<p style="text-align:center; color:red;">Evaluative Report of the Department-
Institute of Engineering and Technology</p>

1. Name of the Department: Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore

Faculty of Engineering

2. Year of establishment   1996

3. Is the Department part of a School/Faculty of the university?   YES

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

Programmes	Number	Course/Subjects
UG	06	1. B.E. (Mechanical Engineering) 2. B.E. (Computer Science and Engineering) 3. B.E. (Electronics & Instrumentation Engineering) 4. B.E. (Information Technology Engg) 5. B.E. (Electronics & Telecommunication Engg.) 6. B.E. (Civil Engineering) B.E. Programs (Part-Time)
	02	1. B.E. (Mechanical Engineering) 2. B.E. (Electronics & Telecommunication Engg.)
PG	06	**M.E. Programs (Full-time)** IET is presently offering Full Time 2 Year ME Programmes in the following six branches & specialization as given below: 1. Computer Engineering with specialization in Software Engineering 2. Information Technology with specialization in Information Security 3. Electronics engineering with specialization in Digital Instrumentation 4. Electronics engineering with specialization in Digital Communication 5. Industrial Engineering & Management 6. Mechanical Engineering with specialization in Thermal & Design Engineering
	06	**M.E. Programs (Part-time)** 1. Computer Engineering with specialization in Software Engineering 2. Information Technology with specialization in Information Security 3. Electronics engineering with specialization in Digital Instrumentation 4. Electronics engineering with specialization in Digital Communication 5. Industrial Engineering & Management 6. Mechanical Engineering with specialization in Design & Thermal Engineering
	01	**M.Sc. Programme:Full Time 2 Year** Applied Mathematics with specialization in

Programmes	Number	Course/Subjects
		Computing & Informatics
Ph.D.	06	**Doctoral Program:** 1. Computer Engineering 2. Electronics & Telecommunication Engineering 3. Mechanical Engineering 4. Applied Mathematics 5. Applied Chemistry 6. Applied Physics
Total	27	

5. Interdisciplinary programmes and departments involved
   1. Master of Engineering in Industrial Engineering and Management
   2. Master of Engineering in Software Engineering

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

   NIL

7. Details of programmes discontinued, if any, with reasons   NA

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

   Institute follows Semester Examination System

9. Participation of the department in the courses offered by other departments

   Institute conducted PhD Course work for the School of Electronics

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Positions	Teaching faculty			Non-teaching staff	Technical staff
	Professor	Associate Professor	Assistant Professor		
Sanctioned by the UGC / University / State Government	11	21	64	-	-
Recruited	04	9+1*+1**	36		
Yet to recruit	07	12	27		
Number of persons working on Temporary full time (contract)	-	-	24	71	

*One Associated Professor on Deputation from other department
** One CAS

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	03	01	05	01	09	03	22
M.Phil.							

PG			02	03*	15	05	25
UG	-	-	-	-	01	03	04
*One Assot. Prof. on deputation from other Deptt.							
Temporary full time teachers							
Ph.D.	-	-	-	-	-	02	02
M.Phil.	-	-	-	-	-	01	01
PG	-	-	-	-	10	09	19
UG	-	-	-	-	02	-	02
Part-time teachers (Courses Visiting Faculty)							
Ph.D.	-	-	-	-	03	02	05
M.Phil.	-	-	-	-	-	-	
PG	-	-	-	-	17	14	31
UG	-	-	-	-	10	02	12
Teaching Asst.	-	-	-	-	72	55	127

Surname	Name	Qualification	Exact Designation	Areas of Specialization	Teaching Experience in Yr	No. of Doctorate Students Guided
TOKEKAR	SANJIV	ME, PhD	PROFESSOR	C. N./MICRO CONT./ MODEl	30	7
TOKEKAR	VRINDA	ME, PhD	PROFESSOR	COMP.NETWORK, INFO.SECUR	28	1
VERMA	AJAY	ME, PhD	PROFESSOR	INSTR. & CONTROL	20	
PRAKASH	SHASHI	MTech, PhD	PROFESSOR	OPTICAL COMMUN.	19	3
PRAJAPATI	GEND LAL	ME, PhD	READER	MACHINE LEARNING	13	
SHARMA	MEENA	MTech, PhD	READER	SOFTWARE ENGINEERING	15	
JAIN	ASHISH	ME	READER	NETWORK SECURITY	10	
MAKWANA	HEMANT	ME (Comp.)	READER	COMPUTER GRAPHICS	11	
BANSAL	PRATOSH	MTech, PhD	READER	KNOWLEDGE MANAGEMENT	11	
SINDAL	RAVI	MTech, PhD	READER	INSTRUMENTATION	11	
UPADHYAY	RAKSHA	MTech	READER	DIGITAL COMMINICATION	13	
TIWARI	ASHESH	ME, PhD	READER	TRIBOLOGY AND DESIGN	17	5
SOHANI	NAGENDRA	ME, PhD	READER	INDUSTRIAL ENGG. & MAGT	22	
BANDE	SHIVANGI	ME	READER	COMPUTER SCIENCE	13	
SHUKLA	PRAGYA	ME	READER on deputation	CSE	10	
SONI	JITENDRA	BE, ME	LECTURER	INFORMATION SECURITY	4	
AGRAWAL	ARPIT	ME	LECTURER	SOFTWARE ENGG	5	
DUTTA	MALA	ME	LECTURER	ELECTRICAL ENGINEERING	10	
KARANKAR	NILIMA	BE	LECTURER	IT	5	
MITTAL	AMIT	ME	LECTURER	COMPUTER ENGG.	9	
GEHLOD	LALIT	ME	LECTURER	OPERATING SYSTEM	10	
HAWELIYA	JYOTI	BE	LECTURER	COMPILER DESIGN	5	

NIGAM	BHAWNA	ME (Comp.)	LECTURER	DATABASE MGMT SYSTEM	6	
KARMA	PRAVIN	ME (Comp.)	LECTURER	COMPUTER NETWORKS	10	
PATIDAR	CHANDRA PRAKASH	ME	LECTURER	CSE	6	
RAIKWAL	JAGDISH	MTech	LECTURER	WEB MINING	4	
NEEMA	VAIBHAV	MTech, PhD	LECTURER	VLSI DESIGN	10	
BHATT	UMA	MTech	LECTURER	OPTICAL COMMUNICATION	10	
JANGALWA	MADHVI	ME	LECTURER	DIGITAL TECH. AND INSTRU.	11	
DAHAT	P ASHOK	ME	LECTURER	DIGITAL COMMUNICATION	10	
SINGH	PRAVEEN	ME	LECTURER	INDUSTRIAL ENG & MANG	4	
NITNAWARE	DHIRAJ	MTech, PhD	LECTURER	NETWORKING	9	
CHOUHAN	SEEMA	BE	LECTURER	ELECT. & TELECOM.	4	
MAHESHWARI	GOVIND	MTech, PhD	LECTURER	THERMAL ENGINEERING	13	
VERMA	DEVENDRA	ME, PhD	LECTURER	INDUSTRIAL ENGG. & MAGT	10	
KARMA	VIJAY	ME	LECTURER	COMP. INTEG. MANUFACTUR	10	
TORGAL	SUWARNA	ME, PhD	LECTURER	DESIGN	10	
CHAUDHARY	SHARAD	ME, PhD	LECTURER	THERMAL ENGINEERING	10	
GUPTA	AMIT	ME	LECTURER	COMP.INTEG. MANUFACTUR	5	
LODWAL	AKHILESH	ME	LECTURER	TRIBOLOGY AND MAINT.	5	
SHAH	IBRAHIM	MTech	LECTURER	I.C. ENGINE, AUTOM. ENGG.	16	
SINGH	PRATIBHA	ME	LECTURER	IMAGE PROCESSING	11	
KHILJI	SHAHID	BE	LECTURER	ELECT. AND INSTR.	18	
MANDLOI	DHEERAJ	MSc, PhD	LECTURER	CHEMISTRY	12	
KAPOOR	VIVEK	MTech, PhD	LECTURER	CSE	10	
AZIZ	SUFIA	MSc, PhD	LECTURER	PURE MATHEMATICS	9	
PATHAK	ROHIT	MSc, PhD	LECTURER	PURE MATHEMATICS	9	
CHOUCHAN	CHANDRA SHEKHAR	MSc	LECTURER	PURE MATHEMATICS	3	
JESWANI	MAMTA	MSc	LECTURER	APPLIED MATHS.	4	
JAIN	VAIBHAV	MTech	LECTURER	CSE	9	
SETH	ANITA	ME, PhD	LECTURER	ELECTRONICS	7	
KHINCHI	S. S.	MSc, PhD	LECTURER	APPLIED PHYSICS	10	
BERGALEY	AJEET	ME	LECTURER on Contract	COMP.INTEG. MANUFACTUR	9	
JHA	AMIT	BTech	LECTURER on Contract	E&I	3	
DISAWAL	REENA	ME	LECTURER on Contract	DATABASE MGMT SYSTEM	7	

SHAH	Ambika Prasad	BE	LECTURER on Contract	ELECT. & TELECOM.	3	
GUPTA	RACHANA	MSc, PhD	LECTURER on Contract	NANO SCALED THIN FILMS AND MUL	4	
JAIN	HARSH	MBA (MS)	LECTURER on Contract	FINANCE	2	
SINGH	RUCHI	MSC PhD	LECTURER on Contract	COMMUNICATION SKILL	12	
SINGH	JITENDRA	MSc	LECTURER on Contract	ORGANIC CHEMISTRY	8	
KANSAL	SANTOSH	BE, ME	LECTURER on Contract	THERMODYNAMICS	2	
SHARAN	AARTI	MA, M.PHIL.	LECTURER on Contract	COMMUNICATION SKILL	3	
NARANG	RAVINDRA	ME	LECTURER on Contract	CSE		
BHAGORIA	SWATI	ME	LECTURER on Contract	CSE		
PATHAK	SHAILENDRA	ME	LECTURER on Contract	CSE		
UIKEY	REJESHWARI	ME	LECTURER on Contract	IT		
BATAHM	DEEPAK	ME	LECTURER on Contract	E & I		
MOGHE	SNEHA	ME	LECTURER on Contract	E &Tc		
RAIKWAR	PUSHPA	ME	LECTURER on Contract	E &TC		
KARMA	SACHIN	ME	LECTURER on Contract	CSE		
DAULTABAD	SHRINIWAS	ME	LECTURER on Contract	E &TC		
VYAS	UPAMA	ME	LECTURER on Contract	CSE		
PAWAIYA	MANOJ	ME	LECTURER on Contract	IT		
SONI	JYOTI	ME	LECTURER on Contract	MECHANICAL	12	
SONDHIYA	OM PRAKASH	ME	LECTURER on Contract	MECHANICAL		

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors
    Prof. Tapan Mukharji
    Dr. R. C. Dube (Retired Scientist from CEERI Pilani)

13. Percentage of classes taken by temporary faculty – programme-wise information

31%

14. Programme-wise Student Teacher Ratio

19:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

NIL (All 71 administrative staff & lab staff are working on full time temporary contract basis).

No posts are available

16. Research thrust areas as recognized by major funding agencies
    - Photonics
    - Design & Modelling through Collab-CAD
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

NIL

18. Inter-institutional collaborative projects and associated grants received

   a) National collaboration   b) International collaboration
    - Collab CAD Laboratory developed in collaboration with National Informatics Centre , New Delhi
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
    - Grant of Rs.10,54,860:00 for research project "Non destructive testing using phase shifted digital Stereography" for funding University Grants Commission (year: 2008-11)
    - Grant of Rs. 14,91,600.00 for research project " Grating shearing interferometry for investigation in experimental mechanics using phase shifting techniques" for funding from Defense Research Development Organization, New Delhi, India (2007-09)
    - Sponsorship of Rs 50,000:00 from M/S Eicher Motors Ltd for the BAHA Project.
20. Research facility / centre with
    - State recognition
    - National recognition
    - International recognition

	Software	Amount in Rs.
1	Qualnet (Computer Network Simulation	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.
- Technology has been developed in-house for direct phase measurement using phase shifting technique and Fourier Transform Method. These techniques have been used for automated measurement of temperature, displacement, slope, focal length etc. Several techniques for testing degree of collimation of laser beam have been developed.

Research Papers	2012-13	2011-12	2010-11	2009-10	2008-09
Journal	48	53	39	23	19
International Conference	21	31	40	38	22
National Conference	05	21	16	09	06
National Seminar	--	04	--		--
Total	74	109	95	70	47

B. Strategies have been evolved to meet the needs of researchers in emerging disciplines

- Budgetary allocation has been provided for promoting research. Faculty members are encouraged to participate in conferences at national and international level. Eminent speakers are invited for lecturers in emerging areas. To motivate faculty to undertake research in recent field. Faculty have been reimbursed some part of membership fees of International society. Ph.D. Supervisors are provided reimbursement of broadband facilities.

21.   Special research laboratories sponsored by / created by industry or corporate bodies

NIL

22.   Publications:

   ∗ Number of papers published in peer reviewed journals (national / international)

   * Books with ISBN with details of publishers
   1. Ms Anita Seth Co-authored book titled, "Computer Fundamentals and C Programming", Cengage Publishing, 2011.; ISBN 978-81-315-1615-7

2. A Thermodynamic Approach to Refrigeration and Air-Conditioning Authors: A.I. Khandwawala, G. Maheshwari, S. Chaudhary   Year of publication: 2011Edition: 1st Publisher: Jain Brothers (New Delhi

3. Dr Manohar Chandwani (November 2009) along with Dr Abhay Jain and Dr N S Chaudhari authored the third edition of the book Computing & Informatics published by M/s Jain Brothers, NewDelhi

23. Details of patents and income generated

NIL

24. Areas of consultancy and income generated

- An amount of Rs. 2.56 lacs was generated from the training consultancy services provided to M/S EICHER Motors Ltd in the form of Manufacturing Excellence Programme of 3 months in the year 2008-09.

- An indigenous software COLLAB-CAD worth Rs. 6.0 lacs was free of cost provided by the National Informatics Centre , New Delhi to IET for the faculty and student s training in the area of CAD-CAM in year 2008-09. An MOU has been signed with NIC, MHRD to establish COLLAB-CAD centre at Mechanical Engineering of IET.

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad

- Dr. Shashi Prakash   invited to undertake advanced research at Niigata University, Japan on topic entitled "Measurement of inner surface profile of a metal cylinder by laser interferometry" for the period from April 2009 to March 2010. He visited Niigata University during the period from 28th June 2009 to 28th March 2010

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

NIL

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

	Refresher	Orientation	Workshop
2009-10	-	03	29
2010-11	-	02	15
2011-12	02	10	38
2012-13	04	08	41

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: 97%
- percentage of students doing projects in collaboration with other universities
- industry / institute: 03%

29. Awards / recognitions received at the national and international level by

- Faculty
  - Dr Manohar Chandwani (08 October 2009) has been honoured with CSI Fellowship Award 2009 conferred to him during CSI Annual Convention at Pune
- Faculty members invited as resource person/ keynote speaker
  - Dr. Sanjiv Tokekar
  - Dr. Mrs Vrinda Tokekar
  - Late Dr. Manohar Chandvani
  - Dr. Nagendra Sohani
  - Dr. Ashesh Tiwari
  - Dr. Gendlal Prajapati
  - Dr. Vaibhav Nema

- Doctoral / post doctoral fellows: NIL
- Students: NIL

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

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	23rd - 24th Feb. 2013, 2nd -3rd March 2013
2	"Research Methodology in Education Technology": An online workshop through virtual classroom conducted by IIT Bombay for faculty	IIT BOMBAY	2nd Feb. and 9th 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	1. Prof. Shreepad Karmalkar IIT Madras 2. Prof. Uday Gaitonde IIT Bombay 3. Prof. Sahana Murthy IIT Bombay 4. Prof Santosh Noronha IIT Bombay	25th June - 04th 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	6th October 2012
9	National Workshop on Next Generation Networks No of participants : 45	Prof. Aditya Trivedi, ABVIIITM, Gwalior, Dr. Anjali Sardana, IIT, Roorkee Prof. Anjan Ghosh, DAIICT, Gandhi Nagar Prof. K. Giridhar, IIT, Madras Dr. Karm V. Arya, ABVIIITM, 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 Information 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	1. Prof. S. Sudarshan IIT, Bombay	21/05/2013 & 31/05/2013(Two weeks)
13	Two Week ISTE Workshop on Analogue 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	• 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	8th 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 , 150th Birth Anniversary	•	17thSept. 12

31. Code of ethics for research followed by the departments
    1. IEEE code of ethics for Students and faculties.
    2. Code of ethics for corporate members of the Institute of Engineers India
    3. Code of conduct followed by members of Computer Society of India.

Besides these following is the ethical principles to be followed:

Honesty
Strive for honesty in all scientific communications. Honestly report data, results, methods and procedures, and publication status. Do not fabricate, falsify, or misrepresent data. Do not deceive colleagues, granting agencies, or the public.

Objectivity
Strive to avoid bias in experimental design, data analysis, data interpretation, peer review, personnel decisions, grant writing, expert testimony, and other aspects of research where objectivity is expected or required. Avoid or minimize bias or self-deception. Disclose personal or financial interests that may affect research.

Integrity
Keep your promises and agreements; act with sincerity; strive for consistency of thought and action.

Carefulness
Avoid careless errors and negligence; carefully and critically examine your own work and the work of your peers. Keep good records of research activities, such as data collection, research design, and correspondence with agencies or journals.

Openness
Share data, results, ideas, tools, resources. Be open to criticism and new ideas.

Respect for Intellectual Property
Honor patents, copyrights, and other forms of intellectual property. Do not use unpublished data, methods, or results without permission. Give credit where credit is due. Give proper acknowledgement or credit for all contributions to research. Never plagiarize.

Confidentiality
Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or military secrets, and patient records.

Responsible Publication
Publish in order to advance research and scholarship, not to advance just your own career. Avoid wasteful and duplicative publication.

Responsible Mentoring
Help to educate, mentor, and advise students. Promote their welfare and allow them to make their own decisions.

Respect for colleagues
Respect your colleagues and treat them fairly.

Social Responsibility
Strive to promote social good and prevent or mitigate social harms through research, public education, and advocacy.

Non-Discrimination
Avoid discrimination against colleagues or students on the basis of sex, race, ethnicity, or other factors that are not related to their scientific competence and integrity.

Competence
Maintain and improve your own professional competence and expertise through lifelong education and learning; take steps to promote competence in science as a whole.

Legality
Know and obey relevant laws and institutional and governmental policies.

Animal Care
Show proper respect and care for animals when using them in research. Do not conduct unnecessary or poorly designed animal experiments.

Human Subjects Protection
When conducting research on human subjects, minimize harms and risks and maximize benefits; respect human dignity, privacy, and autonomy; take special precautions with vulnerable populations; and strive to distribute the benefits and burdens of research fairly.

32. Student profile programme-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected Male Female	Pass percentage Male Female
BE (Based on MPPET)	Student appeared approx 1.2 lacs	360 180 Closing MPPET rank 2000.	NA
ME (Based on GATE)	1042	117 41	NA
Ph.D.	326	26M - 12F	61.96%

13 Diversity of students

Name of the Course	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BE	NA			
ME	7.55%	82.39%	10.06%	Nil
Ph.D.	34%	63%	3%	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Student performance

	2012-13	2011-12	2010-11	2009-10	2008-09
GATE	269	59	74	39	30
CAT	164	09	05	28	30
GRE	21	05	06	09	10

Service Selection Board: 22

- GATE ranks of IET students in 2011-12
  - Surbhi Punjabi (AIR rank 4)
  - Anup Kumar Sah (AIR rank 9)
  - Diksha Makhija (AIR rank 13)

- GATE rank of IET students in 2012-13
  - Surbhi Akotia (All India Rank 16th Position

- Placement Record

Year	2012-13	2011-12	2010-11	2009-10	2008-09	2007-08
Companies visited	23	29	25	22	17	11
No. recruitment	437	441	324	264	269	264
No. of students	327	295	275	230	256	246
Average annual package in year 2011-12 has been 4.0 lac per anum						
Highest package in 2011-12 has been 9.15 lac per anum						

35. Student progression

Student progression							
UG to PG Nos.	2008	2009	2010	2011	2012	2013	
	17	25	35	36	25	38	
PG to M.Phil.	-						
PG to Ph.D.	8						
Ph.D. to Post-Doctoral	-						
Employed • Campus selection • Other than campus recruitment	70% 25%						
Entrepreneurs	0.5%						

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	36.36
from other universities within the State	39.40
from universities from other States	24.24
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

         15 faculties have been awarded PhD

38. Present details of departmental infrastructural facilities with regard to

    a) Library
    b) Internet facilities for staff and students
    c) Total number of class rooms

	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 seated fully air conditioned auditorium developed
- Girls Common Room in each block

a) Library:
    Library Area (Carpet Area):   387.22 sq Mtrs

b) Internet facilities for staff and students
- The infrastructure with advanced technology is being developed (625 Computers)
- Selected Class rooms and laboratories facilitated with 22 multimedia projectors
- Internet connectivity in each block including boy's hostel of 1 Gbps Internet access through DAVV Campus network on 24 X 7 basis provided by National Knowledge Network (NKN)
- IET DAVV has also taken 2 Mbps broadband connection from BSNL. Two Boys hostels are having internal Wi-Fi connectivity.
- All faculty rooms are facilitated with Internet connectivity
- One Number Virtual class room
- All sections of Administrative Office are using computers and printers
- Using Customized developed software for Admissions, Accounts, exam and result processing since year 2000

c) Total number of class rooms: 34 Nos and 80 sqm each approx
d) Class rooms with ICT facility: 22 Nos
e) Students' laboratories

DEPARTMENT	NAME OF THE LABORATORY	LAB / MAJOR EQUIPMENTS
COMPUTER ENGINEERING	I ST YEAR PROGRAMMING LAB, BUSINESS DATA PROCESSING (M213)	DESKTOP COMP., SOFTWARES, SWITCH, PROJECTORS, PRINTERS, UPS
	OPERATING SYSTEM, DESIGN PATTERN, COMPUTER. WORKSHOP, COMPUTER NETWORK (B-103)	DESKTOP COMP., SOFTWARES, SWITCH, PROJECTORS, PRINTERS , UPS, PHOTOCOPY MACHINE
	ORACLE DBMS, ARTIFICIAL INTELLIGENCE, SOFTWARE ENGINEERING (B-104)	DESKTOP COMP., SOFTWARES, PROJECTORS, PRINTERS, UPS
	PROGRAMMING, WIRELESS PROTOCOL & MOBILE COMPUTING SECURE WIRELESS NETWORK (B-106)	DESKTOP COMP., SOFTWARES, SWITCH, PROJECTORS, PRINTERS UPS
ELECTRONICS AND INSTRUMENTATION ENGINEERING	PHOTONICS INSTRUMENTATION	HE-NE LASERS, DPSS, PRECISION PIEZO STAGES, VIBRATION ISOLATION TALBE TOP, COLLIMATORS, BEAM SPLIT
	BASIC ELECTRICAL ENGINEERING	DC SHUNT GENERATOR, VARIOUS TRANSFORMER, DC SHUNT MOTOR , WATTMETER
	BASIC ELECTRONICS	POWER PROJECT BOARD, IC TESTER(DIGITAL), IC TESTER(ANOLOG), MULTIMETER, OSCILLOSCOPE, L.C.R Q METER,
	BIOMEDICAL	BIOMEDICAL LAB TRAINING KIT (PACE MAKER, RESPIRATION, DEFIBRILLATOR DEMO, ECG/EEG/EMG SIMULATOR)
	CONTROL SYSTEM	CONTROL ENGG. TRAINER PART ONE AND TWO, FEED FORWARD CONTROL SYSTAM
	ELECTRONIC WORKSHOP	SPECTRUM ANALYSER, CRO, SOLDERING/DESOLDERING STATION, FUNCTION GENERATOR
	EMAMI	BRIDGES, THEOREM'S VERIFICATION BOARDS
	MICRORELCTRONICS	MICROWIND SOFTWARE, MULTISIM V9
	P.C.B. LABORATORY	PCB DEVELOPING INSTRUMENTS INCLUDING DEVELOPERS , CUTTER AND TINNING MACHINE
	POWER ELECTRONICS	SCR CONVERTER, SCR REGULATED DC POWER SUPPLY, AC PHASE SHIFT CONTROL, SCR CHOPPER
	PROCESS INSTRUMENTATION	LEVEL CONTROL TRAINNER, PROGRAM LOGIC CONTROLLER, COMPUTERISED CLOSED LOOP PRESSURE/RATIO CONTROL SY
	SAMPLE DATA & NON LINEAR	MATLAB, SIMULINK, TOOLBOX
	SENSOR & TRANSDUCER	THERMAL TYPE TRANSDUCER, OPTICAL TRANSDUCER, LOAD CELL (CANTILEVER TYPE), LOAD CELL (STAINGAUGE TYPE
	VLSI/VHDL	FPGA, CPLD, XILINX SOFTWARE

ELECTRONICS AND TELECOMMU NICATIONS ENGINEERING	DIGITAL COMMUNICATION	FUN. GENERATOR, COMM. TRAINERS
	DIGITAL EX.	DIGITAL BREADBOARD, MULTIMETER
	MICROCONTROLLER	MICROCONTROLLER KIT , SOFTWARE KEIL C51 VERSION 8.0 5 USER , MULTIFUNCTION MODULE PC INTERFACE
	MICROPROCESSOR	MICROPROCESSOR KITS &PERIPHERALS
	MICROWAVE	MICROWAVE TEST BENCH
	OPTICAL COMMUNICATION LAB	5 PERSONAL COMPUTERS
	PRINTER COLOR LASER JET	COMPUTERS
	PROJECT(UG & PG)	QUALNET
	TV & RADAR	TV TRAINER
INFORMATION TECHNOLOGY	COMPUTER GRAPHICS, MULTIMEDIA COMPUTING, NETWORK SECURITY (B204)	DESKTOP COMP., SOFTWARES, SWITCH, PROJECTORS, PRINTERS
	ME PROJECTS, ADVANCE COMPUTER NETWORK (B-206)	DESKTOP COMP., SOFTWARES, SWITCH, PROJECTORS, PRINTERS
	SERVER LAB, B.E. PROJECTS LAB	SERVERS-SUN , IBM , HP ,COMPAQ. UPS, PRINTERS
	SOFTWARE WORKSHOP,SERVER SIDE PROGRAMMING, MATLAB,OOAD, COMPONENT TECHNOLOGY (B-203)	DESKTOP COMP., SOFTWARES, SWITCH, PROJECTORS, PRINTERS
MECHANICAL ENGINEERING	COMPUTER AIDED DESIGN(CAD) LAB	1.I-DEAS SOFTWARE 2.AUTO DESK MECHANICAL EDUCATION SOLUTION 3. SOFTWARES PRO/E
	FLUID MECHANICS	HYDRAULIC BENCH TRAINER
	FLUID MECHANICS(1)	KAPLAN TURBINE TEST RIG
	FLUID MECHANICS(2)	PELTON TURBINE TEST RIG
	HYDRAULIC MACHINE LAB	1.PELTON TURBINE TEST 2.RIGKAPLAN TURBINE 3.WIND TUNNEL
	INTERNAL COMBUSTION ENGINE LAB	1.DIESEL ENGINE TEST RIG 2. PETROL ENGINE
	MATERIA SCIENCE LAB	ULTRASONIC CRACK DETECTOR MACHINE
	REFRIGERATION AND AIR CONDITIONING LAB	1.DIESEL ENGINE TEST RIG 2. PETROL ENGINE
	STRENGTH OF MATERIALS LAB	1.COMPUTERIZED UNIVERSAL TESTING MACHINE 2. FATIGUE TESTING MACHINE
	WORKSHOP/PRODUCTION ENGINEERING LAB	"1. CNC LATHE MACHINE TRAINER 2. UNIVERSAL MILLING MACHINE 3. ELECTRIC DISCHARGE MACHINE

	Software	Amount Invested in Rs
1	Qualnet (Computer Network Simulation Software)	582400/
2	MATLAB	249523/
3	ProE (pro engineer)	780000/
4	Inventor	23860/
5	CollabCad (machine design)	
6	MATHCAD	78000/

- 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.
- Technology has been developed in-house for direct phase measurement using phase shifting technique and Fourier Transform Method. These techniques have been used for automated measurement of temperature, displacement, slope, focal length etc. Several techniques for testing degree of collimation of laser beam have been developed.

39. List of doctoral, post-doctoral students and Research Associates

    a) from the host institution/university

    b) from other institutions/universities

Name of the Course	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BE	NA			
ME	7.55%	82.39%	10.06%	Nil
Ph.D.	34%	63%	3%	Nil

40. Number of post graduate students getting financial assistance from the AICTE.

Year	No of Students
2008-09	15
2009-10	14
2010-11	21
2011-12	54
2012-13	62

- Financial assistance provided to SC, ST, OBC, PH

	SC		ST		OBC	
	No. of Students	Amount	No. of Students	Amount	No. of Students	Amount
2008-09	169	62,90,716	125	41,14,203	85	40,69,725
2009-10	203	24,13,467	201	23,11,822	125	59,12,760
2010-11	133	8,92,070	128	93,57,55	144	41,95,945
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 Sch4. Gaon Ki Beti Sch.5.Single Daughter Sch.

•	• No. of Students	• Amount
• 2009-10	• 534	• 2.12 Crores
• 2010-11	• 561	• 1.40 Crores
• 2011-12	• 511	• 1.76 Crores

- Provision of Fee waver scheme for economically weaker - Meritorious students
- Other scholarships from Govt. departments like Minority scholarship Railway, BSNL, Banks etc

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

> Suggestions of experts are assessed by Departmental Committee with consideration of viability of the programme in the absence of any Government grant.

42. Does the department obtain feedback from
   a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

   > Feed back from the faculty/ experts/ Industrialists/ scientiest have been taken to undate curriculam as per the current requirements of Industries and Research fields and subsequently updated.

   b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

   > The feedback is measure source of evaluation and intro-inspection Department obtain regularly feedback from the stake holders. The committee of the Institute analyzes the feedback form statistically giving due weight to each quality related parameter. Scores obtained by each teacher for each course that he/she taught is conveyed in confidentiality to him/her.. The faculty have been asked for the improvement in weak areas.

   c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

   > Feed back from the / Industrialists/ scientist have been taken to update curriculum as per the current requirements of Industries and Research fields and subsequently updated. Feedbacks taken by e-mail or during their visit to the campus and the Curriculum committee of the department examines

43. List the distinguished alumni of the department (maximum 10)

S.No.	Name	Name of Company	Designation	Year of Passing
1	Krati Dhoot	TITAN	Manager Commercials	2006
2	Anirud Yadav	Inductis -	EXL Decision Analytics Manager	2005
3	Husain Tankiwala	3M	Product Manager	2005
4	Saurabh Sahni	Yahoo	Sr. Product Manager	2005
5	Anirvaan Dutta Gupta	Procter & Gamble	Associate Manager	2007
6	Mahip Vyas	Mig 33	Country Manager & Director	2006
7	Abhishek Sogani	FREECULTR	Director - Technology	2006
8	Rohitashva Singh Tomar	Yebhi.com	Deputy General Manager	2008

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

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	23rd - 24th Feb. 2013, 2nd -3rd March 2013
2	Training on network simulation software "Qualnet" for PG students and faculty	Ankur Tyagi	4th Feb.2013, 22nd March'2013
3	"Me and My Project": A workshop for giving guidance to PG students undergoing projectwork.	Prof. Santosh Kumar Vishvakarma (IIT_I) Dr. Prakash D Vyavahare (SGSITS)	15th Sept.2012
4	Software Training for SAE BAJA Mechanical Engineering Dept. 114 participants (27 Colleges from all over India)	Mr. Atil Vidharti, Dassaut Systems, Banglore Mr Rajiv Aramdaka, assaut Systems, Banglore Mr. Shir Prakash, PTC, Banglore Mr. Pradeepak, CSM,Banglore	8 July 2011- 10 July 2011
5	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	6th October 2012
6	National Workshop on Next Generation Networks No of participants : 45	Prof. Aditya Trivedi, ABVIIITM, Gwalior, Dr. Anjali Sardana, IIT, Roorkee Prof. Anjan Ghosh, DAIICT, Gandhi Nagar Prof. K. Giridhar, IIT, Madras Dr. Karm V. Arya, ABVIIITM, Gwalior, Prof. S C Sahastradudhhe, DAIICT, Gandhi Nagar	27th – 28th January,2012
7	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)
8	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)

9	One day expert talk on Software Requirement Engineering organised by CSI Indore chapter	• Prof. Gopalsamy Ramesh • Prof. T.V. Gopal • Dr. Anil Rawat	27 June 2011
10	Expert lecture On "Symbolic Data Object"	• Dr. P. Nagabhushan , Professor from University of Mysore	• 11th Nov.2011
11	Expert lecture On Empowerment of women through ICT	• Prof. A.K. Nayak	• 8th Dec.2011.
12	Expert lecture On topic "Parallelization & Vectorisation of Programmes	• Dr. Supratim Biswas , Professor Deptt. of Computer Engg. IIT Bombay	• 14 July 2011 •
13	Vision of Mahamana Pt. Madan Mohan Malviyaaji for Engineering Education in India	• . Devendra Pratap Singh of Banaras Hindu Vishwavidyalaya.	• 04/01/2013
14	Poster exhibition on the life and works of swami Vivekananda , 150th Birth Anniversary		• 17[th]Sept.2012

45. List the teaching methods adopted by the faculty for different programmes.
   a) Black board teaching : Each class room equipped with black board and white board
   b) LCD Projector : 22 class rooms are equipped with LCD projectors
   c) Seminars : Seminars have been organised as listed above
   d) Workshops : Workshops have been organised as listed above
   e) Tutorials : Tutorials are part of class time table in few programes
   f) Practical Laboratories : well equipped laboratories in the respective departments
   g) Industrial Visits: Every year Industrial visits have been organised for the students. Eicher Motors, Mahindra & Mahindra, Gajara Gears, CAT, Omkareshwar Hydal Power Plant etc are beenig visited
   h) Expert Lectures by eminent faculties

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
   Departmental meetings for reviewing progress
   Student feedback analysis
   Semester Results and placement each year are monitored . The leaving outcome and evaluates whether programme objectives are met.

47. 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 5thJune 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 22ndAugust 2013.Approximately 413 students took the pledge to foster communal harmony.
- Nutritional Week activities (from 1st-7thSeptember 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 Documentory 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-21[th]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.

48. Give details of "beyond syllabus scholarly activities" of the department.
   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'.
o Mr. Deepak Arzare, Scientific Officer, Raja Ramanna Centre for Advanced Research (RRCAT), Indore was the Chief Guest.
o Mr Arzare president of ISHRAE Indore chapter.
o 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."
- 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.

- Quiztrix 2.0
- 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
- The Tic-Tac-Toe game played with the audience made the quiz more enthusiastic and interactive.
- 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 20I12. 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 by1000 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

49.   State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

NO

50.   Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Since establishment in 1996, Institute produce hundreds of engineers , PG engineers and Doctoral Engineers in highly academic environment and they are serving the Nation. This has been achieved despine no Government support. The research areas are following in which number of publications are done in last for years

- Mechanical Engineering:

  Lean Manufacturing, Condition Monitoring and Fault Analysis, Supply Chain Management, Vibration & Noise Control, Fracture Mechanics, Knowledge Management, Finite Time Thermodynamics, Exergy Analysis, Vapor Absorption Analysis, Logistic Models, Machine Design, QFD, Service quality

- Electronics Engineering:

  Mobile Communication, VLSI, Soft Computing Techniques, Digital Signal Processing, Wireless Sensor Network, Photonics Communication and Instrumentation

- Computer Engineering:

  Computer Communications and Networks, QoS, Wireless and Mobile Computing, Network Security, Network Performance Evaluation, Artificial Intelligence, Machine Learning, Formal Language Learning, Automata Theory, Soft Computing and NLP, Distributed Computing, Software Computing, Software Quality Optimisation, Fuzzy Systems, Parallel Computing; Aspect-Oriented Programming. Automatic and Social Computing, Multimedia and Visual Software Engineering.

Department emphasize on the overall development of the students. This is achieved through the generating new/applied knowledge by encouraging students for the Idea generation and realization through organizing deferent events/ technical festivals and to understand real life problems industrial visits and expert lectures from industries and practitioners have been organized. They have been motivated to undertake research projects/ live projects.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Status of being a University Teaching Department adhere to regulations and ordinances and full Academic Autonomy. The Institute has flexibility to change curricula as per on- going Industry trends.

2. The Institute has dedicated Faculties and staff and follows strict time schedule and academic calendar.

3. Being a University Teaching Departments the Institute enjoy support from others Teaching Departments in terms of faculties, facilities and others resources required.

4. The Institute is connected to IT Center through campus wide networking and accessing 1 Gbps leased line for Internet. Institute has 2 MBPS Broadband Connection also. Internet facility is available round the clock. Virtual class room created in June 2012

5. Every teacher is given opportunity for pursuing higher degree (ME / Ph.D.) and Faculty development programmes, Quality Improvement Programs and allow to pursue PhD From Institute of Repute (IIT)

Weakness:

1. Dependence on fee collection through students.

2. Shortage of faculties at the Institute.

3. Procedural dependency/ difficulty in following the on Government norms for Faculty, Administrative\ Non Teaching Staff position despite self-financed.

4. Presently no permanent post for Administrative/ Non Teaching Staff. (till date all Administrative/ Non Teaching Staff is on contract/ Daily wages basis).

5. Procedural delays in process of recruitment and procurement.

52. Future plans of the department.
Future Infrastructure development Plan

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

1. New Library Building

2. Extension of Mechanical Workshop

3. Digital Library with latest Journals

4. Industrial Consultancy

5. High Tech classrooms

6. Modern Laboratories

7. Curriculum update with modern syllabus content

8. Long term academic projects at UG level

9. Research projects at Master's level

10. E-Learning Technology Adoption

Write up of efforts for Quality Sustenance and Assurance in the department- B

Quality first and delight stakeholders though offering best academic environment is Institute Moto. This enables us to establish as the one of the best Engineering Institute in the central India within a period of 4-5 years after establishment. We are sustaining our reputation and position through our continuous efforts through quality education. This efforts reflects through placements achievements and quality of research produced from our Institute. This is possible only through providing motivated environment to faculty members and giving opportunity for higher learning and research

Declaration by the Head of the Department- C

I Certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

S.V. Tokekar
29-08-13

Signature of the
Head of the institution with seal:

Place:
Date: