

JUET chronicle



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EDITORIAL BOARD

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



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Administrative Highlights

- First Convocation of the University for 2011 Batch was held on May 04, 2012. The function was presided over by the Chancellor, Hon'ble Shri Jaiprakash Gaur ji, Founder Chairman of Jaypee Group. Shri Shivraj Singh Chauhan ji, Chief Minister of Madhya Pradesh, Shri Digvijay Singh ji, former Chief Minister of Madhya Pradesh and Shri K.L. Agarwal ji, Minister of General Administration, Narmada Valley Development & Aviation of Madhya Pradesh also graced the occasion with their presence.

- Following students were awarded Gold Medal on the occasion of the first Convocation of the University:-

Er. No.	Name	Branch	CGPA	Medals
07095G	Prateek Katiyar	ECE	9.4	Chancellor Medal
07068G	Madhur Srivastava	ECE	9.3	Vice Chancellor Medal
07311G	Priyanka Agarwal	CSE	9.4	Vice Chancellor Medal
07403G	Ananya Saxena	CHE	9.3	Vice Chancellor Medal
07523G	S. Prasanna	CE	9.1	Vice Chancellor Medal

- Following numbers of students were awarded various degrees:in first Convocation of the University:-

Ph.D	5
M.Tech	4
B.Tech	364

- Sri Udit Narayan, along with his entourage rendered a very enjoyable musical evening on May 03, 2012.

- Academic Council and Board of Management Meetings of the University were held on Feb 04, 2012.

- A combined expert committee of UGC & AICTE visited the campus from February 10-12, 2012.

- Governing Body Meeting of the University was held on May 03, 2012.

Admitted Strength of Students in all Courses

For academic session 2012-13

B. Tech	M. Tech	Diploma	B.Sc. (Maths.)	Ph. D	Total
1914	82	174	06	55	2231

Visits by Dignitaries

- Prof. William Webster, former Vice Provost, University of California, Berkeley, USA, member of the Governing Council and Board of Management of JIIT, Noida, visited JUET on March 13, 2012.

- Dr. Srinivas Palanki, Professor and Chair, Department of Chemical and Biomolecular Engineering, University of South Alabama, USA, visited JUET on April 15, 2012.

Privileged visits by various dignitaries in the University.

- Hon'ble Shri Shivraj Singh Chauhan ji, Chief Minister of Madhya Pradesh visited in the campus on May 04, 2012 on the occasion of First Annual Convocation 2012 of the University.
- Hon'ble Shri Digvijay Singh ji, Former Chief Minister of Madhya Pradesh visited in the campus on May 04, 2012 on the occasion of First Annual Convocation 2012 of the University.
- Hon'ble Shri K.L. Agarwal ji, Minister of General Administration, Narmada Valley Development & Aviation of Madhya Pradesh visited in the campus on May 04, 2012 on the occasion of First Annual Convocation 2012 of the University.
- Hon'ble Shri Jaiprakash Gaur ji, Founder Chairman (Jaypee Group) & Chancellor of JUET, Hon'ble Shri Manoj Gaur ji, Executive Chairman (Jaypee Group) & Hon'ble Shri Sunny Gaur ji, MD (Jaypee Group) visited in the JUET Campus on May 04, 2012 on the occasion of First Annual Convocation 2012.
- Dr. Sanjay Agrawal, Head, Mechanical Engineering. Department, Bundelkhand Institute of Engineering and Technology, Jhansi visited the JUET campus on May 17, 2012.
- Prof. Laxmi N. Bhuyan, Distinguished Professor and Chair, Department of Computer Science and Engineering, University of California, Riverside (USA) has visited the campus during July 8-13, 2012.
- Professor J. P. Dwivedi, Head, Mechanical Engineering. Department, IIT BHU, Varanasi visited the JUET campus on July 10, 2012.
- Shri Har Prasad ji, Director, JAL, Noida, visited the JUET campus on July 27, 2012.
- Prof. T. Agami Reddy, SRP Professor, Energy and Environment, School of Sustainable Engineering, Arizona State University, Tempe, AZ, U.S.A, visited the JUET campus on June 04-08, 2012.

National Science Day

The inauguration of National Science Day was held on Feb 28, 2012 with an address by Prof. N.J. Rao, Hon'ble Vice Chancellor. The related events continued thereafter for two months. The theme for the Science Day this year was "Clean Energy Options and Nuclear Safety". It generated a lot of enthusiasm among the students who participated in the events like poster presentation, demonstration of solar devices and debate competition. MPCST, Bhopal provided Rs.50,000.00 & JUET Guna gave the matching amount for the celebrations. There were lectures by Dr. R.M. Sarviya, Professor & Head, NIT Bhopal, Prof.D.S.Hooda, Dean (R), Dr S K Tripathi and Mr Ajay Tripathi on this theme on May 10, 2012.

Publications of Research Papers and Books

During January to July 2012 fifty four research articles were published by the faculty of JUET, in different journals and conference proceedings of repute. The details of the published papers and books are as follows:

A: JOURNALS

- Arya, R. K., "Non-Fickian Drying of Polymeric Coatings", International Journal of Scientific & Technology Research, 1(1), 1-6, 2012.
- Arya, R. K., "Optimization of Free-Volume Theory Parameters For Ternary Polymeric Coatings From Binary Weight Loss Experiments", International Journal of Scientific & Technology Research, 1(3), pp. 27-30, 2012.
- Arya, R. K., "Photoelectrochemical Hydrogen Production Using Visible Light", International Journal of Renewable Energy Research, 2(2), pp. 289-294, 2012.
- Arya, R. K., "Drying Induced Phase Separation in Multicomponent Polymeric Coatings - Simulation Study", International Journal of Scientific & Technology Research, 1(4), pp. 48-53, 2012.
- Gupta, K. N., Rao, N. J. and Agarwal, G. K., "Adsorption of Xylene on Granular Activated Carbon in a Packed Bed", International Journal of Scientific & Technology Research, 1, pp. 90-93, 2012.
- Kapoor, L., & Chaurasia, A. S., "Product Yields and Kinetics of Pyrolysis of Sawdust and Bagasse Particles", Energy Education Science & Technology Part A: Energy Science and Research, 29, pp. 419-426, 2012.
- Amit Srivastava, G. L. Sivakumar Babu, "Uplift capacity and performance assessment of anchor piles installed to basement raft", Electronic Journal of Geotechnical Engineering, Vol. 17/H, pp. 1173-1187, 2012.
- Amit Srivastava, "Reliability analysis of ground water level and sea water interface in coastal land reclamation projects", International Journal of Life Cycle Reliability and Safety Engineering, SRESA BARC, Vol. 1, Issue 3, pp. 16-22, 2012.
- Amit Srivastava, "Spatial variability modeling of geotechnical parameters and stability of highly weathered rock slope", Indian Geotechnical Journal, Springer Publications, 42(3), pp. 179-185, 2012.
- Abhishek Srivastava and Pushpi Rani, "I/O Efficient Algorithm for Graph Pattern Matching Problem" International Journal of Scientific and Engineering Research, Vol. 3, Issue 6, pp. 1-7, June 2012.
- Kamlesh Gupta and Sanjay Silakari, "Novel approach for fast compressed hybrid color image cryptosystem", Advances in Engineering Software, vol. 49, pp. 29-42, July 2012.

Thirty Four research papers were published by our faculty members in reputed journals.



- Niyati Aggarwal, Amit Kumar, Harsh Khatter and Vaishali Aggarwal, "Analysis the Effect of Data Mining Techniques on Database", Elsevier's Advances in Engineering Software, Vol. 47(1), pp. 164-169, May, 2012.
- Prateek Pandey "Synthesizing Replenishment threshold in Inventory Management and Fuzzy Computing" International Journal of Knowledge Engineering and Technology, Vol. 1, No.1, pp 1-5, June, 2012.
- Ratnesh Litoriya and Narendra Sharma, "Incorporating Data Mining Techniques on Software Cost Estimation: Validation and Improvement" Int. J. of Emerging Technology and Advanced Engineering, Vol. 2, Issue 3, pp. 301-309, Mar 2012.
- Ratnesh Litoriya, Narendra Sharma and Aman Bajpai, "Comparison the various clustering algorithms of weka tools" Int. J. of Emerging Technology and Advanced Engineering, Vol. 2, Issue 5, pp. 301-309, May, 2012.
- Ravindra Kumar Singh, Narendra S. Chaudhari and Kanak Saxena, "Load Balancing in IP/MPLS Networks: A Survey," Communications and Network, Vol. 4 No. 2, pp. 151-156, 2012.
- U. S. Rawat and Shishir Kumar, "ECFS: An Enterprise-Class Cryptographic File System for Linux", International Journal of Information Security and Privacy", Vol.6, No.2, pp. 53-63, 2012.
- U. S. Rawat and Shishir Kumar, "Distributed Encrypting File System for Linux in User-space", International Journal of Computer Network and Information Security (IJCNIS)", Vol.4, No.8, pp. 33-39, 2012.
- Ashutosh Kumar Singh and Rajiv Saxena, "On Convolution and Product Theorems for FRFT", Wireless Personal Communication, Vol. 65, no. 1, pp. 189-201, July 2012.
- B. K. Mohanty, Anurag Mahajan and P. K. Mehar, "Area and Power Efficient Architecture for High Throughput Implementation of lifting 2-D DWT," IEEE Transactions on Circuits and Systems -II Express Brief, Vol. 59, no. 7, pp. 434-438, July 2012.
- Hem Dutt Joshi and Rajiv Saxena, "FRFT Based Timing and Frequency Offset Estimation Method for OFDM System", Mediterranean Journal of Electronics and Communication, Vol. 8, no. 1, pp. 340-344, Jan-Mar 2012.
- Narendra Singh and Rajiv Saxena, "Development of new combinational window family with its application in the design of cosine modulated filter bank with better performance," Mediterranean Journal of Electronics and Communications, Vol. 8, no. 1, pp. 330-339, Jan-March 2012.
- Neeraj Jain, "Knowledge hoarding: a bottleneck to organizational success," The Indian Journal of Industrial Relations, Vol. 47, No. 4, pp. 750, April, 2012.
- D. S. Hooda and Divya Jain, "Measures of Information on Fuzzy Matrix and Fuzzy Binary Relation", Journal of Combinatorics, Information and System Sciences, Vol. 37, pp. 1-18, 2012.
- D. S. Hooda, "Maximum Entropy Risk Model for Investment Management", Aryabhata Journal of Mathematics and Information Vol. 4, pp. 167-174, 2012.
- Hradayesh Kumar Mishra and Atulya K. Nagar, "He-Laplace method for linear and nonlinear partial differential equations", Journal of Applied Mathematics, Vol. 2012, pp. 1-16, 2012.
- I. Husain and Bilal Ahmad, "Constrained Dynamic Game and Symmetric Duality for Variational Problems" Journal of Mathematics and System Science, Vol. 3, No. 3, pp. 171-178, March 2012.
- I. Husain, Bilal Ahmad and Z. Jabeen, "On Multiobjective Duality for Variational Problems" The Open Operational Research Journal, Vol. 6, pp. 1-8, 2012.
- I. Husain and M. Masoodi, "Second-Order duality for a class of Nondifferentiable Continuous Programming Problems" , European Journal of Pure and Applied Mathematics, Vol. 5, No. 3, pp. 390-400, 2012.
- J. R. Singh and K. Kulkarni, "The effect of Yule's process on the power of chart", International Journal of Physical Sciences Ultra Scientist, Vol. 24(1) A, pp. 227-234, 2012.
- Avanih Kumar Dubey, Gavendra Norkey and Sanat Agrawal, "Parameter Optimization in Laser Cutting of Aluminium Alloy Sheet", Int. Journal of Mechatronics and Manufacturing System, Vol. 5, (3), 2012.
- Yashwant Kumar Modi, D. J. De Beer and Sanat Agrawal, "Physical Modeling of Terrain Directly from Surfer grid, ARC/INFO ASCII and DEM ASCII XYZ Data Formats" South African Journal of Industrial Engineering, Vol 23 (2), pp. 230-241, July 2012.
- R. Nair, G. Nagarjuna and A. K. Ray, "Features of complex networks in a free-software operating system", Journal of Physics: Conference Series, Vol. 365, pp. 012058, June, 2012.
- S. Nag, S. Acharya, A. K. Ray and T. K. Das, "The role of flow geometry in influencing the stability criteria for low angular momentum axisymmetric black hole accretion", New Astronomy, Vol. 17, pp. 285-297, April, 2012.

Twenty Research papers were presented by our faculty members in reputed conferences .



B: CONFERENCES

- Katariya, J. and Arya, R. K., "Drying of Binary Thin Film Polymeric Coatings: Experimental Validation", National conference on "Recent Advances in Chemical Engineering (RACE-2012)", University Department of Chemical Technology, North Maharashtra University, Jalgaon, Maharashtra, India, February 4, 2012.
- Kumar, R., Mahalingam, H. and Tiwari, K.K., "Droplet dynamics in supercritical antisolvent micronization processes, Proceedings of 2012 International conference on chemical, biological and environmental engineering (ICBEE 2012), Phuket, Thailand, September 1-2, 2012.
- Suman, A., Agrawal, R., and Chaurasia, A. S., "Production of Bisphenol A", presented at National Level Technical Paper/Project/Working Model Presentation Competition for Engineering Students (GREENCHEM 2012), Yavatmal, India, February 27-28, 2012.
- Tiwari, S., Singh, A. P., and Chaurasia, A. S., "Experimental Study on Pyrolysis of Sawdust", National Conference on Recent Advances in Chemical Engineering (RACE 2012), Jalgaon, India, February 4, 2012.
- Amit Srivastava, Chaitanya R. Goyal and Akash Jain, "Review of Causes of foundation failures and their possible preventive and remedial measures", 4th KKU-International Engineering Conference, (KKU-IENC2012), Thailand, 76 - 81, May 10-12, 2012.
- Amit Srivastava and Krishna R. Reddy, "Probabilistic design of municipal solid waste landfill slope stability", In Proceedings of XII International Symposium on Environmental Geotechnology, Energy and Global Sustainable Development, Los Angeles, CA, USA, pp. 282-290, June 27-29, 2012.
- Nitin Rakesh and Vipin Tyagi, "Failure Recovery in XOR'ed Networks", 2012 IEEE International Conference on Signal Processing, computing and control, Jaypee University of Information Technology, Waknaghat, India, March 15-16, 2012.
- Nitin Rakesh and Vipin Tyagi, "Failure Repair Approach for Multiple Source Parallel Networks", IEEE International Conference on Computing, Communication And Applications, PSNA College of Engineering and Technology, Dindigul, Tamilnadu, India, Feb 12-13, 2012.
- Nitin Rakesh and Vipin Tyagi, "Failure Detection Using Contour Approach on Network Coded Parallel Networks", 2012 International Conference on Modeling, Optimization And Computing (ICMOC-2012), ELSEVIER, NICHE, Kumarakoil, Tamil Nadu, India, April 10-11, 2012.
- Prateek Pandey and Vinay Kumar Jain, "Time Series Forecasting with Fuzzy and Neural Network: A Comparative Study using Sugar Production Data", International Conference on Electronic Communication & Instrumentation (e-Manthan), organized by SR. Group of Institutions Jhansi, pp. 464-470, ISBN: 978-93-82062-18-9, April 6-7, 2012.
- Varun K. Sharma and Punit K. Pandey, "Routing in Wireless Sensor Networks in Context of Accelerated Q-Learning Approach," International Conference on Electronic Communication & Instrumentation, (e-Manthan), pp.381-385, April 6-7, 2012, Jhansi, U.P.
- Varun Singh and Mahesh Kumar, "Simulation based Performance Analysis of Link State, Distance Vector and Path Vector Routing Protocol", International Conference on Electronic Communication & Instrumentation (e-Manthan), April 6-7, 2012 Jhansi, U.P.
- Vishnu Sharma and Bhadauria S. S., "Bandwidth Reservation Routing Technique based on Agent in Mobile Ad-hoc Networks using rate control with AODV", The 2012 International Conference on Network and Computer Science (ICNCS), Hong Kong, pp. 74-77, March 10-12, 2012.
- Deepak Kumar Jain, Gaurav Saxena and Vineet Kumar Singh, "A Novel Still Image Mosaic Algorithm Construction Using Feature Based Method," International Conference on Electronics & Communication Engineering Proc. ICECE-2012, pp. 59-63, Inter Science Research Network (India) Bhubaneswar, March 3, 2012.
- Gaurav Saxena, Deepak Jain and Vineet Kumar Singh, "Image Mosaicing by Corner Techniques," Proceedings of IEEE International Conference on Communication Systems and Network Technologies (CSNT-2012), pp. 79-83, Rajkot, India, May 11-13, 2012.
- G. K. Reddy, K. Jainwal, Jawar Singh and S. P. Mohanty, "Process Variation Tolerant 9T SRAM Bitcell Design," Proceedings of the 13th IEEE International Symposium on Quality Electronic Design (ISQED), pp. 492--496, Santa Clara, California, USA, pp. 19-21, March 15-19, 2012.
- Subodh Kumar Singhal, Basant Kumar Mohanty and Pramod Kumar Meher, "Efficient Architectures for VLSI Implementation of 2-D Discrete Hadamard Transform," Proceedings of ISCAS 2012, Seoul, South Korea, May 23-25, 2012.
- Rajesh K. Vishwakarma and Sanjay Tiwari, "Aperture coupled microstrip antenna for dual-band," Proceeding of National Conference on Emerging Trends in Electrical Instrumentation & communication Engineering (ETEIC-2012), Anand Engineering College, Agra and Institute of Engineers (India) Aligarh Centre, pp. 137-142, April 06-08, 2012.
- Rajesh Kr Vishwakarma, Nadia Shaheen, Navodit Aggarwal, Arjun Sharma, K.K Verma and Sanjay Tiwari, "Slot loaded fork shaped antenna for Bluetooth and dual-band Applications," Proceeding of National Conference on Emerging Trends in Electrical Instrumentation & communication Engineering (ETEIC-2012), Anand Engineering College, Agra and Institute of Engineers (India) Aligarh Centre, pp 143-145, April 06-08, 2012.
- Rajesh Kr Vishwakarma, Hemdutt Joshi, K.K Verma and Sanjay Tiwari, "Design of rectangular patch antenna with u-slot," Proceeding of National Conference on Emerging Trends in Electrical Instrumentation & communication Engineering (ETEIC-2012), Anand Engineering College, Agra and Institute of Engineers (India) Aligarh Centre, pp. 146-147, April 06-08, 2012.

**Seven Books
being published
by our
faculty members
on various topics.**



- S. S. Modak and F. Mazaleyrat, M. Lo Bue, L. K. Varga, and S. N. Kane, "Effective anisotropy field distribution of soft magnetic nanocrystalline Fe₈₄Zr_{3.5}Nb_{3.5}B₈Cu₁ ribbons", AIP Conf. Proc. 1447, 1163, published by the American Institute of Physics in June, 2012.

C: BOOKS

- Ram Kumar Soni, Alok Jain and Rajiv Saxena, "Design of Transmultiplexer and Filter-bank: NPR Type Design Approach," Lambert Academic Publishing, 2012.
- Alok Jain, Rajiv Saxena and S. C. Saxena, "Multirate Systems and Filterbanks: Window Based Approach," Lambert Academic Publishing, 2012.
- Deepak Sharma, "Designing of log-periodic antennas," Lambert academic publishing, 2012.
- Ravi Kumar, "Post Earthquake Rescue System: A Real Time Post Disaster Rescue System with Data Acquisition," Lambert Academic Publishing, 2012.
- P. S. Banerjee, "Storage Optimization for Miniature Database Systems", Lambert Academic Publishing, GmbH & Co. KG, 2012.
- Sunil Kumar Srivastava and A. L. Ramanatha, "Groundwater in Vicinity of landfill", Lambert Academic Publishing, Germany, 2012.
- Babu V. S., "Improvement of black cotton soil properties by using byproducts and lime", Lambert Academic Publishing, Saarbrücken Germany, 2012.

Conferences / Seminars / Workshops Attended

During the period of reporting, our faculty members attended the following international and national conferences/workshops:

- D. S. Hooda attended IASE Roundtable-12 as discussant held at Cibu City, Philippines from July 2-6, 2012. He was provided with US \$ 1500 from World Bank to expenses partially.
- D. S. Hooda attended International Congress on Mathematics Education (ICME-12) as a member of Indian delegation held from July 8-15, 2012 at Seoul, Korea.
- A. Srivastava, attended International Symposium on "Engineering Uncertainty: Safety Assessment and Management", Bengal Engineering & Science University Shibpur, Howrah, India, January 4-6, 2012.
- Hradyesk Kumar Mishra attended 36th annual meeting of the Society of Industrial and Applied Mathematics Southeastern Atlantic Section Meeting held at the University of Alabama in Huntsville, USA, from March 24-25, 2012.
- Hradyesk Kumar Mishra attended Indo-USA IUCEE workshop on Renewable Energy attended from June 4-8, 2012 at Jaypee University of Engineering and Technology, Guna (M.P).
- Dilip Kumar Sharma attended Indo-USA IUCEE workshop on Application Oriented Networking from July 9-13, 2012 at Jaypee University of Engineering and Technology, Guna (M.P)
- Gaurav Saxena attended National Workshop on Deployment and use of NPTEL Courses, IIT Kanpur, March 31-April 01, 2012.
- Subodh Singhal attended International workshop on Device modeling for Microsystems MOS-AK/GSA, Noida India, March 16-18, 2012.
- M. K. Patidar, Deepak Sharma and Ravi Kumar have attended Short term course on Application Oriented Networking under Indo-US Collaboration for Engineering Education during July-09-13, 2012 at the JUET, Guna.
- Vipin Tyagi represented India in the area of Digital Image Processing under International Collaboration in Czech Republic during May 7-19, 2012.
- Prateek Pandey attended National Workshop on "Deployment & Use of NPTEL Courses", jointly organized by IIT Kanpur & PDPMIITDM Jabalpur held during Mar 31- April 01, 2012 at PDPMIITDM Jabalpur.
- Nileshkumar Rajnikant Patel attended Summer School Workshop on "Advanced Algorithms" organized by Thapar University and ACM SIGACT North India and IEEE student Branch, Patiala (Punjab), during June 4-15, 2012.
- All faculty members of department of CSE have attended an IUCEE Workshop on "Application Oriented Networking" organized by Jaypee University of Engineering & Technology, Guna (MP) during July 9-13, 2012.
- All faculty members of the Mechanical & Chemical Engineering Departments have attended IUCEE workshop on Renewable Energy at JUET, Raghogarh, Guna (M.P), from June 4-8, 2012.
- Sanat Agrawal, Sarang Pande, Yaswant Modi, Sujit Singh and Raju Arya have undergone training on Z450 3D printer in Additive Manufacturing Lab for four days from July 26-29, 2012 at JUET, GUAN
- Rashmi Tyagi attended workshop on "Statistical Analysis for Engineers", from July 2-6, 2012, at IIT Kanpur.

Department of Humanities and Social Science has established an English Language Lab.

- S. Gandhi attended Training course on "Repair and Rehabilitation of Dams" organized by Central Soil and Material Research Station (CSMRS, Ministry of Water Resources), New Delhi, from Feb 16-17, 2012.
- A. Srivastava, N. K. Samaiya, D. K. Shukla, K. Murari, V. S. Babu, K. Mala, R. K. Goliya and S. Shankar attended IUCEE workshop on "Renewable Energy" organized by JUET Guna (MP), India, from June 4-8, 2012.
- R. Subramanyam participated and delivered expert lecturer entitled "Energy from anaerobic wastewater treatment" on 6th June in IUCEE workshop organized by JUET on "Renewable Energy" from June 4-8, 2012.
- S. Gandhi has participated and delivered expert lecturer on Hydro Power in IUCEE workshop organized by JUET on "Renewable Energy" from June 4-8, 2012.
- Professor R. M. Sarviya, Head of Mechanical Engineering Department, MANIT, Bhopal delivered lecture on "Application of Fresnel Mirror in Solar Energy" Feb, 28, 2012.
- Professor M. K. Ghosh, Director Apex Institute of Technology, Jaipur delivered lecture on "Lubrication of Hydrodynamic bearing" during ASME student chapter inauguration, April 28, 2012.
- Ajay Tripathi delivered lecture on "Wind Turbines" in IUCEE workshop on Renewable Energy, June 7, 2012.
- Yashwant Kumar Modi delivered lecture on "Advance Manufacturing Technologies" during MES inauguration, July 27, 2012.

Projects / Short Term Courses / Workshops Organized

- Extramural Research Division of, Council of Scientific & Industrial Research (CSIR), New Delhi, has sanctioned a three years research project entitled "Studies on bis sulfosuccinate gemini surfactants and evaluation of their surface active properties in mixed surfactant systems" to Dr. Rashmi Tyagi amounting 18.00 lacs, in July, 2012.
- Madhya Pradesh Council of Science and Technology (MPCST) sanctioned grant for following equipments: Evacuated Tube Collector (ETC), Solar Water Heater, and Solar Street Light in the laboratories of Mechanical Engineering Department.
- Madhya Pradesh Council of Science and Technology has sanctioned a two years research project entitled "Synthesis of nanomaterials using chemical approaches and their possible application in water purification", to Dr. Anuj Kumar, amount 3.2 lacs, in July, 2012.
- An "Android Application Workshop" has been organized by the Department of ECE under the banner of ISF on April 21-23, 2012.
- Department of Computer Science & Engineering has organized an IUCEE workshop on "Application Oriented Networking" during July 9-13, 2012.
- IUCEE workshop on Renewable Energy was organized by Department of Mechanical Engineering from June 4 - 8, 2012. Dr. T. Agami Reddy, SRP Professor of Energy and Environment, School of Sustainable Engineering in the Built Environment and The Design School, Arizona State University, Tempe, AZ, U.S.A delivered most of the lectures in the workshop.
- Demonstration of FEAST MEDO software was organized for faculty members of Mechanical Engineering Department by Mr. Nitin Bhatt on May 16, 2012 in OTS lab.
- Dr. Srinivas Palanki, Professor and Chair, Department of Chemical and Biomolecular Engineering, University of South Alabama, USA, visited the Department of Chemical Engineering, JUET, Guna, during April 16-20, 2012 for delivering lecture-series on "Numerical Methods for Process Modeling and Simulation (Using CHEMCAD and MATLAB)" for 6th Semester B. Tech. Chemical Engineering Students.

Establishment of New Laboratories

- Department of Humanities and Social Sciences has established an English Language Communication Skills Lab which is an instructional technology tool consisting of a source unit that can disseminate audio/visual, and/or written materials to students at individual seats, with a wide variety of potential feedback mechanisms to the Student and Teacher. The major features of language lab are Interactive teaching, Remote desktop access, Audio & Video broadcasting, Group discussion, Voice chat and Online examination.

Ph.Ds Awarded

Ph.D. degree has been awarded to following members during the period.

- Mr. K.N. Gupta was awarded Ph.D. entitled "Adsorption of Volatile Organic Compounds on Granular Activated Carbon", under the supervision of Prof. N. J. Rao & Dr. G.K. Agarwal in April 2012.
- Mr. Gur Vishal Sinha was awarded Ph.D in Management from Jodhpur National University in April 2012.

Awards / Honours

- Ph.D Scholars Ms. Sonali Saxena (Maths) and Ms. Amrita Jain (Physics) were bestowed with young scientist award at 27th M.P. Young Scientist Congress organized by M.P. Council of Science & Technology, Bhopal (M.P.) from February 28-29, 2012.

Various activities and achievements of our students.



Student's Activities

- Siddhant Mukharji, Vikram Jangir and Shivam Chawla students of B.Tech. IV year Mechanical Engineering secured first position in aero dynamic event "Impulse" in Techkriti at IIT Kanpur, Feb, 2012.
- Pulkit Verma student of B.Tech. IV year Mechanical Engineering secured first position in "Vaigyaniki" National Level Paper Presentation at IIT Bombay. March 3-4, 2012
- Ipsit Tarun, student of B.Tech (Mechanical Engineering) was invited to be a part of consultative meet organized by Vigyan Prasar (VP), Department of Science and Technology, Govt. of India. During April 10-12, 2012.
- American Society of Mechanical Engineering (ASME) student chapter was inaugurated by Professor M.K. Ghosh, Director Apex Institute of Technology, Jaipur (Raj) on April 28, 2012.
- Mechanical Engineering Society (MES) has been formally inaugurated by Shri HarPrasad Ji, Director, JAL, Noida on July 27, 2012.
- Amarjeet Kene, M.Tech student of Mechanical Engineering has been selected for admission in IIT Kanpur for pursuing Ph.D. degree.
- DEXTRA-2012 (National level University Technical Festival), organized by the students of Electronics and Communication Engineering department under the banner of ISF(IETE) during April 21- 23, 2012.
- The annual Technical Quiz of JUET 'TECHNOCRYPTIC-2012' organized by the students of Electronics and Communication Engineering department under the banner of ISF and IETE on July 31, 2012.
- Students of Computer Science Engineering department organized following activities under the banner of Computer Society of India (CSI).

Web-Comprehension	March 2, 2012.
Web site design competition	April 27, 2012.
Poster Design Contest	May 03, 2012.
Microsoft Dream Spark Yatra Program	May 06, 2012.
- Chaitanya R. Goyal, student of B.Tech. IV year Civil Engineering attended and presented the work in 4th KKU-International Engineering Conference, (KKU-IENC2012), May 10 - 12, 2012, Thailand.
- Inaugurations of Student's Chapter of Indian Concrete Institute (ICI), North India and Civil Engineering Technical Forum (CETF) were celebrated by the Civil Engineering department on April 18, 2012.
- Jaypee Chemical Engineering Students Society of Chemical Engineering department conducted successfully "THE BIG QUIA" on March 12, 2012.
- Jaypee Chemical Engineering Students Society of Chemical Engineering department conducted successfully "WHAT WENT WRONG", a Paper Presentation Competition on March 24, 2012.
- Following students have been admitted in the following premier management institutions of the country ;

1.	Pramit Gupta	:	IIM Shilong
2.	Himanshi Agarwal	:	IIM Shillong
3.	Srijan Shrivastava	:	NMIMS Mumbai

JUET Youth Club (JYC)

Following events were organized by the different wings of JYC during the period January-July 2012.

(i). Cultural Wing

- Music IQ January 16, 2012
- D'Equinox, Annual Fest March 29-30, 2012
- Live performance of JAL band fame Farhaan Saeed March 30, 2012
- Melodious musical evening by Udit Narayan & Group May 03, 2012
- Adios 2012, farewell to final year batch May 11, 2012
- Show by Anil Srivastava & Group for faculty members June 08, 2012

(ii). Literary Wing

- Koffee With Karan January 19, 2012
- JUET Crossword January 12, 2012
- Vth vol. of university magazine Vartika
(Released by Hon`ble CM, Shri Shivraj Singh Chauhan) May 04, 2012
- Atisarga 2012 (Alumni brochure) May 11, 2012

Seven faculty members got promoted and fourteen new faculty members joined us .



(iii). Sports Wing

- Inter Year Basket Ball League January 11-22, 2012
- Inter Year Cricket League January 07-29, 2012
- Inter Year 20-20 Cricket league April 30- May 07, 2012

Promotions & Appointments

We congratulate our faculty members who were promoted during the semester. They include:

- Dr. K.N. Gupta has been promoted from Sr. Lecturer to Assistant Professor in May 2012.
- Mr. Sujit Patel has been promoted to Senior Lecturer in July 2012.
- Mr. G. K. Reddy has been promoted to Senior Lecturer in July 2012.
- Mr. Abhishek Srivastava has been promoted to Senior Lecturer in July 2012.
- Mr. Neeraj Rathor has been promoted to Senior Lecturer in July 2012.
- Mr. Yashwant Kumar Modi has been promoted to Senior lecturer in July 2012.
- Mr. Abhishek Shukla has been promoted to Senior Lecturer in July 2012.

We also welcome the following new faculty members who have joined us during this period:

- Mr. Surendra Kumar joined as Associate Lecturer in Department of Mathematics in July 2012.
- Dr. S. Radhika joined Electronics & Communication Engineering Department as Senior Lecturer in July 2012.
- Ms. Smrity Dwivedi, joined Electronics & Communication Engineering Department as Senior Lecturer in July 2012.
- Mr. Navanit Palrecha, joined Electronics & Communication Engineering Department as Senior Lecturer in July 2012.
- Mr. Abhishek Sharma joined Electronics & Communication Engineering Department as Lecturer in July 2012.
- Mr. Veervrat Singh transferred from JPTC, Rewa to JUET, Guna in Electronics & Communication Engineering Department as Lecturer in July 2012.
- Mr. Amit Srivastava joined Computer Science Engineering Department as Lecturer in July 2012.
- Ms. Sonam Chug joined Computer Science Engineering Department as Lecturer in July 2012.
- Mr. Ashish Gupta joined Computer Science Engineering Department as Lecturer in July 2012.
- Mr. Dibyendu Konar joined Mechanical Engineering Department as Senior Lecturer in July 2012.
- Mr. Dhananjay Mishra joined Mechanical Engineering Department as Senior Lecturer in July 2012.
- Mr. Hariom Saran Singh joined Mechanical Engineering Department as Lecturer in July 2012.
- Ms Khushboo Garg has joined Department of Humanities as Associate Lecturer in August 2012.
- Mr. Anuj Kumar Yadav joined Civil Engineering Department as Lecturer in July 2012.

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