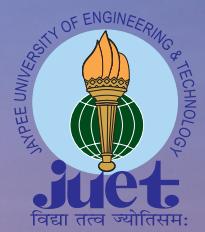


# JUET chronicle



## FIRST PRIVATE UNIVERSITY IN MADHYA PRADESH

Jaypee University of Engineering & Technology (JUET), Raghogarh, Guna (M.P.) has been established under the Madhya Pradesh Private University Act No. 23 of 2010. JUET, Guna is the first private university in the state of Madhya Pradesh, established under the above act on 23rd April 2010.

## THE CHANCELLOR

Shri Jaiprakash Gaur has kindly consented to be the first Chancellor of JUET Guna. Shri Gaur, an alumnus from University of Roorkee (India), has been associated with the construction industry for over 54 years and is responsible for the growth of Jaypee Group of Companies across the country. Shri Jaiprakash Gaur has been the founder member of Jai Prakash Sewa Sansthan (JSS)-a not for profit education initiative of Jaypee group of companies, for providing state of the art educational ambience in the country.

## THE VICE CHANCELLOR

Prof. N. J. Rao has assumed office of the first Vice Chancellor of JUET, Guna, on 07th October 2010. Prior to taking over as the Vice Chancellor of Jaypee University of Engineering & Technology, he had served over six years as Director of Jaypee Institute of Engineering & Technology with distinction. Prof. Rao was also Professor and the Director of the Institute of Paper Technology, IIT, Roorkee and the Director of Central Pulp and Paper Research Institute, Roorkee (A national laboratory under the Ministry of Industry, GOI).

## ADMITTED STRENGTH IN ALL COURSES

B. Tech	M. Tech	Diploma	Ph. D	Total
1599	61	98	36	1794

## PAPERS PUBLISHED IN JOURNALS

- D. S. Hooda and R. K. Bajaj : 'Useful' fuzzy measures, integrated ambiguity and directed divergence - International Journal of General Systems, 1-12, 2010.
- D. S. Hooda and D. K. Sharma : Exponential survival entropies and their properties-Accepted for publication in Advances in Mathematical Sciences and Applications, Vol. 20, 2010.
- D. S. Hooda and D. K. Sharma : Generalized Measures of 'Useful' Relative Information and Inequalities - Accepted for Publication in SIRT Journal of Engineering and Sciences.
- D. S. Hooda and D. K. Sharma : Bounds on Generalized Cost Measures- Accepted for publication in JCISS.
- D. S. Hooda and R. K. Bajaj : Generalized measures of fuzzy directed-divergence, ambiguity and information improvement-Accepted for Publication in JAMSI, Vol.6, No.2, Dec., 2010.
- I. Husain and Rumana, G. Mattoo, "On Mixed Type Duality for Non-differentiable Multi-objective Variation Problems", European Journal of Pure and Applied Mathematics, Vol.3, No 1, pp. 81-97, 2010.
- I. Husain and Rumana, G. Mattoo, Multi-objective Duality in Variational Problems with Higher Order Derivatives, Communications and Network Vol.2, No 1, pp. 138-144, 2010.
- I. Husain and Rumana, G. Mattoo, "On Mixed Type Duality for Multi-objective Programming Containing Support Functions", Journal of Informatics and Mathematical Sciences, Vol 2, No. 1, pp. 35-44, 2010.
- I. Husain and Rumana, G. Mattoo, "Symmetric Duality for Multi-objective Variational Problems

## CONTENTS

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## EDITORIAL BOARD

- Prof. D.S. Hooda  
- Chairman
- Dr. Shishir Kumar
- Dr. Arnab Kumar Ray
- Dr. Amit Mishra
- Dr. Rajeev Srivastava
- Dr. Rashmi Tyagi



## CONTACT :

contact@jiet.ac.in  
info@jiet.ac.in

**40 research papers  
published in journals of  
national/ international  
repute**



Containing Support Functions", Istanbul University Journal of School of Business Administration Vol.39, No 1, 2010, pp. 1-20, 2010.

- Hradyesh Kumar Mishra, " An Order Reduction Method of Second-order Singular Perturbation Boundary Value Problems" JNANABHA, Vol. 40 (20), 2010.
- B.R.Gupta, Satya Deo, Stokes flow of micropolar fluid past a porous sphere with non-zero boundary condition for microrotations, International journal of fluid mechanics research Vol. 37(5), 2010.
- Singh Satish K., Kumar Shishir, "Mathematical Transforms and Image Compression: A Review", Maejo, Int. J. of Science and Technology, vol.4, no.2, pp 235-249, 2010.
- Singh Satish K., Kumar Shishir, "Singular Value Decomposition Based Subband Decomposition and Multiresolution (SVD-SBD-MRR) Representation of Digital Color Images", Pertanika Int. J. of Science and Technology, vol.19, 2011.
- Sandeep Saini, A Mahesh Kumar, Sreehari Veeramachaneni and M.B. Srinivas, "An Alternate approach to Buffer Insertion for Delay and Power Reduction in VLSI Interconnects", Journal of Low Power Electronics, Volume6, Number3, October, 2010.
- B.K.Mohanty and P.K.Meher, "Memory-efficient modular VLSI architecture for high-throughput and low-latency implementation of multilevel lifting 2-D DWT, IEEE Transaction on Signal Processing, Regular paper, In Press.
- B.K.Mohanty and P.K.Meher, "Parallel and pipeline architecture for high-throughput computation of 3-D DWT, IEEE Transaction on Circuit and System for Video Technology, Vol.20, 1200-1209, .2010.
- Rajesh K. Vishwakarma and Sanjay Tiwari "A dual-band stacked rectangular microstrip antenna" Indian Journal of Radio & Space Physics New Delhi (India), Vol 39 pp no-163-169, June 2010.
- Rajesh K. Vishwakarma and Sanjay Tiwari "Air gap aperture coupled staked microstrip antenna for dual-band operation" Indian Journal of Radio & Space Physics New Delhi (India) [In Press]
- Ram Kumar Soni, Alok Jain, Rajiv Saxena, "Design of M-Band NPR Cosine-Modulated Filter bank Using IFIR Technique," Journal of Signal and Information Processing, 2010, 1, 35-43.
- Rajesh Khanna and Rajiv Saxena, "A Novel FRFT Beamformer for Rayleigh Faded Channels," Wireless Personal Communications, 2010, Volume 52, Number 4, Pages 693-707.
- Ram Kumar Soni, Alok Jain and Rajiv Saxena, "An optimized transmultiplexer using combinational window functions," Signal, Image and Video Processing, In Press, 2010.
- Sanjay Kumar, Kulbir Singh, Rajiv Saxena, "Analysis of Dirichlet and Generalized Hamming window functions in the fractional Fourier transform domains," Signal Processing, Volume 91, Issue 3, March 2011, Pages 600-606.
- Amit Mishra and Zaheeruddin, "Design of Hybrid Fuzzy Neural Network for Function Approximation," J. Intelligent Learning Systems & Applications (JILSA), vol. 2, pp. 97-109, ISSN Online: 2150-8410, 2010.
- Amit Mishra and Zaheeruddin, "Design of Fuzzy Neural Network for Function Approximation and Classification," IAENG International Journal of Computer Science, Volume 37 Issue 4, Pages 326-340, ISSN Online: 1819-9224, 2010.
- Neeraj Kumar Rathore and Dr. Inderveer Chana, "A Survey of Load Balancing Technique with job migration in Grid Environment", International Journal in Computer Science and Information Security (IJCSIS), San Francisco, USA, August 2010.
- Pawan Jindal, Amit Kumar, Shishir Kumar "Minimum and maximum ratio of number of red internal nodes to black internal nodes in Red Black tree" published in International Journal of Computer Applications, Vol.5 No. 9, August 2010.
- Pawan Jindal, Amit Kumar, Shishir Kumar, "Analysis of shortest path algorithms" published in Global Journal of Computer Science and Technology, vol.10 Issue 8 Sep 2010.
- Pawan Jindal, Amit Kumar, Shishir Kumar, "An algorithmic approach for traveling salesman problem" published in International Journal of Computer Science and Technology, vol.1 Issue 1, Sep 2010.
- Pawan Jindal, Amit Kumar, Shishir Kumar, "Towards the solution of NP complete problems" published in the Journal of Applied Computer Science and Mathematics vol.4 Issue 9, page 63-66, 2010.
- Punit Pandey, Deepshikha Pandey, Shishir Kumar, "Reinforcement Learning by Comparing Immediate Reward", International Journal of Computer Science and Information Security, Vol. 8, No. 6, 2010.
- Shishir Kumar, Prateek Pandey "Dynamic Performers using Fuzzy Logic in Business Process Management", Journal of P. IT, Vol.8 Issue 12 , pp 71-75, 2010.
- Kamlesh Gupta, Sanjay Silakari, Snehlata Yadav, "Security Issues in Wireless Sensor Networks", Journal of Information Systems and Communication, Vol.1, Issue 2, pp 01-06, 2010.
- Rajeev Srivastava, Arvind Mohan,"Employment pattern of micro and small scale industries in India" International Journal of Small Business , 2010, pp 33-41.
- Shishir Kumar, Harikesh Singh, "Development of Distributed Monitoring Framework" in International Journal of Advanced Research in Computer Science (IJARCS), vol.1, No. 4, Dec 2010.
- G. L. Sivakumar Babu, Amit Srivastava, K S Nanjunda Rao, S Venkatesha, "Analysis and Design of vibration isolation system using open trenches", International Journal of Geomechanics, ASCE, (Accepted for publication), 2010.
- Krishna Murari, D K Shukla, Udit Jain, B. Jha, "An experimental study on the use of optimum percentage of polypropylene fibre in FRC", International journal of engineering research and technology (IJERT),

**39 research papers published in the proceedings of National/ International Conferences**



(Accepted on 22nd July 2010).

- Murari Krishna, Jain Udit, Agarwal Ayush and Rajvanshi Vikram, "An Experimental Study on Strength Development of Concrete Using Black Cotton Soil, "International Journal of Applied Engineering Research, Volume 5 Number 9, pp. 1609–1619, 2010.
- Amit Srivastava and G. L. Sivakumar Babu, "Remediation of upstream slope of an impounding reservoir using soil reinforcing technique. International Conference on Civil Engineering and Building Materials (2011 CEBM), July 29-31, 2011 Kunming, China (paper accepted).
- Amit Srivastava, "Bearing capacity of clay-influence of spatial variation of soil properties and reliability based approach. Edited by Frank Columbus titled: "Clay: Types, Properties and Uses", Nova Science Publishers, Inc. (accepted for publication), 2010.
- Tyagi, R. and Tyagi, P., "Synthesis and Properties of Di- n hexadecyl - $\alpha$ ,  $\omega$  – Alkyl Bisphosphosphate Surfactants", Tenside Surfactant and Detergents, 47 (4), 232-237, 2010.

#### **PAPERS PUBLISHED IN THE PROCEEDINGS**

- D.S.Hooda and D.K.Sharma attended 19th International Conference of FIM held from Dec. 18 to 20, 2010 at Patna University, Patna, 2010.
- D.S.Hooda Statistics Education in India : A Review - Proceedings of ICOTS 8 held at Ljubljana, Slovenia, 2010.
- Sandeep Saini, Anurag Mahajan, M.B. Srinivas, " Implementation of Low Power FFT Structure using a Method Based on Conditionally Coded Blocks", 2010 IEEE Asia Pacific Conference on Circuits and Systems, Malaysia, Dec 2010.
- Anurag Mahajan and B.K.Mohanty, Efficient VLSI architecture for implementation of 1-D discrete wavelet transform based on distributed arithmetic, IEEE Asia Pacific Conference on Circuit and Systems, APCCAS-2010, Malaysia, Dec 5-9, 2010.
- Ravi Kumar, Rajiv Saxena, "Implementation of blind sequence detection for time varying channel in the Analysis of MIMO Capacity for spatial Channel model with partial CSI knowledge", IEEE sponsored ACEEE First International Conference on Informatics Cybernetics, and Computer Applications, calicut, Kerala, 19-21 July, 2010.
- Rajesh K. Vishwakarma "Rectangular notch antenna for dual-band operation" Third Annual Conference (ATMS-2010) Antenna Test & Measurement Society, 11th-13th February, New Delhi pp. no. 79-81, 2010.
- Rajesh K. Vishwakarma and Sanjay Tiwari "Dual-band stacked rectangular micro strip antenna for mobile application," (ATMS-2010) Antenna Test & Measurement Society, 11th -13th February, 2010 New Delhi pp. no. 137-139, 2010.
- Hem Dutt Joshi, Rajesh K. Vishwakarma. Ashutosh Singh, "Design and analysis of rectangular patch with U-slot," National Conference on Recent Trends & Challenges in internet Technology (RTCIT-2010) Organized by Department of CSE & IT NIT Bhopal (MP) 19-20 March 2010.
- Rajesh K. Vishwakarma and Sanjay Tiwari, "Notch microstrip antenna for dual- band operation," National Conference on Recent Trends & Challenges in internet Technology (RTCIT-2010) Organized by Department of CSE & IT NIT Bhopal (MP) 19-20 March 2010 pp. no.144-146, 2010.
- Rajesh K. Vishwakarma and Sanjay Tiwari, "Dual-frequency aperture coupled microstrip antenna" National Seminar on Ferroelectrics & Dielectrics, [NSFD-XVI] 2010 Organized by GGDU in Bilaspur, on 2-4 Dec. 2010.
- Ravi Kumar, Rajiv Saxena, Abhay Sah, Tapesh Chandgothia, Saroj Gupta, "Performance of Dynamic MIMO Systems in Presence of Nakagami Fading Channel", 2nd IEEE International Conference on Computational Intelligence, Communication Systems and Networks, (CICSyN-2010), Liverpool, United Kingdom, 28-30 July, 2010. pp. 369-372, 2010.
- Rahul Pachauri, Sanjeev N. Sharma, Rajiv Saxena "Design of FIR Filters with Better Performance Using Z-Window", IEEE 2011 International Conference on Communications, Computing and Control Applications (CCCA'11), Accepted, Hammamet (Tunisia),3-5, March,2011.
- Hemdutt Joshi, Rajiv Saxena "PAPR Reduction in OFDM Systems Using Precoding With Clipping", IEEE 2011 International Conference on Communications, Computing and Control Applications (CCCA'11), Accepted, Hammamet (Tunisia), 3-5 March, 2011.
- Singh Satish K., Kumar Shishir, "Performance Analysis of Color Space Transform on Digital Color Image Compression", in Proc. of Int. Conf. on Computational Vision and Robotics (ICCVR-2010), pp. 247-258, Aug 21-22, 2010.
- Shishir Kumar, Satish K. Singh, "Study and Implementation of Entropy Encoding System for Image Compression", in Proceedings of International Conference on Emerging Trends and Technologies during November 17-19, 2010.
- Amit Kumar, Shishir Kumar "A Framework for Stability and Security of an Operating System through Process level" published in proceedings of 4th IEEE International Conference on Advanced Computing & Communication Technologies (ICACCT2010) page 527-531, Oct 30, 2010.
- Pawan Jindal, Amit Kumar, Shishir Kumar "Towards the Solution of NP Complete Problems". Fifth PIMR National IT Conference on "IT Initiatives for Building Creative Organizations" scheduled from September 09-10, 2010.

- Kamlesh Gupta and Sanjay Silakari "Performance Analysis for image Encryption using ECC", IEEE International Conference on Computational Intelligence and Computer Networks, November 26-28, 2010.
- Vishnu Sharma, Ratnesh Litoriya, Dr. Savita Singh Bhaduriya, "Empirical Analysis of Ethical Issues in the Era of Future Information Technology" The 2010 2nd International Conference on Software Technology and Engineering (ICSTE 2010) organized by IACSIT in collaboration with IEEE, Manuscripts included in IEEE Explore held at San Juan, Puerto, Rico, USA October 3-5, Print ISBN: 978-1-4244-8667-0, 2010.
- Deepak Sharma, Ravi Kumar, "Design and analysis of five element micro strip log periodic antenna" published at International conference on Applications of Electromagnetism and student Innovation Competition Awards, Oriental Institute of Technology, Taipei, Taiwan, 11-13 August, 2010.
- Singh, A.K. Saxena, R., "Development of Convolution Theorem in FRFT Domain," IEEE Conference, SPCOM-2010, PP. 1-3, July, 2010.
- Amit Srivastava , "Risk assessment and stability analysis of earth dams for forensic investigations. International symposium on Forensic Geotechnical Engineering, ICFGE 2011, IIT Bombay.
- Subramanyam, R. and Kumar, A., " Impacts of bio-diesel fuels on exhaust emissions", National Conference on Recent Advances in Materials Science & Engineering (RAMSE 2010), organized by Jaypee University of Engg. & Tech, Guna (MP), INDIA, from 23-24, October, 2010.
- Subramanyam, R. and Mumme, J. Production of energy from agri-wastes by novel upflow anaerobic solid-state (UASS) reactor. National Conference on Recent Advances in Materials Science & Engineering: A Multidisciplinary Approach (RAMSE 2010), organized by JUET, Guna (MP), INDIA, from 23-24, October, 2010.
- Amit Mishra, Zaheeruddin, "Hybrid Fuzzy Neural Network based still Image Compression" IEEE International Conference on Computational Intelligence Communication Networks CICN-2010, Bhopal, Madhya Pradesh, Nov 26-28, 2010.
- Norkey G. and Dubey A.K., "Experimental Investigation of Laser Cutting of Highly Reflective and Thermally Conductive Material" National Conference on Recent Advances in Manufacturing (RAM – 2010) held at SVNIT Surat during 19 – 21 July 2010.
- Sharma Ravi Kumar, Tewari P. C., "Concurrent Engineering: A New Approach for Sustainable Technical Education" The 3rd Regional Conference on Engineering Education and Research in Higher Education (RCEE 2010)" at Kuching, Sarawak, Malaysia during June 7-9, 2010.
- Yashwant Modi, Durgesh Joshi, "Life Cycle Environmental Impact Comparison of Some Binder Systems in Core/Mould Making Process using LCA Approach", national conference on Recent Advances in Materials Science & Engineering, October 23-24, JUET, Guna, 2010.
- Sanat Agrawal, "Direct conversion of a GIS surface data to a 3D STL part" 11th RAPDASA-2010, an international conference at Vanderbijlpark hosted by the Vaal University of Technology, South Africa. (November 5-6, 2010), 2010.
- Arya, R.K. and Sasank, B. V., "Finite Element Formulation of Transport Equations in Multicomponent Polymeric Coatings and Optimization of Free Volume Theory Parameters", International Conference on System Dynamics and Control –ICSDC, August 19 -22, MIT Manipal, Karnataka, India, 2010.
- Arya, R.K. and Vinjamur, M., "Non-Fickian Transport in Binary Polymer Coatings", 15th International Coating Science and Technology Symposium, September 12-15, St. Paul, MN, USA, 2010.
- Dixit , S., Kumar, A., and Tyagi, R., "Brownfields: A Threat to Sustainable Development", National conference on Recent Advances in Materials Science & Engineering, RAMSE 2010, October 23-24, JUET Guna, India, 2010.
- Goel, A., Niranjan, P., Tyagi, P., and Tyagi, R., "A Study for Cost Effective Detergents on the Basis of Anionic Active Matter and Critical Micelle Concentration", National conference on Recent Advances in Materials Science & Engineering, RAMSE 2010, October 23-24, JUET Guna, India, 2010.
- Holkar, A. S., Ali, S. A., and Pandey, S. R., "Fundamental Approach to Manufacture of LLDPE", National conference on Recent Advances in Materials Science & Engineering, RAMSE 2010, October 23-24, JUET Guna, India, 2010.
- Kapoor, L. and Chaurasia, A., "Experiment Based Investigation of Pyrolysis of Biomass", National conference on Recent Advances in Materials Science & Engineering, RAMSE 2010, October 23-24, JUET Guna, India, 2010.
- Pandey, S. R., "Studies on Settling Velocity, Flocculant Dose, and Filtration of Mineral Slime by Graft Copolymers and Industrial Application of Graft Co –Polymers", National conference on Recent Advances in Materials Science & Engineering, RAMSE 2010, October 23-24, JUET Guna, India, 2010.
- Tyagi, P. and Tyagi, R., "A Study on Effect of Flexible Spacers on Hexadecanol based Gemini Surfactants", National Conference on Recent Innovations in Oil and Food Technology – RIOFT 2010, August 23, North Maharashtra University, Jalgaon, Maharashtra, India, 2010.
- Tyagi, P. and Tyagi, R., "Effect of Spacers on Yield, Surface Activities and Performance Properties of Anionic Gemini Surfactants", National conference on Recent Advances in Materials Science & Engineering, RAMSE 2010, October 23-24, JUET Guna, India, 2010.
- Abhishek Shukla, "Pattern of Organizational Behavior in Recovery Phase", in International HR Conference, Organized by IES, Mumbai, July, 2010.

## 8 Books authored by faculty members



### BOOKS PUBLISHED

- Rakesh Bajaj, D.S.Hooda and Harinder singh "Fuzzy Sets and Information: A Generalized Approach", Lambert Academic Publishing, Saarbrücken, Germany, ISBN: 978-3-8383-5148-3.
- D.K.Sharma and D.S.Hooda "Some Generalized Information Measures: Their Characterization and Application, Lambert Academic Publishing, Saarbrücken, Germany. ISBN: 978-3-8383-8604-1.
- Rashmi Tyagi, "Alkanolamine Based Esterquats: Synthesis, Characterization and Properties of their Fabric Softening Formulations", LAP LAMBERT Academic Publishing, 2010, ISBN-13: 978-3843368629.
- Raj Kumar Arya, "Diffusion in Multicomponent Polymeric Coatings", Lap Lambert Academic Publishing, 2010, ISBN-13: 978-3838381565.
- Ashish Chaurasia, "Key Challenges in Biomass Gasification Processes: Model and Experiment based Investigation of Potential of Biomass Gasification Processes", Nilay Shah, and Claire Adjiman, Lap Lambert Academic Publishing, 2010, ISBN-13: 978-3838373706.
- Neeraj Kumar Rathore and Dr. Inderveer Chana, "Checkpointing Algorithm in Alchemi.NET", Lambert Academic Publication House (LBA), Germany, December 2010.
- Sarang Pande "Computer Aided Process Planning for Rapid Prototyping", July 2010, ISBN: 978-3-8383-8679-9, Lambert Academic Publishing, Saarbrücken, Germany.
- Sanat Agrawal "Mechanical Error In Rapid Prototyping Processes: Analysis And Synthesis Of Error Using Stochastic Approach". Lambert Academic Publishing, Saarbrücken, Germany.

### CONFERENCES / SEMINARS / WORKSHOPS ATTENDED

- Deepak Sharma, Anurag Mahajan, Subodh Singh, Vivek Pandit, Manish Patidar and Shefali Sharma attended one week short term training program on "Digital Signal and Image Processing (DSIP-2010)" at JUET, Guna during July 5, 2010 – July 10 2010.
- Ajay Kumar attended one week (Jul 12-16, 2010) workshop on Data Mining, organized by Indo US Collaboration for Engineering Education (IUCEE) at Chadalawada Ramayana, Tirupati.
- P.S. Banerjee and Mr. Ajay Kumar attended workshop on Advanced Data Mining, Fusion and its Biomedical Application, organized by JUIT, Waknaghat during Aug 31, 2010 to Sep 1, 2010.
- Ajay Kumar attended "UniSim Design Simulation Software Course (USD)" organized by Honeywell, Pune, during Dec 15-17, 2010.
- Harikesh Singh and Abhishek Srivastava, attended one week workshop (June 28,2010 to July 2,2010), organized by Indo US Collaboration for Engg Education (IUCEE) on Distributed Operating Systems at IIIT, Noida.
- Amit Kumar attended International Conference on Contemporary Computing (IC3-2010) organized by Jaypee Institute of Information Technology, Noida (Aug 09-11, 2010).
- Punit Pandey attended workshop on "Wireless Sensor Networks" at IIIT, Noida -2010.
- Mahesh Kumar attended one week workshop (July 12-16, 2010) on Computer Networks organized by Indo US Collaboration for Engineering Education (IUCEE) at KIIT, Bhubaneswar.
- Sandeep Srivastava attended India Today Youth Summit 2010 at Hilton Hotel , NewDelhi , 25 Sept 2010.
- Amit Kumar attended 4th IEEE International Conference on Advanced Computing & Communication Technologies (ICACCT2010) organized by APIIT Panipat on Oct 30, 2010.
- Ravi Sharma attended Design Workshop (DeW 2010) on leading - edge theories and practices in design at PDPM-IIITDM, Jabalpur (M.P.) from 11-10-10 to 15-10-10.
- Swati Agrawal attended Design Workshop (DeW 2010) on leading - edge theories and practices in design at PDPM-IIITDM, Jabalpur (M.P.) from 11-10-10 to 15-10-10.
- Gavendra Norkey, Ravi Kumar Sharma and Prakash Kumar Saini of Mechanical department have been deputed by the university to HONEYWELL Co. Pune for OTS training on Dec.13, 2010.
- Kamlesh Gupta attended IEEE International Conference on Computational Intelligence and Computer Networks at RGPV Bhopal, India, during Nov.26-28-10.
- Pawan Jindal attended Fifth PIMR National IT Conference on "IT Initiatives for Building Creative Organizations" organized by Pioneer Institute, Indore during from September 09-10, 2010.
- Shishir Kumar attended International Conference on Emerging Trends and Technologies during November 17-19, 2010, organized by BITS Pilani (Goa Campus).
- R. Subramanyam attended staff development program on "Advanced separation processes" organized by Chemical Engineering Department, JUET, Guna (MP), INDIA, from 13-18, December, 2010.
- U.S. Rawat attended one week (Jul 12-16, 2010) workshop on Cryptography and Network Security, organized by Indo US Collaboration for Engineering Education (IUCEE) at Vignan University, Guntur.
- G.V. Sinha attended FDP Birla Institute of Technology Noida Campus.
- G.V. Sinha attended International conference on economic asymmetries & globalization organized by IIM Lucknow (Noida campus).
- Rajeev Srivastava attended 2nd quantitative finance workshop at ITM, Institute of financial market, Navi-Mumbai, 19-22 December, 2010 held in association with IIT Kanpur and IGIDR, Mumbai, 2010.
- Sandeep Srivastava attended faculty development programme on "Case Method of Teaching in B-Schools" conducted by ABV- Indian Institute of Information Technology & Management, Gwalior, Dec 26- 27, 2010.

## 24 faculty members attended/ participated in conferences, seminars and workshops during July to December, 2010



7 workshops were organized from July to December, 2010



A CIM system was procured for the practical training to the students



4 faculty members were awarded Ph.Ds

213 out of 292 students of 2006 - 10 batch got placements in 14 companies



- Abhishek Shukla attended faculty development programme on "Case Method of Teaching in B-Schools" conducted by ABV- Indian Institute of Information Technology & Management, Gwalior, Dec 26- 27, 2010.
- Sandeep Arya attended faculty development programme on "Case Method of Teaching in B-Schools" conducted by ABV-Indian Institute of Info. Technology & Management, Gwalior, Dec 26- 27, 2010.

#### CONFERENCES / SEMINARS / WORKSHOPS ORGANIZED

- One week short term training program on "Digital Signal and Image Processing (DSIP-2010)" between July 5, 2010 – July 10 2010.
- Four weeks short-term course on "Instrumentation and Process Control in Cement Industry" for Electronics Graduate Engineers of Jaypee Cement between May 31 – June 26, 2010.
- One week workshop (5th July to 9 th July 2010) on Computer System Performance Analysis in coordination with IUCEE (Indo US Collaboration for Engineering Education). The workshop was conducted by Prof. Raj Jain of Washington University St Louis (USA).
- Three days workshop (17th Dec to 19th Dec 2010) on Java Androids & Web Technology in collaboration with Computer Society of India.
- The Workshop on "Testing of Concrete" was conducted by Civil Engineering Department on August 22, 2010 to the field engineers.
- Three days workshop on "Introduction to Computational Fluid Dynamics", conducted by Dr. Hari Mahalingam and Dr. Ashish Chaurasia , July 1 – 3, Jaypee Cement Plant Rewa, M.P., India.
- Six days Staff Development Program on "Advances in Separation Processes", December 13 – 18, 2010.

#### ESTABLISHMENT OF NEW LABORATORIES

- Data mining & Warehousing Lab has been established in Department of Computer Science Engineering.
- Computer Integrated Manufacturing System  
Department of Mechanical Engineering has procured a CIM system from MTAB, Chennai for providing practical training to the students on advanced manu - facturing technology that will give an edge on technical knowledge in this competitive era.
- I/C Engine Lab
- Refrigeration & Air Conditioning Lab
- Theory of Machines Lab
- Dynamics of Machine Lab

#### PROJECTS

- Department of Computer Science Engineering has received a project Grant of Rs. 6,52,000/- from MP Council of Science & Technology for research project titled as "Independent Author Identification of a Handwritten Document". Duration of this project is three years.
- Department of Computer Science Engineering has received a project Grant of Rs. 3,45,000/- from DRDO for research project titled "Security Enhancement of File Systems". Project duration: One year.
- MOU has been signed between JUET & Computer Society of India for establishment of Digital Forensic Lab for research and development activities in Department of Computer Science & Engineering.
- Development of Novel Carboxylate Anionic Gemini Surfactants and Evaluation of Aqueous Properties of Their Binary Mixtures with Conventional Surfactants, funded by Department of Science & Technology SERC Fast Track Proposals for Young Scientist costing Rs. 14.15 lacs duration - Three years by Dr. Rashmi Tyagi.

#### SHORT TERM COURSES

- Cement Production and Quality Control, August 2 – 12, 2010
- Cement Technology, August 23 – 28, 2010.
- Orientation & Training Programme for KAOs, November 15 – 20, 2010.
- Cement and Concrete Technology, November 8, 2010 – January 1, 2011.

#### Ph.Ds AWARDED

Ph.D. degrees have been awarded to following faculty members during the period under report.

- Satish Kumar Singh (Image Compression), from JUET, Guna,
- Amit Mishra (Softcomputing), from Jamia Millia Islamia, New Delhi,
- Rajeev Srivastava (Small Scale Industries), from Lucknow University, Lucknow,
- Sandeep Srivastava (New Product Development), IIITM, Gwalior.

#### TRAINING AND PLACEMENT ACTIVITIES

- Summer training provided for 386 students in 120 companies
- 213 out of 292 students of batch 2010 were placed in 14 companies.
- 319 out of 386 students of batch 2011 are already placed in 4 companies.
- Indian Army first time visited JUET campus and selected 100 students for the SSB interviews under UES-20.
- Infosys Technologies, ERA Construction and Simplex visited the campus for the first time.

**Arjun Mullik student of B.Tech. (CSE) IV Year participated in World Engineering Education Forum and 7th Global Student forum organized by SPEED (Student Platform for Engineering Education) during October 15-21, 2010**

### **STUDENT ACTIVITIES**

- Arjun Mullik student of B.Tech. (CSE) IV Year has participated in World Engineering Education Forum and 7th Global Student forum organized by SPEED (Student Platform for Engineering Education) during October 15-21, 2010. His participation was sponsored by IUCEE and JUET.
- 2nd Technical quiz contest (Technocryptic-2010) for all the students of JUET Guna during July to November 2010.
- Student Branch @ Department of CSE has organized a Quiz Contest on 21st September 2010 for members of student branch of CSI.
- Student Branch @ Department of CSE has organized a Multimedia Contest on 25th September 2010 for members of student branch of CSI.
- Student Branch @ Department of CSE has organized a Software Competition – 2010 during 22nd to 25th October 2010.

### **EDUCATIONAL TOURS**

- M. Tech students visited Cummins India Ltd. and Gajra Bevel Gears Ltd., Dewas (M.P.)
- B. Tech and M. Tech. students visited BHEL, Bhopal (M.P.) and Jaypee Power Plant under construction at Bina (MP).

### **JUET YOUTH CLUB {JYC} EVENTS**

#### **1. LITERARY CLUB**

- FANTASIA-The Fantasy Quiz based on the fantasy novels and stories.
- SLOGAN ECRIT - The slogan writing competition that enhanced the creativity of the students.
- MIC check-Anchoring auditions for Fresher's Night.
- English Debate Competition and Hindi Debate Competition.
- QUEST FOR THE BEST-The General Knowledge Quiz.

#### **2. ART & MOVIE CLUB**

- Dumb Charades
- Theme sketching
- Antakshari – The Musical Extravaganza
- Tagged

#### **3. SPORTS CLUB**

Inter-year tournaments, consisting two teams from each year, for the following games were organized during the last semester

- Foot ball (Boys)
- Basketball (Boys & Girls)
- Volleyball (Boys & Girls)
- Handball (Boys)

The student's teams also participated and made their presence felt at IIT Kanpur sports fest "Udgosh 2010".

#### **4. CULTURAL CLUB**

- El Partido Grande De'Freshers was having dance to make us groove, music that can make us move, Ramp walk "The REVEL" with various titles and beats of drum that were full of energy and passion.

### **PROMOTIONS**

- Dr. Anuj Kumar HOD Physics promoted to Associate Professor.
- Dr. Raj Kumar Arya to Assistant Professor.
- Mr. Harikesh Singh (CSE), Babita Tiwari (CSE), Mahesh Kumar (CSE), Prateek Pandey (CSE), Sunil Kumar Srivastava (CHE), Rahul Shrivastava (CHE), Kanchan Mala (CE), Ravindra Kumar Goliya (CE), Rajneesh Atre (Phy), Gaurav Saxena (ECE), Vikram Singh Chauhan (PD) & Sandeep Srivastava (PD) promoted to Senior Lecturer.
- Ms Divya Jain Associate Lecturer has been granted Lecturer Scale.
- Mr. Vipin Chandra Pandey promoted to Chief Finance Officer.
- Dr. Sudeep Sharma promoted to Asst. Librarian.
- Mr. C.D. Babu promoted to Private Secretary.
- Mr. Ajay Ranjan/Sainsar Pal/Ajay Naresh Prajapati/Shishir Thakur promoted to Sr. Lab Technician.
- Mr. Hansmukh Kumhar/Manoj Tiwari promoted to Lab Technician.
- Mr. Atul Singh/Rohit Singh promoted to Jr. Admn Coordinators/Mr. DRS Chauhan promoted to Asst. Nursing Officer.

**14 faculty members and 11 staff members got promotions from July to December, 2010**



**19 new faculty members joined JUET during the report period****APPOINTMENTS**

- Dr. Amit Srivastava, Assistant Professor, Civil Engineering, PhD (IISc, Bangalore).
- Dr. Jawar Singh, Assistant Professor, Electronics & Communications Engg, PhD (Univ. of Bristol, UK).
- Dr. Barun Kumar Nandi, Assistant Professor, Chemical Engineering, PhD (IIT, Guwahati).
- Dr. Kazi Sabiruddin, Assistant Professor, Mechanical Engineering, PhD (IIT, Kharagpur).
- Kamlesh Gupta, Senior Lecturer, Computer Science Engineering, M.Tech
- Ravindra Kumar Singh, Senior Lecturer, Computer Science Engineering, M.Tech
- Ashok Singh, Senior Lecturer, M.Tech (IIT, Kanpur)
- Patel Nileshkumar Rajnikant, Lecturer, Computer Science Engineering, M.Tech (NIT, Bhopal)
- Swati Agarwal, Lecturer, Mechanical Engineering, M.Tech (IIT, Kharagpur)
- Samir Kumar, Lecturer, Mechanical Engineering, M.Tech (IIT, Kharagpur)
- Dharmendra Dixit, Lecturer, M.Tech (IIT, Guwahati)
- Rahul Chaudhari, Lecturer, Chemical Engineering, M.Tech (UICT, Mumbai)
- Sushant Anand, Lecturer, Chemical Engineering, M.Tech
- Sakhare Santosh Manoharrao, Lecturer, Chemical Engineering, (M.Tech)
- Dr. Bali Ram Gupta, Lecturer, PhD (University of Allahabad)
- Dr. Ketki Kulkarni, Lecturer, Mathematics, PhD (Vikram University, Ujjain)
- Dr. Salil Modak, Lecturer, Physics, PhD (Ecole Normale Supérieure de Cachan, Paris, France)
- Mr. Shekhar Singh, Lecturer, Professional Development Education
- Mr. Neeraj Jain, Lecturer, Professional Development Education

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**JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY**

A. B. ROAD, P. B. No. 1, RAGHOGARH, DIST : GUNA (M.P.) INDIA.

Phone : 07544 - 267051, 267310 - 14 Fax : 07544 - 267011

Website : [www.juet.ac.in](http://www.juet.ac.in)

Contact : [contact@jet.ac.in](mailto:contact@jet.ac.in), [info@jet.ac.in](mailto:info@jet.ac.in)