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):

Sr. No	Name	Name of the Course	Approved Intake 10-11	Course Duration(CD)	Year Started	Admission process
1	B.E	CIVIL ENGINEERING	60	4 YEARS	2009	MP-PEPT
2		MECHANICAL ENGINEERING	60	4 YEARS	1996	MP-PEPT
3		COMPUTER SCIENCE AND ENGINEERING	120	4 YEARS	1996	MP-PEPT
4		ELECTRONICS AND INSTRUMENTATION ENGINEERING	60	4 YEARS	1996	MP-PEPT
5		ELECTRONICS & TELE-COMMUNICATION ENGINEERING	120	4 YEARS	2000	MP-PEPT
6		INFORMATION TECHNOLOGY	120	4 YEARS	2000	MP-PEPT
7	M.E	INDUSTRIAL ENGINEERING AND MANAGEMENT	18	2 YEARS	2002	GATE / % 0f BE /Counselling
8		DESIGN AND THERMAL ENGINEERING	18	2 YEARS	2008	GATE / % 0f BE /Counselling
9		SOFTWARE ENGINEERING	18	2 YEARS	2002	GATE / % 0f BE /Counselling
10		INFORMATION SECURITY	18	2 YEARS	2008	GATE / % 0f BE /Counselling
11		DIGITAL INSTRUMENTATION	18	2 YEARS	2003	GATE / % 0f BE /Counselling
12		DIGITAL COMMUNICATIONS	18	2 YEARS	2003	GATE / % 0f BE /Counselling
13	MSc	APPLIED MATHEMATICS	18	2 YEARS	2008	GATE / % 0f BE /Counselling

Statistics of Total Enrolled Students (Gen, SC, ST, OBC, Male/Female)

	General	SC	ST	NRI	OBC	Total
Male	757	187	224	25	201	1394
Female	322	77	85	3	77	564
Total	1079	264	309	28	278	1958

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 71experts as visiting faculties)
- Teachers are motivated for the attending short term courses, refressor 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.

Major Research Areas: Mechanical Engg.: Supply Chain Management; Thermal Engineering; Logistic Models; Machine Design , Tribology,
Computer Engg.: QoS for Distributed Systems; Machine Learning; NLP; Fuzzy Systems; Parallel Computing; Aspect-Oriented Programming.
Electronics Engg: Protocol Engineering; Simulation and Modeling; Smart systems.

Faculty Publications (July 2010- June 2011

Department of Information Technology
International Journal Papers Published

1. Dr Vrinda Tokekar along with Anand Rajavat published a paper entitled "SysRisk –A Decisional Framework to Measure System Dimensions of Legacy Application for Rejuvenation through Reengineering," in International Journal of Computer Applications (IJCA), 16(2):16–19, February 2011 ISBN: 978-93-80747-56-8, DOI 10.5120/1985-2674.

2. Dr Vrinda Tokekar along with Sunita Verma, Subodha Mishra published a   paper entitled "Providing Balanced Throughput and Fairness using Random Ranks and Mini Slots at MAC Layer in Ad Hoc Networks", International Journal of Computer Applications, vol.1, no.7, pp. 31-36, Feb 2010.

3. Mr. Pratosh Bansal along with Dr. Chandwani, M. published a paper entitled "ICT Based Knowledge Management for Sustainable Competitive Advantage", in International Journal of Systems and Technologies (ISSN **0974 - 2107**), Vol. 3, No. 2, 2010. (Under print).

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

1. Dr Vrinda Tokekar along with Anand Rajavat published a paper entitled "MngRisk-A Decisional Framework to Measure Managerial Dimensions of Legacy Application for Rejuvenation through Reengineering", in IEEE Explorer and proceedings of International conference on Network and Computer Science (ICNCS 2011), 8-10 April 2011, Kanyakumari.

2. Dr Vrinda Tokekar along with Anand Rajavat published a paper entitled "ReeRisk – A Decisional Risk Engineering Framework for Legacy System Rejuvenation through Reengineering", in Proceedings of Second International Conference on Recent Trends in Information, Telecommunication and Computing – ITC 2011 by **Springer LNCS-CCIS**, March 10-11, 2011 **in Bengaluru, India, CNC 2011, CCIS 142, pp. 152 – 158, 2011, © Springer-Verlag Berlin Heidelberg 2011.**

3. Dr Vrinda Tokekar along with Anand Rajavat and Jigyasu Dubey published a paper entitled "Identification of Risk Engineering Issues in Reengineering Process of Software Systems", in Proceedings of International IEEE Conference on Computer Engineering and Technology (ICCET'10), 13-14 Nov. 2010, JIET group of Institution, Jodhpur, India.

4. Dr Vrinda Tokekar along with Jigyasu Dubey and Anand Rajavat published a paper entitled, "A Study of P2P Computing Networks", in Proceedings of International Conference on Computer Engineering and Technology (ICCET'10), pp 623-627, 13-14 Nov. 2010, JIET group of Institution, Jodhpur, India.

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.

6. Mr Hemant Makwana and Dr. Suresh Jain published paper entitled "Clutter Reduction through Pattern based Clustering", in 3rd International Conference on Computer Modeling and Simulation (ICCMS 2011) held at Mumbai, 7-9 January, 2011.

7. Mr. V. Kapoor along with Dr. S.Dey and Dr. A.P. Khurana published a paper entitled, "Optimizing Stock Trading Rules using Genetic Algorithms", in Proceedings of 4th IIMA Doctoral Colloquium held at IIM Ahemadabad from 3-4 January 2011.

8. Ms. Bhawna Nigam along with Dr. Suresh Jain published a paper entitled, "Generating a new model for predicting the next accessed web page in web usage mining", in IEEE International Conference on Emerging Trend in Engineering & technology (ICETET) held at BITS Pilani Goa 19-21 November-2010.

9. Ms. Bhawna Nigam along with Dr. Suresh Jain published a paper entitled "Analysis Of Markov Model On Different Web Prefetching And Caching Schemes" in International Conferecnce On Computaional Intelligence And Computing Research held at Tamilnadu College Of Engineering Coimbatore 28-29 December,2010.

10. Rishabh Jain, Aprajita Pandey, Pramod Duraphe, Bhawna Nigam, S. Jain published paper entitled "Performance Evaluation of PSVM Using Various Combination of Kernel Function for Intrusion Detection System" 3rd International Conference on Computer Modeling and Simulation, ICCMS-2011, 7-9 January2011.

Department of Mechanical Engineering

Dr. Ashesh Tiwari,

1. "Tribological Material Selection, Analysis Modification and Manufacturing of   Mill Roller of 4-High Rolling Mill with FEA Model" Tiwari A., Sane P. International Journal of Scientific & Engineering research, France June'11.

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

3. "Performance enhancement of shallow solar pond by system modification", Tiwari A., Sharma S.C. International Journal on Emerging Technologies 1(1): 92-96(2010) ISSN: 0975-8364.

4. "Fatigue analysis of Wind Turbine Composite Hub" Jahal H., Torgal S., Tiwari A. National Journal of Narul Islamia Kumaracoil, Tamilnadu ,June 2011.

Dr. Nagendra Sohani

1. Ramjanm Singh and Nagendra Sohani "Enhancing supply chain performance through supply chain integration in manufacturing firm"International Journal of Management Studies and Research,(April-June, 2011), Vol. I, pp 18-24

2. Ramjanm Singh and Nagendra Sohani " Effect of Supply chain Integration on Firm Performance" , Proceedings of National Conference on recent advances in manufacturing and technology, at Datta Meghe Institute of Management studies, Jan 10-11, 2011

3. Nagendra Sohani,Mohit Maheshwarkar and Pallavi Maheshwarkar, "Evaluation on the level of knowledge management of banking sector based on AHP: a conceptual review, International conference on Global Impact on Indian Managemnt, Oxford college of Engineering , Bangalore

4. Yash Dave and Nagendra Sohani, " Reducing set-up time through single minute exchange of dies: a case study", International Journal of Engineering research and application,(2010), Vol .3, No.III, 125-134.

5. Yash Dave and Nagendra Sohani. "The Journey of Lean Manufacturing: Literature Review, National Journal of Udhyog Pragati, to be published in april 2011 issue.

6. Ramjanm Singh and Nagendra Sohani, " Recovery of hidden cost through overall equipment effectiveness parametes", National Journal of Udhyog Pragati, (july 2010), vol.34, No.2, pp. 9-16.

7. Hemant Marmat and Nagendra Sohani, "AHP with ISM based approach for supplier selection" International Conference and Colloquium *Excellence in Research & Education "25-28 September 2010"* IIM Indore, 2010

Sharad Choudhry

1. Maheshwari, G., Chaudhary S., Somani S.K., 2010, "Exergy-based Ecological Analysis of Generalized Irreversible Heat Pump System" Journal of Engineering Science and Technology (JESTEC), October 2011, Vol. 6 (5) (in press).

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)" conduted 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 publishied 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

1. Aziz, S.; Khadikar, P.V.; John, P.E. The Graph -Theoretical Descriptors for Carbon Nanotubes: Sadhana (Sd) Index of Phenylene (PH) and Its Hexagonal Squeeze (HS), J. Comput. Theo. Nano. Sci. 2010, 7, 394 – 396.
2. A. T. Balaban, P. V. Khadikar, and S. Aziz: Comparison of Topological Indices Based on Iterated 'Sum' versus 'Product' Operations, Iranian J. Math. Chem., 2010, 1, 43 – 60.
3. *S. Aziz, A. D. Manikpuri, P. E. John and P. V. Khadikar:* Computation of the Sadhana (Sd) Index of Linear Phenylenes and Corresponding Hexagonal Sequences, Iranian J. . Math. Chem., 2010, 1, 79 – 90.
4. *P. E. John, S. Aziz, P. V. Khadikar:* Use of Structure Codes (Counts) for computing topological indices of carbon nanotubes: Sadhana (Sd) index of phenylenes and its hexagonal squeezes, Iranian J. Math. Chem., 2010, *1*, 91 – 94.
5. A. T. Balaban, S. Aziz, *A. D. Manikpuri* and P. V. Khadikar: *Simple correlation for the π-electron energy and other properties of cata-condensed benzenoids.* J. Indian Chem. Soc., 2011, 88, 87– 97.
6. *A. D. Manikpuri, S. Aziz, R. G. Varma, S. Karmarkar, and P. V. Khadikar: The PI Index : Development and Toxicological vis-à-vis Environmental Applications, Proc. Nat. Acad. Sci. India , 2010, 80,*
7. S. S. Khinchi, S. S. Modak, L. Kraus, P. Svec, F. Mazaleyrat and S. N. Kane Influence of Co content and thermal annealing on structural, magnetic and magneto-elastic properties of nanocrystalline Fe-Co-Nb-B alloys, Physica B : 405 (2010) 2803-2806.
8. Rachana Gupta, M.Gupta and A.Gupta, Preparation and Characterization of Nanocrystalline Soft Magnetic FeXN Thin Films, 55th DAE Solid State Physics Symposium   Dec-2010,Manipal University, Manipal, Karnataka.(to be published in AIP Conf. Proc.)
9. Harsh Vardhan Jain, Practical Approach in Mathematics Education, International Congress of Mathematicians Hyderabad 2010, Hindustan Book Agency, 2010
10. Harsh Vardhan Jain, Sujata Saxena, Is Industrial Advancement the Real Advancement?, Paradigm Shift in Global Business for Sustainable Development, Excel Books, 2011.
11. Harsh Vardhan Jain, Practical Approach in Mathematics Education, International Congress of Mathematicians, Hyderabad, 2010.
12. Harsh Vardhan Jain, Sujata Parwani, Yogesh Chouhan, Indian Economy - A Creative Synthesis, International Conference on Managing Excellence for Emerging Global Paradigm in Business & Technology, 2011.
13. Dheeraj Mandloi, Teena Pareek and Deepak Khare, E-Waste: Generation and hazards, National Seminar on Chemistry at Govt. Madhav Science PG College at Ujjain during 4-5 March 2011.
14. Ashok Kumar, Pratibha Sharma, Prerna Kumari, Jitendra Singh and M. P. Kaushik, QSAR modeling of synthesized   3-(1,3-benzothiazol-2-yl-2-phenyl quinazolin-4-(3H) ones as potent antibacterial agent, Medicinal Chemistry Research, (Springer) (2011) DOI 10.1007/s00044-011-9626-0

15. Pratibha Sharma, Ashok Kumar, Manisha Sharma, Jitendra Singh, Prabal Bandyopadhyay, Manisha Sathe, & M. P. Kaushik, Synthesis and exploration of QSAR model of 2-methyl-3-[2-(2-methylprop-1-en-1-yl)-1H-benzimidazol-1-yl]pyrimido[1,2-a]benzimidazol-4(3H)-one as potential antibacterial agents, Journal of Enzyme Inhibition and Medicinal Chemistry, (2011) (doi:10.3109/14756366.2011.587814)

16. Pratibha Sharma, Ashok Kumar. Siya Upadhyay, Jitendra Singh and Vinita Sahu, A novel approach to the synthesis of 1,2,3-triazoles and their QSAR studies, Medicinal Chemistry Research, (Springer) 19, 589-602 (2010)

17. Pratibha Sharma, Ashok Kumar and Jitendra Singh, Synthesis and Docking studies of 6-(2,2-diphenylethenyl)-9-phenyl-2-thiol-9H-purine as p38 MAP Kinase Inhibitor, 29th Indian Council of Chemists, 19-21 Dec. 2010, Panjab University, Chandigarh, Pg. 100, OO-13.

18. Pratibha Sharma, Ashok Kumar and Jitendra Singh, A computational study of [2+2] cycloaddition: Staudinger reaction 29th Annual Conference of the Indian Council of Chemists 19-21 Dec. 2010, Panjab University, Chandigarh, PO-11.

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 Jourals

1. Namita Lanjwar and Dhiraj Nitnaware, "Performance Analysis of Routing Protocols for Battlefield monitoring System", Accepted in International Journal of Electronics & Communication Engineering (MITIJEC) ISSN: 2230-7664(Print Version), 2230-7672(Online Version), 2011.

2. Jitendra Dhanotia, Shashi Prakash, Santosh Rana and Osami Sasaki, "Slope measurement of bent plates using double grating shearing interferometry" Applied Optics 50, 2958–2963 (2011).

3. Dhanotia, Jitendra, Prakash, Shashi, "Collimation testing using wedge plate lateral shearing interferometry and Fourier fringe analysis" Optics & Lasers in Engineering 49, (2011) 1025-1031.

4. Dhanotia, Jitendra, Prakash, Shashi , "Automated collimation testing by incorporating the Fourier transform method in Talbot interferometry " Applied Optics 50, (2011) 1446-1452.

5. Dharmendra Singh Yadav, Santosh Rana, Shashi Prakash, "Hybrid Connection Algorithm: a strategy for efficient restoration in WDM optical networks" Optical Fiber Technology 16 (2010) 90–99.

6. Smita Patil, Raksha Upadhyay "Performance of Wimax using Adaptive Equalization and RS-CC concatenated codes" in International Journal of Advances in Science and Technology, Vol. 1,No.5,.2010 ISSN 22295216.

7. Nilesh Dubey, Vandana Dubey, Shivangi Bande, " Cell ID based Vehicle Locator and Real Time Deactivator using GSM network", SpringerLink Communication in computer & information science,2011,volume 147,part1,82-86.

8. Uma Rathore Bhatt, Sanjiv Tokekar, Routing and wavelength assignment algorithms for multiclass WDM optical networks, Optik 122 (2011) 1466– 1469.

9. Minal Tomar and Pratibha Singh "A Directional Feature with Energy based Offline Signature Verification Network" International Journal on Soft Computing (IJSC), Vol.2, No.1, February 2011 DOI : 10.5121/ijsc.2011.2105 48.

10. Vaibhav Neema and Sanjiv Tokekar, "Development of Low Power Solutions in Stacking of Transistors based on variations of Transistor Width (W)" Communicated in International Journal of Advances in Science and Technology, ISSN: 2229-5216.

11. Vaibhav Neema and Sanjiv Tokekar, "Analysis of Dual Threshold Voltage over Low Power design techniques for CMOS digital", Published as a Research Article in Inventi Journal of Engineering and Technology, Volume 2011-Issue 2, April - June 2011, ISSN: 2230–9202.

12. Vaibhav Neema and Sanjiv Tokekar, "Evaluation of Low Power 2 Input NAND gate using proposed "VSECURE" Technique" , Submitted in IEEE transaction for Circuit and System -1 (TCAS-1).

National Journals
1. Vaibhav Neema, S.S.Chouhan, Sanjiv Tokekar, "Novel Circuit Technique for Reduction of Leakage Current in Series/Parallel PMOS/NMOS Transistors Stack", Paper Published in IETE JOURNAL OF RESEARCH, Vol 56, ISSUE 6, Nov-Dec 2010, pp 362-364.

International Conferences
1 Dhiraj Nitnaware and Ajay Verma, "Performance Analysis of Energy Efficient Routing Algorithms for Adhoc Network", Proceeding of Springer International Conference on Advances in Computing, Communication and Control (ICAC3-2011), CCIS 125, pp. 222–230, Bandra, Mumbai, January 28-29, 2011. ISBN: 978-3-642-18439-0.
2. Jitendra Dhanotia, Shashi Prakash, "Defect detection in bent plates using coherent gradient sensing" Presented at Optics'11, International Conference on Optics at NIT Calicut, India from 23-25 May 2011.

3. Reena Disawal, Jitendra Dhanotia, Shashi Prakash, "Measurement of small displacement using coherent gradient sensing" Presented at Optics'11, International Conference on Optics at NIT Calicut, India from 23-25 May 2011.

4. Dharmendra S. Yadav, Santosh Rana, and Shashi Prakash "An efficient RWA strategy for meeting static lightpath demand in WDM networks" Photonics 2010: International Conference on Fiber Optics & Photonics, held at IIT Guwahati from 11-15 Dec. 2010, India.

5. Reena Disawal, Satyaprakash Trivedi and Shashi Prakash "Visualization of acoustic wave using grating shearing interferometry" Photonics 2010: International Conference on Fiber Optics & Photonics, held at IIT Guwahati from 11-15 Dec. 2010, India.

6. Sudeep Kumar Jain, Raksha Upadhyay, Smita Patil, "Simulation and Performance Evaluation of Wi-Max 802.16e OFDMA Systems", International Conference on Current Trends in Technology, Nirma University, Ahemdabad, DCE 9-11, 2010.

7. Smita Patil, Raksha Upadhyay, "Performance of Wimax 802.16 e in presence of Adaptive Equalizers" in IEEE 4 th International Conference on Advanced Computing and Communication Technologie" (ICACCT – 2010), Panipat, Haryana Oct 30, 2010.

8. Uma Rathore Bhatt, Sanjiv Tokekar, Wavelength Conversion in Multiclass WDM Networks,10th International Conference on Fiber Optics & Photonics: PHOTONICS 2010, 11-15 Dec.2010, IIT Guwahati, India.

9. Uma Rathore Bhatt, Sanjiv Tokekar, Analysis of wavelength conversion in wavelength routed WDM networks, International conference on communication & signal processing: ICCSP-2011, 10-12 Feb. 2011, NIT Calicut, Kerala, India.

10. Pratibha Singh, Ajay Verma, Narendra S. Chaudhari "Classification of Hindi numeral using Fuzzy Zoning and SVM", ACCT'11 January 2011Rohtak, India.

11. Minal Tomar[*] and Pratibha Singh, "An Intelligent Network for Off-line Signature Verification using Chain Code" COSIT January 2011, Bangalore India.

12. Pratibha Singh, Ajay Verma, Narendra S. Chaudhari, "Performance evaluation of classifiers applying directional features for Devnagri numeral Recognition" ICCRC'11 New Delhi, March 2011.

13. Pratibha Singh, Ajay Verma, Narendra S. Chaudhari, "Performance analysis of flexible zone based features to classify Hindi numerals" ICNCS'11 Kanyakumari, April 2011.

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.

15. Vaibhav Neema and Sanjiv Tokekar, "Scaling Effect over Proposed Technique "VSECURE" for Static Power Reduction in Digital CMOS VLSI circuits" Published in Proceeding of NuiCONE-2010 in International Conference on Current Trends in Technology (NUiCONE 2010), Ahmedabad, India.

16.   Vaibhav Neema and Sanjiv Tokekar, "Analysis and Minimization Technique for Leakage Reduction in Two Input NOR gate" published in Proceeding of in International Joint Journal Conference in Engineering, AET 2010 - Trivandrum, Kerala, India (ISBN 978-81-910691-4-3) pp 160-164.

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 [ICACCN-11] which will held at Chandigarh on 02-03 june, 2011.

National Conferences

1)   Juned Ahemad, Dr.Ajay Verma. "Comparative Analysis of image segmentation algorithm for brain MRI images", National Conference on Recent Trends in Electronic & Communication Technology, April 8-9,2011,S.D.Bansal College of Technology & KCB Technical Academy, Indore.

2)   Kirti Bhargav, Shivangi Bande, "Performance Analysis of AODV and DSR routing Protocols in Adhoc Network Scenario", National Conference on Emerging Trends in Computing & Communication, NOV 19-20,2010,Medicapps institute of Technology & management, Indore

3)   Sadhana Tiwari, Shivangi Bande. "Evaluation of improved watershed segmentation", National Conference on Recent Trends in Electronic & Communication Technology, April 8-9,2011,S.D.Bansal College of Technology & KCB Technical Academy, Indore.

4)   Abhash Sen, Madhvi Jangalwa, "Performance Analysis of CDMA 2000", National Conference on Emerging Trends in Computing & Communication, NOV 19-20,2010, Medicapps institute of Technology & management, Indore.

5)   Minal Tomar and Pratibha Singh 'A Simpler Energy Density method for Off-line Signature Verification using Neural Network', two day national conference on "Convergence of Signal Processing, Communication and VLSI Design", August 2010

6)   Vaibhav Neema , "Ultra Low Power 1-Bit Full Adder for Bio-Medical / Battery Operated VLSI Circuit Designing" Presented in 26th Young Scientist Congress held in JNKVV, Jabalpur during 28th FEB- 1st MARCh -2011.

7)   Vaibhav Neema, Shivangani Saxena and Namrata Dixit, "One Bit Full Adder For Sub-Threshold Logic Design" Presented in National Conference on Advances in Electrical and Electronics Engineering (AEEE-2011) at SVCE, Indore, during 24-25 Feb, 2011.

8)   Vaibhav Neema, Shivangani Saxena and Namrata Dixit, "Performance Evaluation and Development of Sub threshold Library Cell Components" Presented in National Conference on Recent Trends in Electronics & Communication Technology (ECOMM-2011) at SD- Bansal , Indore, during 8-9 April , 2011

9)   Vaibhav Neema and Kapil Sahu , Implementation of WCDMA rake Receiver Used in 3G Wireless Communication using VHDL, Presented in 4th National Conference & ISTE State Chapter Annual Convention on NCWCVD-2011 at Gwalior, MP, during May 29th , 2011.

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

Expert Talk Delivered
1. Dr. Vrinda Tokekar delivered Expert talk on "Mobile Ad-hoc Networks & QoS Issues" at Workshop on Emerging Research Trends in Computer Engineering and Related Interdisciplinary Areas held at Swami Vivekanand College of Engineering, Indore, 21-22 January 2011.

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

3. Dr. Vrinda Tokekar delivered Expert talk on "Next Generation Network Issues" in Expert lecture series held at Lord Krishna College of Technology, Indore, 2nd March 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.

2. Dr Vrinda Tokekar reviewed a paper titled "A novel High Performance data Security Algorithm for WLAN's" 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,

2. Ph.D. Thesis Titled "Performance enhancement of solar pond by parametric control & system modification" submitted by Mr. S.C. Sharma & Ph.D. Thesis Titled "Evolution of logical frame work for Product development using Quality Function Deployment" BY Devendra Verma , under the guidance of 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

1.   Guest of honour and Key note speaker at National Workshop on "An overview of Industrial Accident Prevention in present Industrial Scenario" at IPS Academey, Indore. Nov 2010.

2.   Keynote Speaker at National Level Technical workshop and Festival – "ECLECTIC – 11" at Mandsour Institute of Technology, Mandsour.

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

4.   Appointed Session chair at International conference on Global Impact of Indian Management, Oxford college of Engineering, Bangalore.

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.

9. Dr Sanjiv Tokekar has attended orientation Workshop for Chairman / Expert Volunteers of Accreditation Expert Committees on 27th – 28th May 2011 of National Board of Accreditation at NITTTR, Bhopal.

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. 6.5lac
- 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
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Mobile Numbers 09425322306)
One Photo (small & Latest) of Building with Visible Name (jpg file)