UTD Information

Name: Institute of Engineering and Technology  
Short Name: I.E.T  
Year of Establishment: 1996

Vision Statement: IET – DAVV, remaining at Forefront of Engineering Education..., strives ceaselessly to shape the young enthusiasts into technical professionals and professional communicators through rigorous process of knowledge and technology acquisitions to skills to wise applications leading to expertise, and offers human resources in technology within the national focus.

Name of Head/ Director: Dr. Sanjiv Tokekar  
Website link http://www.iet.dauniv.ac.in/  

Courses/ Programmes Offered (UG/PG/Doctoral/ PostDoc):

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name</th>
<th>Name of the Course</th>
<th>Approved Intake 10-11</th>
<th>Course Duration (CD)</th>
<th>Year Started</th>
<th>Admission process</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CIVIL ENGINEERING</td>
<td>60</td>
<td>4 YEARS</td>
<td>2009</td>
<td>MP-PEPT</td>
<td></td>
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<tr>
<td>2</td>
<td>MECHANICAL ENGINEERING</td>
<td>60</td>
<td>4 YEARS</td>
<td>1996</td>
<td>MP-PEPT</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>COMPUTER SCIENCE AND ENGINEERING</td>
<td>120</td>
<td>4 YEARS</td>
<td>1996</td>
<td>MP-PEPT</td>
<td></td>
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<tr>
<td>4</td>
<td>ELECTRONICS AND INSTRUMENTATION ENGINEERING</td>
<td>60</td>
<td>4 YEARS</td>
<td>1996</td>
<td>MP-PEPT</td>
<td></td>
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<tr>
<td>5</td>
<td>ELECTRONICS &amp; TELECOMMUNICATION ENGINEERING</td>
<td>120</td>
<td>4 YEARS</td>
<td>2000</td>
<td>MP-PEPT</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>INFORMATION TECHNOLOGY</td>
<td>120</td>
<td>4 YEARS</td>
<td>2000</td>
<td>MP-PEPT</td>
<td></td>
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<tr>
<td>7</td>
<td>B.E INDUSTRIAL ENGINEERING AND MANAGEMENT</td>
<td>18</td>
<td>2 YEARS</td>
<td>2002</td>
<td>GATE / % of BE /Counselling</td>
<td></td>
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<tr>
<td>8</td>
<td>M.E DESIGN AND THERMAL ENGINEERING</td>
<td>18</td>
<td>2 YEARS</td>
<td>2008</td>
<td>GATE / % of BE /Counselling</td>
<td></td>
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<tr>
<td>9</td>
<td>SOFTWARE ENGINEERING</td>
<td>18</td>
<td>2 YEARS</td>
<td>2002</td>
<td>GATE / % of BE /Counselling</td>
<td></td>
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<tr>
<td>10</td>
<td>INFORMATION SECURITY</td>
<td>18</td>
<td>2 YEARS</td>
<td>2008</td>
<td>GATE / % of BE /Counselling</td>
<td></td>
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<tr>
<td>11</td>
<td>DIGITAL INSTRUMENTATION</td>
<td>18</td>
<td>2 YEARS</td>
<td>2003</td>
<td>GATE / % of BE /Counselling</td>
<td></td>
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<tr>
<td>12</td>
<td>DIGITAL COMMUNICATIONS</td>
<td>18</td>
<td>2 YEARS</td>
<td>2003</td>
<td>GATE / % of BE /Counselling</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>MSc APPLIED MATHEMATICS</td>
<td>18</td>
<td>2 YEARS</td>
<td>2008</td>
<td>GATE / % of BE /Counselling</td>
<td></td>
</tr>
</tbody>
</table>
Statistics of Total Enrolled Students (Gen, SC, ST, OBC, Male/Female)

<table>
<thead>
<tr>
<th></th>
<th>General</th>
<th>SC</th>
<th>ST</th>
<th>NRI</th>
<th>OBC</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>757</td>
<td>187</td>
<td>224</td>
<td>25</td>
<td>201</td>
<td>1394</td>
</tr>
<tr>
<td>Female</td>
<td>322</td>
<td>77</td>
<td>85</td>
<td>3</td>
<td>77</td>
<td>564</td>
</tr>
<tr>
<td>Total</td>
<td>1079</td>
<td>264</td>
<td>309</td>
<td>28</td>
<td>278</td>
<td>1958</td>
</tr>
</tbody>
</table>

Faculty Statistics (Professors, Associate Professors, Asst Professors)
- Teacher student ratio 1:16.7 (for 2166 students with 129 teachers)
- Team of qualified faculties (04 professors, 11 associated professors and 47 assistant professors and 71 experts as visiting faculties)
- Teachers are motivated for attending short term courses, refessor courses
- 13 regular faculties with PhD and 39 with postgraduate qualification.
- 8 faculties with more than 10 yrs of experience and 41 faculties with 5-10 yrs of experience.

Electronics Engg: Protocol Engineering; Simulation and Modeling; Smart systems.

Faculty Publications (July 2010- June 2011)

Department of Information Technology
International Journal Papers Published
4. Mr. V. Kapoor along with Dr. S.Dey and Dr. A.P. Khurana published a paper entitled, “Imperical Analysis and Random Respectful Recombination of crossover and mutation in Genetic Algorithms”, in Proceedings of International Journal of
Computer Applications (IJCA) special issue on “Evolutionary Computation for Optimization Technique” ECOT 2010, pp. 25-30, DOI:10.5120/1530-133.

**International Conference Papers Published**


5. Mr Hemant Makwana, along with Mr. Praveen Karma and Dr. Suresh Jain published paper entitled "Radial Axes- Based Visualization using HexaGlyph" in 2nd IEEE International Conference on Intelligent Human Computer Interaction (IHCI 2010) held at IIIT Allahabad in December 2010.


Department of Mechanical Engineering

Dr. Ashesh Tiwari,


2. “Computational Fluid Dynamics of Wind Turbine Blade at Various Angle of Attack and Low Reynolds Number” Jhala H., Torgal S., Tiwari A.


Dr. Nagendra Sohani


**Sharad Choudhry**


2. Published Book, A. I Khandwawala, G Maheshwari and S Chaudhary, "A thermodynamics approach to refrigeration and Air-conditioning" Jain Publication New Delhi, 2010

**Dr. Suwarna Torgal**

1. Presented and published a paper in “National Conference on Recent Advances in Mechanical Engineering (RAME-2011)” conducted at Noorul Islam Mechanical Engineering Society publications (NIMES) from 1-2 April 2011, titled “Fatigue Analysis of Wind Turbine Structural Component”.

2. Research paper titled "Enumeration and Identification of Kinematic Chains (6 and 7 links) by Maxcode Method” was published in “National Journal of Technology, Vol6, No.4, December 2010 of ISSN – 0973-1334

**Ibrahim Hussain Shah,**

1. Research paper presented on Performance analysis of 7.5 kw Direct injection Diesel engine using HOT EGR in the National Conference on Manufacturing Excellence held on 03-04 March 2011 at Amity University U.P.
Applied Science Deptt

Paper Publication in Journal and Conferences


19. Pratibha Sharma, Ashok Kumar and Jitendra Singh, Computational Investigations and Synthesis of 1-(4- Methoxyphenyl)-4-methyl-3-(phenylamino)azetidin-2-one 98th Conference of Indian Science Congress Association, SRM University, Chennai, 3-7 Jan (2011)

E&I/E&TC Department

**International Journals**


**National Journals**


**International Conferences**


14. Vaibhav Neema and Sanjiv Tokekar, “VSECURE: Active & Standby Subthreshold Leakage Current Reduction Technique” Published in the Proceeding of 22nd IEEE technically co-sponsored International Conference on Microelectronics ICM’10 will be held in Cairo, Egypt. ICM’ 10 held in cooperation with the American University in Cairo and the University of Waterloo, IEEE catalog number: CFP10473-CDR, ISBN: 978-1-61284-150-2.


17. Vaibhav Neema and Mahesh Kumawat, “Low power, High Speed & Large Gainbandwidth three stage Operational amplifier” presented in International conference on Advanced Computing , communication and Networks [ICACCCN-11] which will held at Chandigarh on 02-03 june, 2011.

**National Conferences**


Faculty Honors (July 2010- June 2011)
Department of Information Technology

Expert Talk Delivered

2. Dr. Vrinda Tokekar delivered expert Talk on “E-Waste: Hazards & Effects” in the ChoithRam College of Science, 26th February 2011.


4. Mr. Pratosh Bansal delivered key note lecture at National Conference on “Green IT and IT for Green” at Gyan Ganga Institute of Technology & Science, Jabalpur, 19th February, 2011.

5. Ms. Bhawna Nigam delivered expert lectures on Data Mining in Workshop on DBMS and Data Mining at School of Computer Science & IT, 31st July-5th August 2010.

International / National Journal Papers Reviewed
1. Dr Vrinda Tokekar reviewed a paper titled “An efficient block encryption Cipher Based on Chaotic Map for secure multimedia application Insider:” for Information Security Journal: A Global perspective Print ISSN: 1939-3555.


3. Dr Vrinda Tokekar reviewed a paper titled “End to End Management System for Video Transmission over IP Networks” CSI Journal

Academic Honors
1. Dr Vrinda Tokekar has been included as a member of Advisory Board of ILVA College, Indore of Professional Studies.

2. Dr Vrinda Tokekar has been included as a member of Advisory Board of Gujarati Samaj Girls College, Indore.

3. Dr. Vrinda Tokekar has been invited as session chair in National Conference at Pioneer College of Professional Studies, Indore in October, 2010.

4. Dr. Vrinda Tokekar has been invited as session chair in National Conference on Emerging Trends in Information Technology at IPS academy, Indore 24th-25th February 2011.
5. Dr. Vrinda Tokekar has been invited as session chair in National Conference on Green IT for E-Pragati at Truba College of Engineering & Technology, Indore 28th–29th April 2011.

6. Dr. Vrinda Tokekar has been subject Expert in interview panel of various Engineering colleges affiliated to Rajiv Gandhi Technical University, Bhopal and Colleges affiliated to Devi Ahilya Vishwavidyalaya, Indore.

Other Activities
   1. Dr. Vrinda Tokekar, along with Ms. Bhawna Nigam & Ms. Meena Sharma organized one day workshop on “Project Management” for Third year BE students of Computer engineering and Information Technology at IET in January 2010.

   2. Dr. Vrinda Tokekar, Dr. Manohar Chandwani along with Microsoft Student Partners (MSP) organized one day workshop on Cloud Computing & Other Microsoft tools under the initiative of Microsoft Dream Spark Yatra and IET, 6th March 2011, at IET. The students of various engineering colleges in 1200 numbers attended the program.

Department of Mechanical Engineering
   1. Students of Mechanical Engineering SAE BAJA Club has won the prize of Rs. 1,00,000/- (One Lakh Only) for award of Go GREEN VEHICLE (EMISSION) First Runner up in the National Competition held from 28-30th January’11 at Pithampur, Indore (MP).

Dr. Ashesh Tiwari,

   3. Expert lecture on topic “Design of flanged Joint” Delivered by Dr. Ashesh Tiwari at IES, IPS Academy in April 2011.

   4. Two Ph.D Candidate Mr. Amit Kumar Gupta & Mr. J.K. Sharma has been Registered Under the Faculty of Mechanical Engineering Under the Supervision of Dr. Ashesh Tiwari.
Dr. Nagendra Sohani


3. Devi Ahilya University Vice Chancellors nominee as member of academic council of Christian Eminent college, Indore. Attended academic council meetings.


5. Five PhD candidates Mr. Yash Dave, Mr. Hemant Marmat, Mr. Ramjanm Sing, Mr. Maheshwarkar and Mrs Juhi has been registered under the supervision of Dr. Nagendra Sohani

Ibrahim Hussain Shah,

1. Representing team of Students of Mechanical Engineering SAE BAJA Club as FACULTY ADVISOR has won the prize of Rs. 1,00,000/- (One Lakh Only) for award of Go GREEN VEHICLE (EMISSION) First Runner up in the JK BAJA SAEINDIA 2011 National Competition held from 28-30th January’11 at NATRIP Pithampur, Distt. DHAR (MP).

3. Highly appreciated by SAEINDIA the efforts as the FACULTY ADVISOR for significant contribution towards success of JK BAJA SAEINDIA 2011 competition held at held from 28-30th January’2011 at NATRIP Pithampur, Distt. DHAR (MP)

Applied Science Department

Other Achievements

1) Dr. Dheeraj Mandloi has approved as Supervisor for Ph.D. degree in Chemistry under Faculty of Science at DAVV, Indore in March 2011.

2) Dr. Shailendra Singh Khinchi received Ph. D. degree in Physics from Devi Ahilya University, Indore.

3) Dr. Naresh Patel received Ph. D. degree in Applied Mathematics from Devi Ahilya University, Indore.
E&I/E&TC Department

Awards
1. Mr Vaibhav Neema has obtained best Paper award in the category ‘Advances in Electrical Engineering’, International Joint Conference on Advances in Engineering and Technology (AET-2010), Trivandram, Kerala, India, 21st-22nd Dec, 2010.

Professional Activities
1. Dr Sanjiv Tokekar has attended Academic Council meeting at Pioneer Institute of Professional Studies Indore on 30-4-2011 at 12:00 Noon.
2. Dr Sanjiv Tokekar has attended meeting of the Research Degree Committee in Electronics & Telecommunication on 8-4-2011 at Barkatullah University, Bhopal.
3. Dr Sanjiv Tokekar was invited as expert for Focus Group Workshop (framing of syllabi) on 8th & 9th April 2011 at G. H. Raisoni College of Engineering Nagpur. (Could not attend the meeting)
4. Dr Sanjiv Tokekar has session the chair in “Fifth PIMR National IT Conference on “IT Initiatives for Building Creative Organizations” held 9-10 Sept. 2011 at PIMR Indore.
5. Dr Sanjiv Tokekar has reviewed the papers of International Conference “Sixth International Conference on Wireless Communication & Sensor Networks,” WCSN-2010 from December 15 to 19 2010” held at Indian Institute of Information Technology Allahabad.
6. Dr Sanjiv Tokekar has reviewed Papers of CSI journal.
7. Dr Sanjiv Tokekar has delivered the Lecture at Swami Vivekanand College of Engineering, Indore.
8. Dr Sanjiv Tokekar has reviewed paper at ICECT.
10. Dr Sanjiv Tokekar has attended academic Council meeting at Pioneer Institute of Professional Studies Indore on 11-12-2010 at 4:00 PM
11. Dr Sanjiv Tokekar nominated as member Governing Body of Modern Institute of Professional Studies Indore.
12. Mr Ravi Sindal has sessioned the chair at National conference on Advances in Electrical and Electronics Engineering held at SVCE, Indore from 24-25 Feb, 2011.
13. Mr Ravi Sindal was in panel of examiners for the IGNOU approved courses at Scientech Learning Centre, Indore.

14. Mr Vaibhav Neema acted as Editorial & Reviewer board member for International Journal of Computer and Electrical Engineering (IJCEE)

15. Mr Vaibhav Neema has reviewed the paper for VDAT 2010 - 14th IEEE/VSI VLSI Design And Test Symposium, July 7-9, 2010 at Chitkara Institute of Engineering & Technology Chandigarh.

16. Mr Vaibhav Neema has reviewed the paper for International Conference on Communication Systems and Network Technologies 2011, Mata Vaishno Devi University, Katra Jammu, India, during 3-5 Jun 2011.

17. Mr Vaibhav Neema has reviewed the paper for International Conference on Computational Intelligence and Communication Networks (CICN2011), Gwalior (MP), During 7-9 Oct 2011.

Major Projects Undertaken:

- 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.14,916,00 for research project “Grating shearing interferometry for investigations in Experimental Mechanics using phase shifting technique” for funding from Defence Research Development Organisation, New Delhi, India
- Grant of Rs. 13,44,000:00 for research project “Optical Metrology using Phase Shifted Lau Interferometry” for funding from DST, New Delhi
- Research project under the Collaborative Research Scheme of UGC-DAE, CSR, Indore entitled “Microstructure of thin film prepared by reactive sputtering” since October 2008 to 2011.

Outreach Activity: Institute organize many activities for overall development of the students. Activities like Tech fest, cultural festival (Mridaksha), sports festival, Kaleidoscope, organized by the different technical clubs of the students like Forces club, Abacus club etc. Students published Institute Magazine (Pegasus).

Main Strengths:
(i) Strictly follow academic calendar
(ii) More emphasis on class room teaching
(iii) Present Industry requirement based curriculum
(iv) Student feedback for continuous improvement
(v) Excellent infrastructure and laboratories
Milestones:
- Good placement record 272/300
- Maximum salary drawn Rs. 6.5 lac
- Average salary drawn Rs. 3.1 lac
- Few students among top 10 in GATE, about 50 students have good score in GATE 2011.
- Mechanical students participated in BAHA (automotive vehicle design and manufacturing contest and won Rs 1 lac prize for best green design)
- Collaboration with RRCAT, Indore for carrying out Research in Engineering Subjects
- Collaboration with NIC, New Delhi for technology adoption (CollabCAD)
- Collaboration with IIT Mumbai & RRCAT, Indore Accommodation of temporary location of new IIT at Indore for 03 years (2009-2012)
- MOU with TCS for incumbent training
- Industry collaboration e.g. Eicher Motors
- More than 70 research scholars are presently registered/enrolled in Faculty of Engineering
- 7x24 internet access to all the terminals with 2 MBPS leased line & 1 Mbps broad line
- About 28662 books valued Rs. 11 Lakhs;
- University arranges for E-subscriptions of Journals. An amount of approx. Rs 2:00 lakhs per annum is paid by the Institute towards this contribution
- WI-Fi facility, provided at students hostel

Total Built-up Area (Sq m): 18276

Postal Address:
Institute of Engineering and Technology
Devī Ahilya University
Khandwa Road, Indore
Contacts of UTD
(Phone Nos., 0731-2361116, 2361117 Fax 0731-2764385
Email-ids, dir.iet@dauniv.ac.in
admin.iet@dauniv.ac.in

Mobile Numbers 09425322306)
One Photo (small & Latest) of Building with Visible Name (jpg file)