

JUET chronicle



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EDITORIAL BOARD

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



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Administrative Highlights

- Meeting of Academic Council was held on May 04, 2013 at JUET, Guna. Highlights of important decisions taken are as follows:
 - a) Approval of the revised examination schedule and revised statute/ordinance on the conduct of examinations.
 - b) Approval of proposal to split the compulsory six weeks industrial training after VIth semester into two parts of 2 weeks and 4 weeks after IVth and VIth semester respectively.
 - c) Approval of proposal to start M.Tech course in Geotechnical Engineering in the Department of Civil Engineering from the academic year 2013-14.
 - d) Approval to introduce new course in M.Tech (Bio-Technology).
- Meeting of Board of Management was held on May 04, 2013 at JUET, Guna. Highlights of important decisions taken are as follows:
 - a) Approval of revision of Hostel fee for academic session 2013-14.
 - b) Approval of Budget for the financial year 2013-14.

Admitted Strength of Students in all Courses

For academic session 2013-14

B. Tech	M. Tech	Diploma	B.Sc. (Maths)	Ph. D	Total
1976	63	209	05	62	2315

Visit of Dignitary

- Shri Sunny Gaur ji, Hon'ble MD, Jaypee Group, visited the campus on March 01, 2013.

Achievements (Department-wise)

CHEMICAL ENGINEERING

Publications in Journals

- B. K. Nandi and S. Patel, "Removal of pararosaniline hydrochloride dye (Basic Red 9) from aqueous solution by electrocoagulation: Experimental, Kinetics, and Modeling", Journal of Dispersion Science and Technology, DOI:10.1080/01932691.2013.767203, 2013.
- Naveen Kumar and Rashmi Tyagi, "Industrial Applications of Dimeric Surfactants: A Review", Journal of Dispersion Science & Technology, DOI:10.1080/01932691.2013.780243, 2013.
- S. Ramesh, A.S. Chaurasia, H. Mahalingam and N.J. Rao, Kinetics of devolatilization of black liquor droplets in chemical recovery boilers: Pyrolysis of dry black liquor solids, International Journal of Chemical Engineering and Applications, 4(1), pp 1-5, 2013.



Department wise research outcomes

- S. Singh, H. Mahalingam and P.K. Singh, Polymer-supported titanium dioxide photocatalysts for environmental remediation: A review, *Journal of Applied Catalysis A: General*, 462-463, pp 178–195, 2013.
- D. Prakash, M. Kumar, S. Kumar and N. J. Rao, Reduction of effluent load in the jute cady pulp by substituting ClO_2 in place of Cl_2 , *International Journal of Research in Environmental Science and Technology*, 3(1), pp 46–50, 2013.
- D. Prakash, S. Kumar and N. J. Rao, Pollution load reduction by partial and full replacement of chlorine by chlorine dioxide in paper making, *International Journal of Chromatographic Science*, 3 (1), pp 1–4, 2013.
- Sudip K. De and M. Bhattacharjee, Titanium(IV) Nonmetallocene Complex Catalyzed Aqueous Homopolymerization and Copolymerization of Styrene and Methyl Methacrylate: An Environmentally Friendly Approach to Ultrahigh Molecular Weight Polymer Nanoparticles, *Journal of Polymer Science Part A: Polymer Chemistry*, 51, pp 1540-1549, 2013.

Publications in Conference Proceedings

- S. Gautam and A. Gautam, Kinetic extraction of nickel from primary reforming spent catalyst by aminopolycarboxylic acids, presented at the National conference on Environmental Sustainability and Society: The growing paradigm shift (ESS- 2013), JUET Guna, pp 30, March 30-31, 2013.
- Noopur Anand and K. N. Gupta, Gas phase adsorption of toluene on powdered activated carbon, National Conference on Environmental Sustainability and Society: The Growing Paradigm Shift (ESS - 2013), JUET Guna, pp 36 , March 30-31, 2013.
- K. N. Gupta and N. J. Rao, Modeling and Simulation of fixed bed adsorption column, International Conference on Advances in Chemical Engineering (ICACE - 2013), NIT Raipur, pp 25, April 5-6, 2013.
- S. K. Samanta, K. Sushmita, , S. Verma, and Z. Abbas, , “Influence of Teflon, Ceramic and Composite Supports on Efficient Microwave Heating of Oil-Water Emulsions”, National Conference on Environmental Sustainability and Society: The Growing Paradigm Shift (ESS-2013), JUET, Guna, pp 22 , March 30-31, 2013.
- R. Kumar, H. Mahalingam and K. K. Tiwari, Effect of process parameters on droplet size in supercritical antisolvent process, International Conference on Advances in Chemical Engineering (ICACE - 2013), NIT Raipur, pp 51, April 5 - 6, 2013.
- N. J. Rao, From one of the most polluting to one of the most sustainable – A case study of Pulp and Paper industry, Invited lecture presented at the national conference on Environmental sustainability and Society: the growing paradigm shift (ESS- 2013), JUET Guna, pp 9-10, March 30–31, 2013.
- S. K. De, An Environment Friendly Approach to Ultra-High Molecular Weight Polymer Nanoparticles by a Non-metallocene Catalyst presented at the National Conference on Environmental Sustainability and Society: the growing paradigm shift (ESS- 2013), JUET Guna, pp 25, March 30–31, 2013.

Conference / Seminar / Workshop Participated

- N. N. Dutta has attended workshop on "Membrane Technology for Air Pollution Control", FICCI, New Delhi, June 9-10, 2013.
- N. J. Rao, has attended workshop entitled “Technological aspects for improved performance in pulp and paper sector”, on Environment friendly techniques–Pulp and Paper sector–Issues, challenges, opportunities and way forward, organized by CII and GIZ GmBH, , Vapi, Gujarat, April 26, 2013.

COMPUTER SCIENCE & ENGINEERING

Publications in Journals

- Mahesh Kumar and Shishir Kumar, “AGRIB-BHF A sustainable and fault tolerant aggregation”, *Elsevier's Journal of Network and Computer Application*, Vol. 36, issue 2, pp 881-886, 2013.
- Mahesh Kumar and Shishir Kumar, “An approach to stabilize interdomain routing protocol after failure”, *Elsevier's Journal of Computers and Electrical Engineering*, Vol. 39, issue 2, pp 237-245, 2013.
- Mahesh Kumar and Shishir Kumar, “Analyzing and Improving Network Availability in Interdomain Routing”, *Springer's Journal of Wireless Personal Communications*, Vol. 69, no. 4, pp 1-12, 2013.
- Punit Pandey, Shishir Kumar and Satish K Singh, “Rightful ownership through image adaptive DWT-SVD watermarking algorithm and perceptual tweaking”, *Multimedia Tools and Applications*, <http://link.springer.com/article/10.1007/s11042-013-1375-2>, 2013.
- Prateek Pandey, S. Kumar and S. Srivastava, “A Critical Evaluation of Computational Methods of Forecasting Based on Fuzzy Time Series”, *International Journal of Decision Support System Technology*, Vol.5, issue 1, pp 25-40, 2013.
- Prateek Pandey, S. Kumar and S. Srivastava, “Forecasting using Fuzzy Time Series for Diffusion of Innovation: Case of Tata Nano Car in India”, *National Academy Science Letters*, <http://link.springer.com/article/10.1007/s40009-013-0140-4>, 2013.
- Mahesh Kumar, Shishir Kumar, “Improving routing in large networks inside autonomous system”, *Springer Journal of System Assurance Engineering & Management*, <http://link.springer.com/article/10.1007/s13198-013-0179-0>, 2013.
- Punit Pandey, Shishir Kumar and Satish K Singh, “A robust logo watermarking technique in divisive normalization transform domain”, *Multimedia Tools and Applications*, <http://link.springer.com/article/10.1007/s11042-013-1577-7>, 2013.



Three faculty member of Computer Science & Engineering Department were awarded with PhD Degree

- Babita Tiwari, Tanuj Tyagi, Akhil Saxena and Sunil Nishad, "Lexical and Parser tool for CBOOP program", IOSR Journal of Computer Engineering (IOSR-JCE), Vol. 10, issue 6, pp30-34, 2013.

Publications in Conference Proceedings

- Punit Pandey and Sonika Bansal, "On the security of robust reference logo watermarking scheme in fractional Fourier transform domain," In proceeding of International Conference on Information system and computer networks(IEEE-31052), Mathura, pp 200-205, March 9 -10, 2013.
- Ravindra Kumar Singh, Narendra S. Chaudhari, "Integrated Load Balancing Approach for Fault Tolerance in MPLS Networks", In Proceedings of the 2013 International Conference on Communication Systems and Network Technologies, Gwalior, pp 295-298, April 6-8, 2013.
- Dinesh Kumar Verma, "Minimization of Defect Density with respect to module size", In proceeding of 28th M. P. Young Scientist Congress, Bhopal, pp 40, February 28–March 01, 2013.
- Harikesh Singh, "Analysis & Design of Efficient Grid FTP Architecture for Web Servers", In proceeding of 28th M. P. Young Scientist Congress, Bhopal, pp 45, February 28–March 01, 2013.

Conference / Seminar / Workshop Participated

- Harikesh Singh and Dinesh Kumar Verma have attended the National Conference of 28th M. P. Young Scientist Congress in Bhopal, during February 28–March 01, 2013.

PhDs Awarded

- Ph.D. degree has been awarded to Mahesh Kumar from JUET, Guna, who has submitted his thesis entitled as "Improved and Unswerving Routing to Corroborate Internet Growth" under supervision of Prof. Shishir Kumar in July 2013.
- Vishnu Sharma has been awarded Ph.D. degree from Rajiv Gandhi Technical University, Bhopal (MP) India. His thesis was entitled as "Design and Development of an Agent Based Congestion Control Approach for Mobile Ad-hoc Network" in May 2013.
- Kamlesh Kumar Gupta has been awarded Ph.D. degree from Rajiv Gandhi Technical University, Bhopal (MP) India. His thesis was entitled as "Design and Analysis of efficient Algorithm for Fast Cost Effective and Secured Image Transmission" in March 2013.

Other Achievements

- Department of CSE has developed the new portal for LRC, and its access has been made available on Intranet.
- A real time in house software for Billing and Inventory Management of JUET Cafeteria has been developed by Prashant Agrawal and Harshit Sharma; students of B. Tech (CSE) III year. This software has been developed under supervision and guidance of Prof. Shishir Kumar and Mr. V.C. Pandey.
- Department of CSE has developed and implemented software for conduction of online tests. Mock tests for placement of students in companies like Amazon and Accenture have been conducted successfully.

CIVIL ENGINEERING

Publications in Journals

- R. Subramanyam, "Physicochemical and morphological characteristics of granular sludge in upflow anaerobic sludge blanket (UASB) reactors". Environmental Engineering Science, Mary Ann Liebert, Inc. publishers (USA), 30(5), pp 201-212., 2013.
- Kanchan Mala, A. K. Mullick, K. K. Jain and P. K. Singh, "Accelerated curing strength of concrete containing binary and ternary blends of OPC, silica fume and fly ash", Indian Concrete Journal, Vol. 87 (4), pp 39-49, 2013.

Conference / Seminar / Workshop Participated

- R. Goliya has attended "Windy-2013: A Workshop on Wind Tunnel Testing Techniques and Applications" organised by National Wind Tunnel Facility at IIT Kanpur during March 22-23, 2013.

Conference / Short Term Course / Workshop Organized

- Department of Civil Engineering has organized a National Conference on Environmental Sustainability and Society: The Growing Paradigm Shift (ESS-2013) at JUET, Guna during March 30-31, 2013. Dr. R. Subramanyam was organizing secretary

ELECTRONICS & COMMUNICATION ENGINEERING

Publications in Journals

- Ram Kumar Soni, Alok Jain and Rajiv Saxena, "An optimized design of non-uniform filter bank using variable-combinational window function," AEU - International Journal of Electronics and Communications, Vol. 67, no. 7, pp 595-601, 2013.



**Department of
Electronics &
Communication
Engineering
organized
two workshops**

- Rajiv Saxena and H. D. Joshi, "OFDM and Its Major Concerns: A Study with Way Out," IETE Journal of Education, Vol. 54, no. 1, pp 26–49, 2013.
- Ravi Kumar and Rajiv Saxena, "Performance comparison of MIMO-STBC systems with adaptive semi-blind channel estimation scheme," Wireless Personal Communications, Springer, DOI: 10.1007/s11277-013-1154-4, 2013.
- B. K. Mohanty and A. Mahajan, "Scheduling-scheme and parallel structure for multilevel lifting 2-D DWT without using frame-buffer," IET circuits, devices and systems, DOI : 10.1049/iet-cds.2012.0398, 2013.
- B. K. Mohanty and A. Mahajan, "Efficient-block-processing parallel architecture for multilevel lifting 2-D DWT ," ASP Journal of Low Power Electronics, Vol. 9, no. 1, pp 37-44, 2013.
- Ashutosh, Deepak Sharma, "Image encryption using discrete Fourier transform and fractional Fourier transform", International Journal of Engineering and Advanced Technology, Vol. 2, no. 4, pp 886-890, 2013.
- Ram Kumar Soni, Alok Jain and Rajiv Saxena, "A design of IFIR prototype filter for Cosine Modulated Filter-bank and Trans-multiplexer," AEU - International Journal of Electronics and Communications, Vol. 67, no. 2, pp 130-135, 2013.
- D. K. Shakya, Rajiv Saxena and S.N. Sharma, "Improved Exon prediction with transforms by de-noising period-3 measure," Digital Signal Processing, Vol. 23, no. 2, pp 499-505, 2013.
- A. K. Singh and R. Saxena, "DFRFT: A Classified Review of Recent Methods with its Application," Journal of Engineering, DOI: 10.1155/2013/214650, 2013.
- Sandeep Kr. Arya and A. K. Singh, "The BER performance of FRFT-OFDM system using convolution code," International Journal of Electronics and Computer Science Engineering (IJECS), Vol. 2, no. 2, pp 454-458, 2013.
- Gaurav Saxena, Deepak Kumar Jain, Vineet Ku. Singh, "A novel Still image Mosaic Algorithm construction Using Feature Based Method," International Journal of Electronics Signals and Systems (IJESS), Vol. 3, no.1, pp 14-17, 2013.

Publications in Conference Proceedings

- Shivkant Thakur, Rajesh Kumar Vishwakarma and K. K. Verma, "L-shaped microstrip antenna for wideband," The International Conference on Communication Systems and network Technologies (CSNT-2013), Gwalior, pp 41-43, April 6-8, 2013.
- Rajesh Kumar Vishwakarma and K. K. Verma, "Electromagnetically coupled square microstrip antenna for dual-band operation," The International Conference on Communication Systems and network Technologies (CSNT-2013), Gwalior, pp 44-46, April 6-8, 2013.
- Prakash kumar Mishra ,Ritu Raaj , Preeti Madhdyeshia, Rajesh Kumar Vishwakarma, "Design of dual band slot loaded rectangular microstrip antenna for global positioning satellite," The International Conference on Communication Systems and network Technologies (CSNT-2013), Gwalior, pp 37-40, April 6-8, 2013.
- Dhaval Dhupar, Prateek Chandra, Rahul Anand, Rajesh Kumar Vishwakarma, "Microstrip antenna with hexagonal slots for UWB applications," The International Conference on Communication Systems and network Technologies (CSNT-2013), Gwalior, pp 33-36, April 6-8, 2013.
- Saraswati Kumari, Shivesh Kr. Rai, Atul Kumar, Hem Dutt Joshi, A. K. Singh and Rajiv Saxena, "Closed form relations for ICI and BER in FRFT based OFDM system," In the proceeding of 3rd IEEE International Advance Computing Conference, (IACC-2013), Ghaziabad (UP), India. Catalog Number: CFP1339F-CDR, ISBN: 978-1-4673-4528-6, February 22–23, 2013.
- Rajesh Kumar Vishwakarma, "Square microstrip antenna for dual-band operation," National Conference on Environmental Sustainability and society: The Growing Paradigm Shift (ESS 2013) Organized by Jaypee University of Engineering and Technology, Raghuagarh Guna, pp 68, March 30–31, 2013.
- Gaurav Saxena, Akilesh R. Upadhyay, "On shot - boundary detection techniques for video segmentation approaches," National Conference on Communication, Computing and Networking Technologies (NCCCNT-13), SGGSIET, Nanded Maharashtra, India, pp 113-118, March 15–16, 2013.
- Deepak Sharma, Ashutosh, "Environmental effects of various electronics devices," National Conference on Environmental Sustainability and Society: The growing paradigm shift (ESS-2013), JUET, Guna, March 30-31, 2013.

Conference / Seminar / Workshop Participated

- Rajesh Kumar Vishwakarma attended IEEE International conference as a Chair session on Communication Systems and Network Technologies (CSNT-2013 at Gwalior) during April 6-8, 2013.
- Gaurav Saxena attended a National Conference on Communication, Computing and Networking Technologies (NCCCNT-13), at Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded Maharashtra, India, during March 15–16, 2013.

Conference / Short Term Course / Workshop Organized

- Department of ECE has organized a workshop on Cyber Security – Ethical Hacking conducted by Mr. Ankit Fadia at JUET, Guna on April 21, 2013.
- Department of ECE has organized a workshop on Eye-Botics conducted by Mr. Sudesh Morey at JUET, Guna, during April 19–20, 2013.



**Prof. D.S. Hooda
elected Sectional
President
of Indian
Science Congress
Association
for 2013 - 14**

HUMANITIES AND SOCIAL SCIENCES

Publications in Journals

- Vikram Chauhan and Sandeep Srivastava, "Competency Mapping for HR Professionals in IT Industry" in International Journal of Management, ISSN: 2277-5846, 2(3), pp 1-6, 2013.

Publications in Conference Proceedings

- Rajeev Srivastava presented a paper "Strategizing inclusive growth: The MSME route" in National seminar on Inclusive Growth organized by School of Economics, DAVV Indore, pp 16-17, February 21-22, 2013.

Project / Conference / Workshop Organized

- Rajeev Srivastava has been sanctioned a research project study, entitled "Socio-economic and environmental impact assessment of family type biogas plants in Guna district of Madhya Pradesh" by Indian Council of Social Sciences & Research, Ministry of Human Resource Development, Govt. of India, New Delhi, for one year, amounting seven lakh rupees, in March 2013.

MATHEMATICS

Publications in Journals

- I. Husain and Vikas K. Jain "A Class of Nondifferentiable Multiobjective Control Problems", Studies in Mathematical Sciences, Vol. 6, No. 2, pp 1-17, 2013.
- I. Husain and Santosh K. Shrivastav "On Second-Order Fritz John Type Duality for Variational Problems" Journal of Applied Mathematics & Bioinformatics, Vol.3, No.2, pp 65-86, 2013.
- Hradyesk Kumar Mishra, Sonali Saini "Numerical solution of singularly perturbed two-point boundary value problem via Liouville-Green Transform" American Journal of Computational Mathematics, Vol.3, pp 1-5, 2013.
- Hradyesk Kumar Mishra, "He-Laplace Method for Special Nonlinear Partial Differential Equations" Mathematical Theory and Modeling, Vol.3, pp 113-117, 2013.
- B.R. Gupta and S. Deo, "Axisymmetric creeping flow of a micropolar fluid over a sphere coated with a thin fluid film" Journal of Applied Fluid Mechanics, Vol. 6, No. 2, pp 149-155, 2013.'
- D.S. Hooda, Ketki Kulkarni and Parmil Kumar, "Information theoretic approach in parameter estimation", African Journal of Mathematics and Computer Science Research, Vol. 6(4), pp 51-57, 2013.
- D.S. Hooda and Parmil Kumar, "Information Theoretic Models for Dependence Analysis and Missing Data Estimation", American Journal of Theoretical and Applied Statistics, Vol. 2, Number 2, pp 15-20, 2013.

Publications in Conference Proceedings

- D.S.Hooda delivered an invited talk on "Source Coding and Data Compression" at National conference on Mathematical & Computational Modeling, MCM 2013 and 16th annual conference of vijnana parisad of india, held at IBS, Agra on May 24-26, 2013.
- Hradyesk Kumar Mishra attended International conference on Recent trends in Applied Sciences with Engineering Applications which was held at Truba Institute of Engineering and Information Technology, Bhopal, on April 26-28, 2013.
- Bali Ram Gupta presented a research paper in International Conference on Mathematical Modeling and Numerical simulation organized by Department of Applied Mathematics, Babasaheb Bhimrao Ambedkar University, Lucknow, India during July 1-3, 2013.

Awards / Honours

- Prof. D.S. Hooda has been elected Sectional President of Indian Science Congress Association for the year 2013-14.

MECHANICAL ENGINEERING

Publications in Journals

- Sharifuddin Mondal and Wan Kyun Chung, "Adaptive observer for a class of nonlinear systems with time-varying delays," International Journal of Adaptive Control and Signal Processing, Vol. 27, No. 7, pp 610-619, 2013
- Gavendra Norkey, Avani Kumar Dubey and Sanat Agarwal, "Optimization of Multiple Quality Characteristics in Laser Cutting of Difficult-to-laser-cut Material", Applied Mechanics and Materials, Trans Tech Publications, Switzerland, Vol. 390, pp 621-625, 2013.
- K.P. Singh, G.D. Gautam and G. Norkey, "Optimization of cutting parameter for surface roughness in dry machining of EN 9 alloy steel using taguchi method", Int. J. of Mechanical Engg. & Research, Vol. 03, No.06, pp 410-413, 2013.
- H. Chandra, S. Paliwal and A. Tripathi; "Mitigation of Emission in Thermal Power Plant Using Conventional and Non-Conventional Fuel", Int. Journal of Engineering and Science Invention (IJESI), Vol. 2/4, pp 01-06, 2013.
- H. Chandra, S. Paliwal and A. Tripathi; "Modelling and analysis on the basis of energy and environment for coal and gas fired thermal power stations", European Journal of Science and Technology, Vol. 2/3, pp 232-238, 2013.



**Our major
recruiters -
Infosys, Accenture,
HCL Tech
DELL, BOSCH
and ERA
construction**

Publications in Conference proceedings

- A Tripathi and S. K. Agrawal, "Imaging analysis and micro-PIV of single meniscus inside square capillary", International conference on Advances in Mechanical Engineering, at COEP, Pune, ID-ACAME2013 S4/01, May 29-31, 2013.
- A. Tripathi and S. K. Agrawal; "μ-PIV of unidirectional flow of single meniscus inside square capillary"; Workshop on Advances in Energy Engineering and Technology, IIT, BHU, ISBN: 978-93-82880-44-8, chapter 23, pp 200-213, June 20-30, 2013.
- M. Dubey, H. Chandra, A. Tripathi and Anil Kumar; "Thermodynamics performance analysis of Reversible Reheat Joule-Brayton cycle with Cogeneration System", Workshop on Advances in Energy Engineering and Technology, IIT, BHU, ISBN:978-93-82880-44-8, chapter 4, pp 27-33, June 29-30, 2013.
- K.P. Singh, G. D. Gautam, S. K. Tiwari and G. Norkey, " Optimization of turning parameters for hardness of EN9 steel and aluminium using taguchi method", 2nd International conference on advanced manufacturing and automation, pp 876-882, March 28-30, 2013.

Conference / Seminar / Workshop Participated

- Gavendra Norkey attended a short term course on Advanced Machining Processes, organized by Department of Mechanical Engineering, Motilal Nehru National Institute of Technology, Allahabad, during July 01-05, 2013.
- Ajay Tripathi attended a three-day workshop on Advances in Energy Engineering and Technology, held at IIT, BHU, Varanasi, during June 28 - 30, 2013.

PHYSICS

Publications in Journals

- Amrita Jain and S.K.Tripathi, "Experimental studies on high performance supercapacitor based on nano gel polymer electrolyte with treated activated charcoal", Ionics (Springer), Vol. 19, pp 549-557, 2013.
- Amrita Jain, S K Tripathi, Ashish Gupta and Manju Kumari, "Fabrication and characterization of electrochemical double layer capacitors using ionic liquid based gel polymer electrolyte with chemically treated activated charcoal electrodes", Journal of Solid State Electrochemistry (Springer) Vol. 17, pp 713-726, 2013.
- Amrita Jain and S.K. Tripathi, "Converting Eucalyptus Leaves into Mesoporous Carbon for its Application in Quasi Solid-State Supercapacitors", Journal of Solid State Electrochemistry (Springer) (DOI: 10.1007/s10008-013-2140-1), 2013
- S.K. Tripathi, Amrita Jain, Ashish Gupta and Manju Kumari, "Studies on redox supercapacitor using electrochemically synthesized polypyrrole as electrode material using blend polymer gel electrolyte", Indian Journal of Pure and Applied Physics Vol. 51, pp 315-319, 2013.
- S.K. Tripathi, Ashish Gupta, Amrita Jain and Manju Kumari, "Electrochemical studies on nanocomposite polymer electrolytes", Indian Journal of Pure and Applied Physics Vol.51, pp 358-361, 2013.

Books

- S. K. Tripathi & Amrita Jain, "Biomass Based Carbon & its Application", Lambert Academic Publishing, Germany (ISBN Nos.: 978-3-659-40167-1), 2013.

Conference / Seminar / Workshop Participated

- S. K. Tripathi attended 19th International Conference on Solid State Ionics held at Kyoto, Japan from June 02-07, 2013.

Training & Placement Activities

- Infosys, Accenture, HCL Tech, DELL, BOSCH and ERA construction were the major recruiters for 2013 graduated batch and offered a total of 187 jobs to students of various branches of B. Tech. course as following.
- Infosys selected 39 students, Accenture selected 80 students, HCL selected 8 students, and ERA construction selected 5 students from B.Tech Civil Engineering.
- BOSCH India selected 4 students, another 6 students are in waiting list as soon as the company would have vacancies BOSCH will inform regarding joining of waitlisted candidates.
- Fourteen students joined University of Florida, and One student joined University of South Alambama to complete VIII semester.
- Few companies which have given their consent and would visit JUET for the probable recruitment process for 2014 graduating batch are : S&P Capital IQ, Infosys, Accenture, APAC, GE India Limited, ABB Limited, Cummins India, Aditya Birla Chemicals, Zensar Technologies, etc.

Student's Activities

- Jaypee Chemical Engineering Society conducted IONIZE 2K13 on February 02-03, 2013.
- Seventeen students of B.Tech (CE) final year qualified in GATE-2013. Anshul Mishra GATE Score was 508 and stood first among qualifying students.
- Gaurav Gupta, student of B. Tech (CE) final year selected in Build India Scholarship conducted by Larsen & Turbo.
- Civil Engineering Forum organized event Green Media on Feb 11, 2013 to aware people about the environmental issues surrounding us and advertise the "WRONGS" going on out there by using the different ways with innovative ideas viz. use of videos, audios, posters, cartoons, software etc.
- Ruchir Shukla, Field Engineer, JAL and ex-student of JUET delivered an interactive presentation on practical aspects of Civil Engineering on the occasion of event Green Media.
- Student Branch of Computer Society of India, has organized below mentioned events during this period and more than 600 students have participated in these events.

KODEATHON 13.2 (Coding Competition)	Feb 02, 2013
KODEATHON 13.3 (Coding Competition)	Feb 15, 2013
Picture Event	Feb 24, 2013
Workshop on Graphic Design & Photoshop	Mar 15-16, 2013
Online Sudoku	Mar 16, 2013
Online Treasure Hunt	Mar 19, 2013
KODEATHON International	April 13-14, 2013
- An Online International coding competition (KodeAthon International) has been organized by Student Branch of Computer Society of India during April 13-14, 2013. Participants from 24 countries have participated in this event.
- Prashant Agrawal student of B.Tech (CSE) III Year has been selected by GOOGLE as the Google Student Ambassador to represent Jaypee University of Engineering & Technology for the upcoming academic year.
- DEXTRA - 2013 (National level technical fest on April 19 -21, 2013), organized by the department of Electronics and Communication Engineering under the banner of ISF, IETE.
- Dr. Sonali Saxena joined the department of Mathematics as a Post Doctoral Fellow (NBHM) under the supervision of Prof. D.S.Hooda on March 01, 2013.
- Keerti Upadhyay presented research paper entitled "Useful' R-Norm information measure and its properties" at the National conference on Mathematical & Computational Modeling, MCM 2013 and 16th Annual Conference of Vijnana Parisad of India, held at IBS, Agra on May 24-26, 2013.
- Sonali Saini presented paper entitled "Exponentially fitted difference scheme for singular perturbation problem" in the National conference on Mathematical & Computational Modeling, MCM 2013 and 16th Annual Conference of Vijnana Parisad of India held at IBS, Agra from May 24 - 26, 2013.
- Mechanical Engineering Society (MES) organized a technical event "Paskal's Logic" on February 09, 2013.
- Mechanical Engineering Society (MES) organized "Prize and Certificate Distribution" event on May 16, 2013.
- The team "Nirvana", a group of Mechanical Engineering students, has passed virtual round of BAJA SAE INDIA - 2014 event held at Shri Venkateshwara College of Engineering, Bangalore on July 26, 2013.
- The team "Acriolis Cruzaders", a group of nine Mechanical Engineering students, has passed virtual round of EFFICYCLE SAE INDIA- 2013 event held at Amrutvahini College of Engineering, Sangamner, Maharashtra on June 29, 2013.
- Amrita Jain; PhD scholar, Department of Physics presented a paper in International Conference on Solid State Ionics in Kyoto, Japan from June 02-07, 2013.
- Following students were secured highest CGPA in their respective branch in B. Tech. (2013) courses of University:-

<u>Er. No.</u>	<u>Name</u>	<u>Branch</u>	<u>CGPA</u>
091053	Harshit Bhargava	ECE	9.2
091253	Prabhjot Kaur Bhatti	CSE	9.3
091424	S. Supriya	CHE	9.2
091553	Soumyaa Dixit	CE	9.1
091611	Chandrakant Kirar	MEC	9.1

- Following students were secured highest CGPA in their respective branch in M. Tech. (2013) courses of University:-

<u>Er. No.</u>	<u>Name</u>	<u>Branch</u>	<u>CGPA</u>
112008	Rana Pragati Subhashchandra	ECE	9.4
112112	Sonika Bansal	CSE	9.0
112604	Shivam Choudaha	MT	9.0



Our students accolades & achievements



Sixteen new faculty members have joined JUET

Activities of JUET Youth Club (JYC)

Following events were organized by the different wings of JYC during the period February 01, 2013 – July 31, 2013.

(i) Cultural Wing

- Cultural fest Dequinox 2013 March 08-09, 2013
- Euphoria band Live concert March 09, 2013
- Adios 2013 Farewell programme May 04, 2013

(ii) Literary Wing

- Made in India (Quiz) April 17, 2013

(iii) Sports Wing

- University Badminton league February 04-13, 2013
- University Handball league February 19-22, 2013
- Inter university sports meet March 20-23, 2013

Promotions & Appointments

We congratulate our faculty members who were promoted during the reported time & also welcome the new faculty members. They include:

- Dr. G. K. Agarwal and Dr. Rashmi Tyagi have been promoted from Assistant Professor (SG) to Associate Professor in July 2013.
- Dr. Kamlesh Kumar Gupta, Dr. Vishnu Sharma and Dr. Mahesh Kumar have been promoted to Assistant Professor (G-II) to Assistant Professor (SG) in reported duration.
- Dr. Smriti Dwivedi, Dr. Rajiv Tripathi, Dr. Sudha Radhika and Dr. Raju T. Kanumuri have been promoted to Assistant Professor (SG) in reported duration.
- Mr. Surendra Kumar has been promoted to Assistant Professor (G-I) in April 2013. We also welcome the following new faculty members who have joined us during this period:
- Mrs. Kamini Bhasin joined as an Associate Lecturer in March 2013 and Dr. Rachna Chaturvedi as Assistant Professor (G-II) in July 2013 in the Department of HSS.
- Mrs. Shina Gautam has joined as an Assistant Professor (G-II) and Dr. Shailesh Agrawal an Assistant Professor (SG) in July 2013 in the Department of Chemical Engineering.
- Mr. Yogendra Kumar Gautam has joined the Department of Physics as an Assistant Professor (G-I) in July, 2013.
- Mr. Prateek Patra has joined the Civil Engineering Department as an Assistant Professor (G-I) in July 2013.
- Mr. Kunj Bihari Meena has joined the Computer Science Engineering Department as an Assistant Professor (G-I) in July 2013.
- Mr. Jitendra Kanungo, Mr. Jitendra Raghuvanshi and Mr. Nafis Uddin Khan have joined the ECE department as an Assistant Professor (G-II) in July, 2013.
- Dr. Amit Sharma and Dr. Bhagat Singh have joined the Mechanical Engineering Department as an Assistant Professor (SG) in July, 2013.
- Mr. Arun Kumar Pandey and Mr. Kedarilal Dhakar has joined the Mechanical Engineering Department as an Assistant Professor (G-II) in July, 2013.

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