -14th June , 2013
14	One day expert talk on Software Requirement Engineering organised by CSI Indore chapter	<ul style="list-style-type: none"> • Prof. Gopalsamy Ramesh • Prof. T.V. Gopal • Dr. Anil Rawat 	27 June 2011

15	Expert lecture On Empowerment of women through ICT	• Prof. A.K. Nayak	• 8 th Dec.2011.
16	Expert lecture On topic “Parallelization & Vectorisation of Programmes	• Dr. Supratim Biswas , Professor Deptt. of Computer Engg. IIT Bombay	• 14 July 2011 •
17	National seminar in collaboration with Institution of Engineers India on “Design & Analysis of Mechanical Systems using Optimization Techniques	• Dr. Sahani, NIRI • Dr. M.L.Jain, sgsits • Dr. Modak, IIT Rurki	• 14-15 October 2011
18	Vision of Mahamana Pt. Madan Mohan Malviyaaji for Engineering Education in India	• . Devendra Pratap Singh of Banaras Hindu Vishwavidyalaya.	• 04/01/2013
19	Poster exhibition on the life and works of swami Vivekananda , 150 th Birth Anniversary	•	• 17 th Sept.2012

Annexure II

PhD Data for 2012-13.

Sr. No.	Name	Supervisors	Registration Date	Branch	Topic
1	Mr. Pradeep Yadav	Dr. A. Tiwari	/23.07.2005	Mechanical Engg.	Condition Monitoring of Fluid Flow Systems Using Artificial Neural Network
2	Mr. Chandrakant N. Khernar	Dr. S.V. Tokekar	25.10.2005	Elex. & TC Engg.	Code & Energy Efficiencies for Software Defined Radios for Mobile Applications.
3	Mr. P.C. Sethia	Dr. S.K. Somani	/14.12.2005	Mechanical Engg.	A New Hybrid Approach in CPS/CMS for all Round Optimization
4	Mrs. Meena Sharma	Dr. M. Chandwani	22.03.2006	Computer Engg.	Development of Software Quality Metrics for Analysis and Design.
5	Mr. Rahul VPatil	Dr. S.K. Somani	/02.01.2007	Mechanical Engg.	Optimal Design with Dynamic Consideration.
7	Mr. A. Chandak	Dr.S.K. Somani	11.06.2007	Mechanical Engg.	Design Development Testing & Standardisation of Solar Thermal Gadgets for Industrial Applications
8	Mr. Mukul Shukla	Dr. Brijesh K. Joshi	23.01.2008	Computer Engg.	
9	Mrs. Pragya Shukla	Dr. M. Chandwani	25.09.2007	Computer Engg.	Study of Optimization Algorithms using Fuzzy Approaches and Their Applications.
10	Ku. Sunita Verma	Dr.(Smt.) V. Tokekar	08.10.2007	Computer Engg.	Investigation into QoS Requirements of Medium Access Control Protocol of Multihop Wireless Networks.
11	Mr. Ramesh K. Thakur	Dr. Suresh Jain	08.10.2007	Computer Engg.	Information Extraction from Semi-structured & Unstructured Data Using Grammatical Inference
12	Mr. Manish M. Choudhary	Dr. N. Seth	15.10.2007	Mechanical Engg.	Study of Green Supply Chain Management Practices in Manufacturing Industries
13	Mr. Devendra S. Verma	Dr. A. Tiwari	13.08.2007/ 30.08.2007	Mechanical Engg.	Evolution of Logical Framework for Product Development using Quality Function Deployment
14	Mr. Ajay Verma	Dr. Nitin Seth	13.09.2007/ 22.09.2007	Mechanical Engg.	" Investigation on Supply Chain Competitiveness in Manufacturing Industries "
15	Mr. Satyaprakash Trivedi	Dr. Shashi Prakash	16.09.2008	Applied Physics	Application of Grating Shearing Interferometry in Optical Testing & Measurement
16	Mr. Aaquil Bunglowala	Dr. Ajay Verma	16.09.2008	Elec.& Tele. Engg.	Optimization of Hybrid Techniques for Standard Cell Placement in VLSI Design.

17	Mr. Pankaj Dashore	Dr. Suresh Jain	19.09.2008	Computer Engg.	Representation of Uncertain Knowledge using Fuzzy Logic & Metagraph.
18	Mr. Jitendra Kumar Sharma	Dr. Ashesh Tiwari	29.09.2008	Mechanical Engg.	"An Artificial Neural Network approach to Reciprocating Compressor Condition Monitoring"
19	Mrs. Raksha Uppadhyay	Dr. S.,V.Tokekar	1/12/2008	E & Tele Engg.	Performance Analysis of Wireless Networks in Fading Channel
20	Mr. Jitendra Dhanotiya	Dr. Shashi Prakash	16.03.2009	Elex.& Inst. Engg.	Investigation in Optical Metrology Using Disital Grating Shearography
21	Mr. Dharmendra A.Mehta	Dr. M. Chandwani	12.05.2009	Computer Engg.	Performance Enhancement of Dynamic Load Balancing Techniques in NUMA Multiprocessor Environment.
		Dr. Priyesh kanungo			Performance Enhancement of Dynamic Load Balancing Techniques in NUMA Multiprocessor Environment.
22	Mrs Supriya M. Kelkar	Dr. Raj Kamal	27.05.2009	E & Tc. Engg.	
23	Mrs. Priti Trivedi	Dr. Ajay Verma	5/6/2009	E & Tc. Engg.	Effect of various Parameters on Performance of Sigma Delta ADC for Software Defined Radio Mobile Receivers
24	Mrs. Nikita Vats Doohan	Dr. D.K. Mishra	23/06/09	Computer Engg.	Handling Mobility in highly data Centric wireless senser Networks
25	Mr. Anand Rajavat	Dr. V. Tokekar	15.07.2009	Computer Engg.	Investigations of Rish Engineering in Reengineering Process of Software Systems
26	Mr. Jigyasu Dubey	Dr. V. Tokekar	15.07.2009	Computer Engg.	investigations of Peer-to-Peer Networks for Large Scale Computing Problems
27	Mr. Manish Sharma	Dr. Ajay Verma	21.08.2009	E.& Tele. Engg.	Wavelet Adaptive Observer Based Control for a Class of Uncertain Nonlinear Systems with Delayed States and Input Subjected to Actuator Saturation
28	Mr. Rajkumar Sharma	Dr. Priyesh kanungo	17.08.2009	Computer Engg.	Dynamic Load Balancing in Network of Workstations of Different Computing Power
29	Mrs. Uma Bhatt	Dr. S.V. Tokekar	10.08.2009	E.& Tele. Engg.	Investigation on Routing and Provisioing Issues in Survivable WDM Optical Networks
30	Mrs. Madhvi Jangalwa	Dr. V. Tokekar	03.10.2009	E & Tc.	On the Capacity Enhancement Technique in Multy carrier Spread Spectrum System
31	Mr. Hemant Makwana	Dr. Suresh Jain	01.10.2009	Computer Engg.	Improving the effectiveness of visualization techniques for multidimensional data sets
32	Mrs. Bhawna Nigam	Dr. S.V. Tokekar	03.10.2009	Computer Engg.	Models for analysis of user behavior from user navigation sessions
33	Mrs. Shivangin Bande	Dr. Ajay Verma	06.10.2009	E & Tc.	Detection, Extraction and identification of moving objects in dynamic scene

		Dr. S.V. Tokekar			
34	Mrs. Pratibha Singh	Dr. Ajay Verma	06.10.2009	E & Tc.	Investigation in Devnagri Handwriting Recognition
35	Mr.Dharmendra Singh Yadav	Dr.Shashi Prakash	10/10/2009	E & Tc.	Simulation & Design of Optimizatyon Algorithms for routing and fault management in optical networks
36	Ms.Anagha R. Kulkarni	Dr.(mrs) Vrinda Tokekar	21.06.2011	Computer Engg.	CNTEXT- Based Document Mining
37	Mr. Sanjay Jain	Dr. Ashesh Tiwari	23.10.2010	Mechanical Engg.	
38	Mr. Amit Kumar Gupta	Dr. Ashesh Tiwari	23.10.2010	Mechanical Engg.	
39	Mr. Yash Dave	Dr.Nagendra Sohni	25.10.2010	Mechanical Engg.	Development of Integrated Model for Improving Productivity Through Lean Manufacturing Practices
40	Mr.Hemant Marmat	Dr.Nagendra Sohni	25.10.2010	Mechanical Engg.	
41	Mr. Rajveer Singh Doohan	Dr. Govind Maheshwari	23.10.2010	Mechanical Engg.	Exergy Analyses of Expansion Engine Based Cryogenica Helium Refrigerators/Liqueflers
42	Mrs. Reena Deeswal	Dr. Shashiprakash	07.02.2011	E & I Engg.	Application of Automated Interferogram Analysis for Engineering Metrology
43	Mrs. Abha Jain	Dr. S.V. Tokekar	31.05.2011	E &Tele. Engg.	Simulation and performance evaluation of adaptive vertical handoff in USTS and wlan network
44	Mr. Ram Janm Singh	Dr. Nagendra Sohani	19.05.2011	Mechanical Engg.	Supply Chain Integration and Performance evaluation : an Exploratory Research in Indian Manufacturing Industries
45	Mr. Dharendra Vikram Singh	Dr. Govind Maheshwari	19.05.2011	Mechanical Engg.	Modeling of Energy & Exergy Analysis of Vapour Absorption System Using Different Refrigerants By Artificial Neural Network
46	Mrs. Juhi Kamakoti	Dr. Nagendra Sohani	16.05.2011	Mechanical Engg.	Development of Measure of Service Quality Across Supply Chain and ITS Impact on Overall Supply Chain Performanc
47	Mr. Mohit Maheshwarkar	Dr. Nagendra Sohani	20.05.2011	Mechanical Engg.	Evaluation of Knowledge Management Levels Based on Multi Criteria Analysis
49	Mr. Ashish Kumar Jain	Dr.(mrs) Vrinda Tokekar	20.11.2009	Computer Engg.	"Security Enhencement of Routing Protocos in Mobile Ad Hoc Networks Using Trused Comouting "
50	Mr.Chetan Awasthi	Dr.Priyesh Kanungo	13.05.2011	Computer Engg.	Development of Economy Based Resource Broker Framework for cloud Computing Environment
51	Ms. Sufia Aziz	Dr. P.V. Khadikar	10/7/2009	Applied Mathematics	Studies on Graph Theoretical Descriptors in Nano- Technology : Carbon Nanotubes

Annexure III

Journal Papers Publications July 2012-June 2013

- 1) Sharma J, Gupta AK, “Modal Analysis of Steam Turbine Rotor by FEA”. International Journal of Management Science & Technology, 1, 1, 123-134, ISSN 2277-4963, 2012.
- 2) Sondhiya O P, Gupta A K, “Wear Debris Analysis of Automotive Engine Lubricating Oil Using By Ferrography”, International Journal of Engineering and Innovative Technology (IJEIT) 2, 5, ISSN: 2277-3754, 2012. (Impact Factor-1.895)
- 3) Gupta A K, Tiwari A, “Acoustic Characterization of Reactive Mufflers by Different Cross Sections Using One-Dimensional Analysis” PARIPEX - Indian Journal of Research ISSN 2250-1991, 2, 3, 2013. (Impact Factor-0.3208)
- 4) Razvi M A, Tiwari A, “Investigations and Analysis of Tribological Properties for Engineering Materials” International Journal of Scientific & Engineering Research, 3, 3, ISSN 2229-5518, 2012. (Impact Factor-1.4)
- 5) Ambekar G, Torgal S, Tiwari A, “Results of Enumeration of Kinematic Chains Using Identification Code For 8 – Linked Single & Three degrees of Freedom (Part2)” National Journal of Technology, 8, 1, ISSN Code:0973-1334, 2012.
- 6) Verma D, Negi J, Tiwari A, “ Determination of Target values for technical requirement in QFD using data envelopment analysis” , National Journal of Industrial Engineering Journal, 5, 8, ISSN 0970-2555, 2012.
- 7) Gupta A, Tiwari A, “Acoustic Characterization of Reactive Muffler by Different cross section using one dimensional analysis”, Peripex Indian Journal of Research, ISSN 2250-1991,2, 3, 2013. (Impact Factor-0.3208)
- 8) Tiwari A, Jatola R, “Fault Detection in Bearing using Envelop Analysis” , Peripex Indian Journal of Research, ISSN 2250-1991,3, 5, 2013. (Impact Factor-0.3208)
- 9) Tiwari A., Bhiwapurkar H,” Fault Diagnosis of Gear Box using Cepstrum Analysis”, Indian Journal of Applied Research, June 2013 (In Press) (Impact Factor-0.8215)
- 10) Nigam A, Nigam B, Vatsa D, “Generating all Navigational Test Cases using Cyclomatic Complexity from Design Documents for Mobile Application”, International Journal of Computer Applications (0975 – 8887) 40,12, 2012. (Impact Factor-0.835)
- 11) Nigam B, Jain S, Tokekar S, “Mining Association Rules from Web Logs by Incorporating Structural Knowledge of Website”, International Journal of Computer Applications 42,11,17-23, 2012. (Impact Factor-0.835)
- 12) Nigam A, Arya N, Nigam B, Jain D, “Tool for Automatic Discovery of Ambiguity in Requirements”, International Journal of Computer Science Issues, 9, 5, ISSN 1694-0814, 2012. (Impact Factor-2.3176)
- 13) Atre N, Nitnawwre D, “Comparative Analysis of Channel Fading Models in Wireless Sensor Network”, Indian Journal of Applied Research, 3, 4, ISSN: 2249-555X and Impact Factor = 0.8215, 2013. (Impact Factor-0.8215)
- 14) Sharma M, Vishwakarma R G , “Evaluation & Validation of Work Products in Unified Software Development Process,” , IJSEA- International Journal of Software Engineering & Applications, 3, 2, Academy & Industry Research Collaboration Center, ISBN 0975–9018, 0976-2221, 2012.
- 15) Sharma M, Vishwakarma R G , “Quality Evaluation of Object Oriented Visual Models in Unified Software Development Process,” International Journal of Computer Applications (IJCA), 46, 13, ISBN 973-93-80868-57-7, 2012. (Impact Factor-0.835)

- 16) Sharma M, Vishwakarma R G, "Importance of Object Constraints in Software Development," International Journal of Programming Languages and Applications (IJPLA), 2, 4, ISBN 1839-6291, 2012.
- 17) Durga G, Sharma M, " OOF: Mapping the OOSE Models into Function Points: Rules, Tool and Case Study," IJMER - International Journal of Modern Engineering Research, 2, 4, 1923-1928, ISBN 2249-6645, 2012.
- 18) Chourey V, Sharma M, "Reviewing Testability of Object Oriented Systems for Non-Functional Specifications," IJMER - International Journal of Modern Engineering Research, 2, 4, 2601 – 2606, ISBN 2249-6645, 2012.
- 19) Jaiswal A, Sharma M, "An Expert Estimator Tool to Estimate Project Cost and Risk with Early Stage of Function Points," IJSEA - International Journal of Software Engineering & Applications, 3, 5, ISBN 0975 – 9018, 2012.
- 20) Sharma M, Vishwakarma R, "CMMI Based Software Metrics For OOAD", International Journal of Programming Languages and Applications (IJPLA), 3, 1 , Academy & Industry Research Collaboration Center (AIRCC), ISSN : 1839-6291, 2013.
- 21) Shukla P, "Query Optimization Using Case Base Reasoning With Replacement Policy", International Journal of Scientific & Engineering Research, 4, 6, 2013. (Impact Factor-1.4)
- 22) Shukla P, "Predicting Purchasing Behaviour of Customer by Analyzing cluster of Customers", International Journal of Scientific & Engineering Research, 4, 7, 2013. (Impact Factor-1.4)
- 23) Gupta R, Tayal A, Amir S M, Gupta M, Gupta A, Horisberger M, Stahn J, "Formation of iron nitride thin films with Al and Ti additives", J. Appl. Phys. 111, 103520, 2012. (Impact Factor-2.210)
- 24) Sindal R, Tokekar S, "A Soft Computing based Adaptive Call Admission Control Scheme for Bi-class Traffic in CDMA Cellular Network", International Journal of Computer Applications (0975 – 8887), 40,14, 15-21.(Impact factor-0.814) , 2012. (Impact Factor-0.814)
- 25) Sharma N, Sindal S, "Modified Booth Multiplier using Wallace Structure and Efficient Carry Select Adder" International Journal of Computer Applications (0975 – 8887), 68,13, 39-42.(Impact factor-0.814) , 2013. (Impact Factor-0.814)
- 26) Dhanotia J, Prakash S, "Focal length and radius of curvature measurement using coherent gradient sensing and Fourier fringe analysis", Optik - Int. J. Light Electron Opt., 2012. (Impact Factor-0.51)
- 27) Yadav D S, Prakash S, "An efficient resources allocation strategy for survivable WDM network under static lightpath demand", Optik - Int. J. Light Electron Opt., 2012.(Impact Factor-0.51)
- 28) Trivedi S P, Dhanotia J, Prakash S, "Measurement of focal length using phase shifted moire deflectometry", "Optics and Lasers in Engineering, Optics and Lasers in Engineering 51, 776–782, 2013.(Impact Factor-1.91)
- 29) Yadav D S, Rana S, Prakash S, "A Mixed Connection Recovery Strategy for Surviving Dual Link Failure in WDM Networks" Optical Fiber Technology 19, 154–161, 2013.(Impact Factor-1.187)
- 30) Trivedi S P, Prakash S, "Measurement of slope of bent plates using phase shifted moiré deflectometry" Journal of Modern Optics 59, 1016-1022, 2012. .(Impact Factor-1.145)
- 31) Yadav D S, Prakash S, "A Resource Efficient Fast Recovery Strategy for Survivable WDM Networks" Trends in Opto-Electro & Optical Communications 2, 1-17, 2012.

- 32) Mehranian Z, Ashrafi A R, Khadikar P V, Aziz S, Pandit S, Achrya H, Shaik B, “Revised Szegeed Index of TC4C8(R) Nanotorus”, *Studia Ubb Chemia, Romania*, 57,3, 59-63, 2012. (Impact Factor-0.13)
- 33) Khadikar PV, Ashrafi A , Diudea M V, Aziz S, Pandit S, Achrya H, Shaik B, Agrawal V K, “Sadhana Index in Nanotechnology”, *J. of Comp. and Theor. Nanoscience*, 10, 181-188, 2013.
- 34) Jain V, Kumar A, Panda P, "Exploiting UML based Validation for Compliance Checking of TLM 2 based Models", *Int. Journal on Design Automation of Embedded Systems*, 16,2, 93-113, Springer Netherlands, 2012.
- 35) Dabade S, Mandloi D , Khare D, “Physical and Chemical testing of Compounded PVC”, *Indian Journal of Applied Research (ISSN No. 2249-555X)*, Ahmedabad, 1,5, 95-96, 2012. (Impact Factor-0.8215)
- 36) Verma L, Mandloi D, “Green Buildings: It’s Importance in present Indian scenario”. *Journal of Environmental Science, Computer Science and Engineering & Technology*, E-ISSN: 2278–179X, (www.jecet.org), Udaipur, 1,1, 9-13, 2012.
- 37) Khare D K, Mandloi D, “Synthesis and Antimicrobial Studies of some novel Mannich bases derived from secondary amines” *International Journal of Basic and Applied Chemical Sciences* ISSN: 2277-2073 (Online <http://www.cibtech.org/jcs.htm>), 2,1, 37-42, 2012.
- 38) Thakur V, Mandloi D “A Prudent approach to Civil Engineering: Nanomaterials”. *Journal of Environmental Science, Computer Science and Engineering & Technology*, E-ISSN: 2278–179X, (www.jecet.org), Udaipur, 1,3, 263-270, 2012.
- 39) Gupta A, Mandloi D, Khare D, Gupta S, “Case Study of Air and Noise Pollution in Diwali season in Indore” *Indian Journal of Scholarly Research*, ISSN: 2278-8271, (www.ijosr.org), Ahmedabad, 2,2, 14-16, 2013.
- 40) Thakur V, Mandloi D, Deepak Khare and Shailesh Gupta, “Significance of Silica Fume in Enhancing the Quality of Concrete” *International Journal of Engineering Research*, ISSN : 2319-6890, (www.ijer.in), 2,2, 95-100, 2013.
- 41) Gupta S, Agrawal R, Mandloi D, Solanki J, “ Implementation of Green Chemistry: Benign by Design” *Journal of Environment and Social Science Research*, 2, 66-74, 2013.
- 42) Varma S, Tokekar V, Vyas U, Thakar U, " A Comparative Study of Rate Matching and IG-MAC Schemes in Multi -Rate Ad hoc Networks", *International Journal of Computer Science, Information Technology and Security(IJCSITS)*, 2.1, 4-10, 2012.
- 43) Rajavat A, Tokekar V, “EReeRisk- Efficient Risk Impact Measurement Tool For Reengineering Process of Legacy Software System”, *International Journal of Programming Languages and Applications (IJPLA)* 3,2, DOI : 10.5121/ijpla.2013.3202, 2013.
- 44) Dubey J, Tokekar V, “Identification of Efficient Peers in P2P Computing Systems for Real Time Applications”, *International Journal of Peer to Peer Networks (IJP2P)* 3, 6, November 2012.
- 45) Bhatt U R, Tokekar S, “Path length based wavelength assignment strategy: An algorithm for efficient system performance in wavelength routed WDM networks", *Optik - Int. J. Light Electron Opt.* (ISSN/ISBN-0030-4026, impact factor- .54), 24, 483– 486, 2013(Impact Factor-0.51)
- 46) Upadhyay R, Vyavahare P D, Tokekar S, “Collision Resolution Schemes with non-Overlapped Contention Slots for Heterogeneous and Homogeneous WLAN”, *Journal of Engineering*, 2013, Article ID 852959, 9 pages <http://dx.doi.org/10.1155/2013/852959>. Hinwawi, 2013.

- 47) Jain P, Bhatt U, Upadhyay R, “Performance Analysis of Various Routing Protocols in Mobile Ad-Hoc Network”, *Computech: an international journal of computer science* ISSN no 2229-4589, 03, 06, 2013 (Impact factor -1.071).
- 48) Jain S, Upadhyay R, “Performance Improvement of IEEE 802.22 WRAN Physical Layer Performance of Wi-max using Adaptive Equalization and RS-CC concatenated codes” in *IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)* e-ISSN: 2278-2834,p- ISSN: 2278-8735. 6, PP 94-98, 2013.(Impact Factor-1)

International Conference Publication July 2012 – June 2013

1. Nigam A, Nigam B, Bhaisare C, Arya N, “Classifying the Bugs Using Multi-Class Semi Supervised Support Vector Machine”, *International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME-2012)* Digital Object Identifier: 10.1109/ICPRIME.2012.6208378 Publication Year: 2012 , Page(s): 393 – 397
2. Prajapati G L, “Learning Alignment Profiles for Structural Similarity Measure” *The 7th IEEE conference on Industrial Electronics and Applications (ICIEA 2012)*, 18-20 July 2012 SINGAPORE
3. Prajapati G L, “An Extended Approach for SMS Security using Authentication Functions” *The 7th IEEE conference on Industrial Electronics and Applications (ICIEA 2012)*, 18-20 July 2012 SINGAPORE.
4. Prajapati G L, *CSI Sixth International Conference on Software Engineering (CONSEG)*, 05 - 07 Sep 2012, DAVV, Indore, India
5. Sharma M , Vishwakarma R G, “Investigations On Object Constraints In Unified Software Development Process, ” , In *The Second International Conference on Advances in Computing and Information Technology (ACITY 2012)*, July 13 ~ 15, 2012, Chennai, India. Published by Springer in *Advances in Intelligent and Soft Computing*, Journal Details: *Advances in Intelligent Systems and Computing* Volume 177, 2013, pp 423-432, ISSN: 2194-5357 (Print) 2194-5365 (Online).
6. Sharma M , Vishwakarma R G, “Developing Software Metrics For Analysis & Design Artifacts In Unified Process”, In “*The Second International Conference on Computer Science and Information Technology,*” (CCSIT- 2012), January 2 - 4, 2012, Bangalore, India, published by Springer, Journal Details: *Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (LNICST)*, Vol. 85, No. II, *Advances in Computer Science and Information Technology*. Computer Science and Engineering; ISBN: 978-3-642-27307-0 (Print) 978-3-642-27308-7 (Online) pp. 71—80.
7. Sindal R, Tokekar S, “A Comparative Analysis of Queuing and Fuzzy Logic based Admission Control Schemes in CDMA Cellular Network”, *C3IT International Conference*, Hoogly, *Procedia Technology* Vol.4, 2012, pp 145 – 150. (Available online at www.sciencedirect.com, doi: 10.1016/j.protcy.2012.05.021)
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Annexure IV

Highlight the participation of students and faculty in extension activities.

Students are associated with 'NSS' and the club 'Engineers without borders' through which they are actively participating in blood donation activity Voter awareness programmes, Pulse Polio Immunization programme, etc

1. Engineers Without Border

- Engineers Without Border (EWB) of IET design & installed water purification plant at school in Ralamandal in September'2012.
- Collection camp: Was Organised within the premises of IET-DAVV , in the mid of July to collect the cloths, stationary, and other entity to help other Needy people . It was 96 collection made by the Students And the Donation were given to the Jeevan-Shala and child Line organisations.
- Plantation: A Day Long Plantation event Held within the premises of IET-DAVV And Cleaning thrash All Along college within the same day was organised During September month. Around 50 plants were Sowed At this event by 23 group members
- Blood Donation Event: A donation drive with help of M.Y Hospital ,Indore was Organised within the college during this February . It was 79 Donations that were made .
- Woman's Day Celebration : It was celebrated with full joy At Mahesh jyoti kalyan blind School . A Seminar cum motivational speech was organised for the Student And Cakes refreshment were given to the blind student their. The school has around 100 odd student.
- IET-Success Stories: 14th March 2013, A Seminar Cum Alumni Meet for Student to give them a vibe direction in their career orientation and a focus on current placement scenario. The Number of Students who attended the seminar was 150 and 6 final year students that had given the seminar.

2. NSS Branch of IET

- Participation, after selection, of the NSS Unit IET DAVV volunteer Mr. Utkarsh Garhwal in the 10 days National Level Camp for Tracking and other Adventure Activities at Solan Nala, Manali District Himachal Pradesh during 13-23th June 2012.
- Participation of Programme Officer along with 06 NSS Volunteers in the Paryavaran Sanrakshan Jan-Jagaran Rally on the occasion of World Environment Day on 5th June 2012 organised by NSS DAVV Indore in association with Vigyaan Bharti and M.P. Pollution Control Board, Indore.
- SADBHAAVNA DIWAS PLEDGE organized at IET-DAVV Campus on 22nd August 2013. Approximately 413 students took the pledge to foster communal harmony.
- Nutritional Week activities (from 1st-7th September 2012) Poshan Aahaar Saptah Jaagarukta Abhiyaan for the infants and mothers in an attempt to reduce the infant mortality rates. The NSS Volunteers visited the Chacha Nehru Bal Hospital, M.Y. Hospital and the nearby areas and provided the guidelines on infant and young child feeding to the parents and also explained the various health and nutrition related issues.

- Participation of Programme Officer along with the 54 NSS volunteers in the VISHWA CHICAGO DIWAS PROGRAMME organized at DAVV Auditorium on 11th September 2012.
- NSS Volunteers conducted a survey on the educational status of the lower income group children in the IET-Campus and the nearby areas on 16th September 2012.
- Organized a Pledge to Follow the Traffic Rules on The National Service Scheme Day 24/09/2012. Approximately 400 students took the pledge to follow the traffic rules.
- Volunteering work was undertaken by the NSS Volunteers for the (1) Exhibition of the Documentary Film on the life of Swami Vivekananda (Vivekananda by Vivekananda produced by Sri Ramkrishna Math Chennai) on 03/10/2012 at Dr. M Chandwani Memorial Hall at IET-DAVV Indore. (2) Ramkrishna Mission Math Literature and Poster Exhibition on the Life and Works of Swami Vivekananda at IET-DAVV Indore. More than 250 students watched the film & the exhibition and benefitted from them.
- Conducted Yoga Sessions for the benefit of IET-DAVV students on 14th-21th October 2012 at IET-DAVV. Approximately 20 students participated in the above said activity.
- NSS Unit conducted the Shramdaan Activity on the occasion of Vasant Panchami on 14/02/2013 wherein the cleaning of the Hostel Area and Teaching Blocks was done. The cleaning work involved was the removal of weeds, plastic and other wastes from various sites. Approximately 51 persons including the NSS Programme Officer and Volunteers were involved in the above said activity.
- Participation of 03 NSS Volunteers of IET-DAVV in the District level NSS Camp organized at Rangwasa, Rau Indore from 27/02/2013-05/03/2013.

Annexure V
REPORT ON INTER BRANCH FOOTBALL
AT IET DAVV

Inter Branch Football event was organized from 10 Oct, 2012 to 12 Oct, 2012 at university football ground. Eight teams had participated in the event. The tournament was played on the Knock Out basis. Seven matches have been played. All the players have participated with full enthusiasm and game spirit.

Results of the semi-final are as following:

SEMI-FINAL 1: IT-A defeated MECH (1-0)

It was an exciting match which went down to the wire. MECH started the game aggressively and made many chances but because of their misfortune could not convert them. Credit to strong defence of IT-A who were able to seize their opportunity and winning goal was scored by NITIN KHEDKAR

SEMI-FINAL 2: E&TC defeated CS-B (3-0)

E&TC showed their dominance over CS-B. In the first half RISHABH MAKWANA scored a fantabulous goal from almost centre of the ground. In the second half MILIND SATAM and NAVEEN BONDAD scored one goal each to seal the game for E&TC. CS-B played well but E&TC proved to be too hot for them

FINALS (E&TC v/s IT-A)

Finals started in the presence of our honourable director, Dr. Sanjeev Tokekar; Dr. Vrinda Tokekar; Dr. Devendra Verma and few other senior faculties. It was a match between the equals as no team could dominate other. IT-A, as expected, were splendid at defence who restricted E&TC from taking lead. IT-A kept on making some chances through Ankit Sahu and others but were not able to penetrate the goal in the main time which compelled penalty shootout. The captain of E&TC (MILIND SATAM) decided to be the goal keeper himself for shootout while MAYANK AGRAWAL did the job for IT-A

FINAL RESULT- E&TC won the ISC Championship.

IT-A secured the runner-up position

Mechanical has secured third position

Annexure VI

Report of the I Phase Placements of the 2013 Batch(IET-DAVV Indore)

Despite global recession in the year 2012, Institute of Engineering and Technology (IET-DAVV,Indore) remained intact in the matter of campus recruitment. In this year, Information Technology (IT) industries were the biggest recruiter in terms of the bulk recruitment. Core engineering industries offered the best packages for the students of IET.

Find below (in Tabular Form) the number of companies visited (I Phase) and the offers made by them during their campus drive in IET-DAVV for the students of 2013 batch.

Sr. No.	Company's Name	Branches Allowed	No. of offers	No. of students Accepting offer/selected	Salary Package/annum
1.	Tata Technologies	Mechanical	13	13	4.15
2.	John Deere	Mechanical	04	04	4.00
3.	Mu Sigma	All (Except Civil, Mech)	08	08	4.50
4.	Adobe	Comp & IT	02	02	11.0
5.	CSC	All (Except Civil, Mech)	23	23	3.8
6.	Accenture	All	167	167	3.15
7.	Wipro	All	129	45	3.25
8.	Infosys	All	56	18	3.25
9.	Cap Gemini	All (Except Civil, Mech)	17	17	3.25
10.	Tek Link	Comp & IT	06	06	3.5
11.	Head Strong	Comp & IT	10	03	3.5
12.	Persistent	Comp & IT	-----	-----	3.0
13.	Impetus	Comp & IT	-----	-----	3.0
14.	I-cheez	E&TC	02	02	5.1
15.	Infobeans	Comp & IT	-----	-----	3.0

General Statistics:

- Total No. of companies visited 23
- No. of offers made during the campus process: 437
- No. of students getting at least one offer: 327
- No. of students having multiple offers:129
- Placements percentage for 2013 batch during I Phase is 66% out of total 469 eligible students
- IET-DAVV is the only Single Institute all across MP where the placement number of the students of 2013 batch have crossed 300+ figure. Apart from IITs/NITs, not many Single Institutes in India have crossed 300 figure (As told by many company officials)

Annexure VII

Details of “beyond syllabus scholarly activities” of the department.

Students organized and participate different technical events through different student chapters working in Institute. Following Student chapters are working in Institute:

- 1 Society of Automotive Engineers
- 2 Indian Society of Heating refrigerating and Air Conditioning Engineers.
- 3 Computer Society of India
- 4 IEEE student chapter
- 5 Institution of Engineers, India, Students Chapter

1. Society of Automotive Engineers

- Students of Mechanical Engineering SAE BAJA Club IET for participated in VIRTUAL BAJA SAEINDIA 2011-12. Our college team as Team NEBULA of Mechanical students participated in BAHA (automotive vehicle design and manufacturing contest and won Rs 2 lac prize for Go green design category in 2011-12
- Students of Mechanical Engineering SAE BAJA Club IET for participated in VIRTUAL BAJA SAEINDIA 2010-2011 Competition held at India Habitat Centre Delhi from 2nd-3rd July 2010. Mechanical students participated in BAHA (automotive vehicle design and manufacturing contest and won Rs 1 lac prize for best green design in 2010-11.
- Arranged and conducted one day Seminar on “Power Train Design and Development for students of SAE CLUB of Engineering Institutes of M.P. on 17 July 2010 at University Auditorium.

2. Indian Society of Heating refrigerating and Air Conditioning Engineers

The following were the important ISHRAE (Indian Society of Heating Refrigerating and Air-Conditioning Engineers) activities carried out during Technochill 2013

- The ISHRAE IET student chapter was installed July 17, 2010. Mr Ashish Rakheja, ex ISHRAE president delivered the oath to the student members
- The Student members visit the Central Mall in Indore in November 2010. The technical details along with the various Air conditioning equipments were laid open before the student.
- Indian Society of Heating Refrigerating and Air conditioning Engineers (ISHRAE) Indore, Indore conducted its annual Techfest for the students ‘Technochill 2013’ on March 02, 2013 along with Vindhya Institute of Technology and Science, Indore. The programme has technical and motivational lectures, quiz competition ‘Quizwiz’, technical workshop and cultural fest ‘Culfest’.
 - Mr. Deepak Arzare, Scientific Officer, Raja Ramanna Centre for Advanced Research (RRCAT), Indore was the Chief Guest.
 - Mr Arzare president of ISHRAE Indore chapter.
 - Mr. Bharat Doshi, President, ISHRAE Indore Chapter,
- The last event was the Culfest.
Technochill 2012

- Institute of Engineering & Technology, Devi Ahilya Vishwavidyalaya (IET-DAVV), Indore hosted annual techfest 'Technochill 2012' for the Indian Society of Heating Refrigerating and Air conditioning Engineers (ISHRAE) Indore's various students member on February 15, 2012 in the University auditorium. The programme has technical and motivational lectures, quiz competition 'Quizwiz', technical workshop and cultural fest 'Culfest'.
- Mr. Deepak Kemkar, CEO, Cristophiya Energy Systems Pvt. Ltd.
- Mr. Deepak Arzare, President, ISHRAE Indore Chapter,
- Mr. Akash Sethiya, CEO, CH-Edgemakers, Indore.
- Mr. Chandragupta Jain,

3. IET Student Branch of Computer Society of India

"The beginning of knowledge is the discovery of something one do not understand."

- 1 The IET Student Branch of Computer Society Of India organized a Two Day(5th - 6th Aug,2011) Event called "Quiz Trix" and Knock Out. Many exciting prizes like original Antivirus, Headphones, Games DVD's were given encouraging the spirits of the final qualifying teams. The goodies were also distributed among the audience who correctly answered the questions.
- 2 Quiztrix 2.0
- 3 CSI-IET organised the Quiz Competition -Quiztrix 2k12 on 30th and 31st August'12. A huge participation from students made the event a success. The competition had 3 rounds which were held in 2 days
- 4 The Tic-Tac-Toe game played with the audience made the quiz more enthusiastic and interactive.
- 5 TECHNOFEAST
 "CSI-IET Student Branch" also organised a series of workshops under the event "TECHNOFEAST". It commenced with the workshop SMART COMPUTING on 25th August 2012. It was followed by SMART CLOUD VISION on 7th October 2012. In the series we had KNOW YOUR SYSTEM, which was conducted on 10th October 2012 based on an insight into system's software and hardware along with some computer tips and tricks. This was followed by the seminar on ROBOTICS held on 08th October 2012 in which the students gained knowledge about basics of robots. The concluding workshop was on the PRINTED CIRCUIT BOARD held on 14th October 2012..

4. IEEE Student Branch, IET

- A short seminar on "Introductory Robotics" was organized by the IEEE Student Branch, IET and EWB Student chapter, IET on Jan 26, 2012 in Computer Science block, IET for 1st year Students of the institute. The Speaker in seminar was Mr Nipun Kanade. The Seminar was attended by 137 students.
- A hands-on workshop on Robotics was organized by the IEEE Student Branch, IET and EWB Student chapter, IET on February 12 for all students of the institute.
- On 23 March 2012, a PCB Design workshop was organized in collaboration with EWB Student Chapter, IET for all students of Indore. It had 98 attendees including faculties from other engineering colleges as well.
- On 14th July 2012, Mr. D.P Kothari, Fellow, IEEE addressed students and faculty of the institute on the topic of "Energy and Environmental Problems Facing the Third World and their probable Solutions". Addressing the gathering in a friendly manner he pointed out the key energy challenges that are being currently faced. 60 students and faculties attended the event.

Students Club Activities

1. Forces Club

- Music Concert showcasing a performance by AGNEE BAND-MTV's Official Rock Band on 10th February 2013. A participation of approximately 3000 students was witnessed in this event.
- Inter College Dance and Fashion Show on the 11th February 2013. Teams that participated in 9 groups with a crowd gathering of 1500 students
- Seminar on Ethical Hacking by Ankit Fadia on 21st September 2012. The event saw a crowd gathering of 1000 students.
- Aaghaaz organized for BE 1st year students to have an interaction between 1st year students and senior batches. The event was organized on the 27th of August 2012 and it saw a crowd gathering of 300 students.
- Planned "Phoenix" for the 22nd and 23rd of March 2013. It is a technical fest which will see workshops and seminars for all branches of engineering students. The event is open for all engineering colleges

2. Abacus Club

- Gajendra Verma's Musical Night on the 16th Feb. 2013. The approximate crowd which participated in the event was 3000.
- War of Strings" A Band Competitions on the 15th Feb. 2013 followed by a Head Line Band i.e. Devoid. The students who attended the event were 500.
- Quiz Competitions, Dance Competitions and Stage Plays on the 15th September 2012. The event witnessed by 1000 students.
- A seminar on Mobile App Development on 17th September 2012. The event witnessed crowd strength of 500 students.
- Roobaroo on the 23rd August 2012. The event consisted of many fun events in the name of Treasure Hunt, Matki Gulail etc. The event witnessed a crowd gathering of 300 students
- Google Student Ambassador Programme
- DevFest W which consisted seminars delivered by esteemed panel from Google India
- Website designing using Google tools at Choithram Public School on 11th February 2013
- Google Quiz on 8th March 2013
- Google Apps for Education and Seminar on G+ hangout & G-mail on 6th March 2013

Details of Annual Function Aakshank-2013

The results of different events organized under AAKSHANK 2013 are as follows:

S.No	Event Name	Winner	Runner
1.	VAANI (Inter-branch Song Competition)	E&TC Engg.	Computer Engg
2.	AADAKARI (Inter-branch Skit Competition)	Information Technology	Mechanical Engg.
3.	NRITYANGAN(Inter-branch dance Competition)	Information Technology	E&TC Engg
4.	MRIDAKSH (Inter-branch Fashion Show Competition)	Mechanical Engg.	Computer Engg
5.	Mr.Mridaksh	Contestant no.2	Contestant no.1 and 9
6.	Ms.Mridaksh	Contestant no.17	Contestant no.15
7.	Inter-Branch Video Competition	Mechanical Engg.	Information Technology
8.	Most Entertaining Performance	Skit by E&I Engg.	

Overall Winner : Information Technology

Overall Runner: Mechanical Engineering

I.E.T-DAVV also won the Inter-College dance Competition (NAACH-2013)

Other than these events the College Band "GOONJ" also gave a stupendous performance on 14 Feb 2013.

Letter of Appreciation were also distributed to Student Coordinator of Placement cell, AAKSHANK 2013 and for College Website development.

Trophies and Certificates were also distributed to students of different branches securing I, II and III position in different sports events by ISC