

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

- Academic Council Meeting & Board of Management Meetings were held on June 07, 2014 at JUET, Guna. Important decisions taken are as follows:
 - a) The minutes of the last meeting of the academic council held on November 09, 2013 were confirmed and the action taken report was reviewed and approved.
 - b) The reports of Board of Studies Meeting by different departments of JUET were noted.
 - c) The results of Odd Semester and Mid Semester Examinations of Even Semester of Academic Session 2013 - 14 were noted.
 - d) The proposal of students intake for the Academic Session 2014-15 was perused and recommended to the Board of Management.
 - e) The proposal for eligibility of Diploma TPPE students passing out from JUET, Guna for Lateral Entry was perused and approved.

Visit of Dignitaries

- Prof. Santsoh Kumar, IIT, Banaras Hindu University, Varanasi, Dr. Carsten Mueller, Nuremberg, Germany, Dr. K. Srinivasa Rao, Andhra University, Visakhapatnam; Prof. Ganapati Panda, Deputy Director, IIT, Bhubaneswar; Prof. P. Rajasekhara Reddy, S.V. University Tirupati (A.P.), and Dr. A.K. Thakur, IIT, Patna, visited the campus in month of April 2014.
- Prof. S.S. Agrawal, Executive Director, KIIT Group of Colleges, Gurgaon; Prof. A. K. Sachan, MNNIT Allahabad; Prof. Ugresn Suma (DAVV Indore) and Dr. R. K. Pateriya MANIT, Bhopal, have visited the campus in the month of May, 2014.
- Prof. Vinayshil Gautam (Sr. Advisor KPMG, New Delh); Prof. S.C. Saxena (Vice Chancellor JIIT Noida) and Prof. S. K. Kak (Vice Chancellor JUIT Noida), Dr. Sanjai Gupta BIET, Jhansi, have visited the campus in the month of June 2014.

Admitted Strength of New Students

For academic session 2014-15

B.Tech.	B.Tech. (LE)	M.Tech.	Diploma	Ph. D	Total
556	21	27	40	20	664



Inputs of Research by all Departments of University

Publication of University Journal

- The second issue of Vol. 1 of JUET Research Journal of Science and Technology has been published by Narosa Publishers, in the month of July, 2014. Eleven papers from India and foreign authors have been published in this issue.

Achievements (Department-wise)

CHEMICAL ENGINEERING

A: PUBLICATIONS IN JOURNALS

- D. Geetha and Rashmi Tyagi, "Surface and dispersion properties of dodecanol and tetradecanol based glucoside surfactants" International Journal of Scientific & Engineering Research, vol. 5, no. 4, pp. 1278-1283, 2014.

COMPUTER SCIENCE & ENGINEERING

A: PUBLICATIONS IN JOURNALS

- Neelesh Kumar Jain and Abhishek Tiwari, "Analysis of Multiscale Transform Based Digital Image Watermarking for Multimedia Files", International Journal for Scientific Research and Development, vol. 2, no. 2, pp. 177-182, 2014.
- Neeraj Kumar Rathore and Inderveer Chana, "Variable Threshold Based Hierarchical Load Balancing Technique in Grid", Engineering with Computers, Springer, DOI: 10.1007/s00366-014-0364-z, 2014.
- Neeraj Kumar Rathore and Inderveer Chana, "Job Migration Mechanism with Fault Tolerance and QoS Scheduling using Hash Table Functionality in Social Grid Computing", Journal of Intelligent & Fuzzy Systems, IOS Press publication, pp. 21-35, 2014
- Nishant Shrivastava and Vipin Tyagi, "Content Based Image Retrieval based on Relative Locations of Multiple Regions of Interest using Selective Regions Matching", Information Sciences, vol.259, pp. 212-224, 2014.
- Ashwini Kumar, S. P. Ghera and Vipin Tyagi, "Implementation of Wavelet Based Modified Buyer-Seller Watermarking Protocol (BSWP)", WSEAS Transactions on Signal Processing, vol. 10, pp.212-220, 2014.
- Sourabh Shrivastava, S. K. Singh and D. S. Hooda, "Statistical Texture and Normalized Discrete Cosine Transform based Automatic Soya Plant Foliar Infection Cataloguing", British Journal of Mathematics and Computer Science, vol. 4, no. 20, pp. 2908-2923, 2014.
- Sourabh Shrivastava and D. S. Hooda, "Automatic Brown Spot and Frog Eye Detection from the Image Captured in the Field", American Journal of Intelligent Systems, vol. 4, no.4, pp. 131-134, 2014.
- Amit Kumar and Shishir Kumar, "Decision Tree based Learning Approach for Identification of Operating System Processes", WSEAS Transactions on Computers, vol. 13, pp. 277-288, 2014.
- Amit Kumar and Shishir Kumar, "An Efficient Machine Learning Approach for Identification of Operating System Processes", International Journal of Software Engineering and Its Applications, vol. 8, no. 6, pp. 209-228, 2014.
- Amit Kumar and Shishir Kumar, "Artificial Neural Network Based Approach for Identification of Operating System Processes", Journal of Applied Information Sciences, vol. 2, no. 1, pp. 1-11, 2014.
- Harikesh Singh and Shishir Kumar, "WSQ: Web Server Queueing Algorithm for Dynamic Load Balancing", Wireless Personal Communication, Springer, DOI: 10.1007/s11277-014-2005-7, 2014.

B: PUBLICATIONS IN CONFERENCE PROCEEDINGS

- Nilesh Kumar Dubey and Shishir Kumar, "A Review of Watermarking Application in Digital Cinema for Piracy Deterrence" Proceedings of International Conference on Communication Systems and Network Technologies, CSNT- 2014, Bhopal, IEEE Computer Society, pp. 626-630, April 07-09, 2014.
- Shaifali Bhatnagar and Shishir Kumar, "Web Mining: An Eonian Concept", in proceeding of the First International Conference on Advances in Computing & Communication Engineering (ICACCE-2014) organized by B. T. Kumaon Institute of Technology, Dwarahat, Almora, Uttarakhand, pp. 127-132, February 22-23, 2014.
- Parijat Rathore, Deepshikha Pandey and Shishir Kumar, "Dynamic Texture Recognition: A Review", in proceeding of the First International Conference on Advances in Computing & Communication Engineering (ICACCE-2014)



**Four Ph.D.
Degree awarded
during
February – July, 2014**

organized by B. T. Kumaon Institute of Technology, Dwarahat, Almora, Uttrakhand, pp. 121-126, February 22-23, 2014.

- Sumesh Kumar Nair and Harikesh Singh, "Analysis of Grid Computing Security using Trusted Computing", in proceeding of the First International Conference on Advances in Computing & Communication Engineering (ICACCE-2014) organized by B. T. Kumaon Institute of Technology, Dwarahat, Almora, Uttrakhand, pp. 86-91, February 22-23, 2014.
- Abhishek Tiwari and Neelesh Kumar Jain, "Wave Atom based compression method for fingerprint images", in proceeding of the First International Conference on Advances in Computing & Communication Engineering (ICACCE-2014) organized by B. T. Kumaon Institute of Technology, Dwarahat, Almora, Uttrakhand, pp. 82-85, February 22-23, 2014.

CONFERENCE / SEMINAR / WORKSHOP PARTICIPATED

- Dr. Shishir Kumar delivered invited lecture on "Power of Distributed Computing", in First International Conference on Advances in Computing & Communication Engineering (ICACCE-2014) organized by B. T. Kumaon Institute of Technology, Dwarahat, Almora, Uttrakhand, February 22-23, 2014.
- P.S. Banerjee attended one week short term course on "Application of Soft Computing & Optimization Techniques in Engineering & Sciences" organized at NIT, Durgapur during the March 04-08, 2014.
- Neeraj Rathore and Sourabh Shrivastava attended the National Conference of 29th M. P. Young Scientist Congress during February 28-March 01, 2014.
- Prateek Pandey, Amit Kumar Srivastava and Dinesh Kumar Verma, attended three days International Workshop on "Intelligent Approaches for Object Oriented Modeling in Component Based Software Engineering" organized by JUET, Guna during the April 18-20, 2014.

CONFERENCE / SHORT TERM COURSE / WORKSHOP ORGANIZED

- Department of CSE organized three days International Workshop on "Intelligent Approaches for Object Oriented Modeling in Component Based Software Engineering" during the April 18-20, 2014.

Ph.D AWARDED

- Mr. Nishant Srivastava was awarded Ph.D. degree, entitled "An effective content based image retrieval system using relevance search and low level features", under the supervision of Dr. Vipin Tyagi in June 2014.

CIVIL ENGINEERING

A: PUBLICATIONS IN JOURNALS

- Gandhi S., "Analysis of Supercritical Flow In Suddenly Expanding Channel", International Journal of Fluid Mechanics Research, vol. 41, no. 3, pp. 194-220, 2014.
- Gandhi S., "Characteristics of Hydraulic Jump", International Science Index, World Academy of Science, Engineering and Technology, vol. 8, no. 4, pp. 219-224, 2014.
- Babu, V.S., Mullick, A.K., Jain, K. K. and Singh, P. K., "Mechanical properties of high-strength concrete with recycled aggregate-Influence of processing", Indian Concrete Journal, vol. 88, no. 5, pp. 10-26, 2014.
- Babu, V. S., Mullick, A.K., Jain, K. K. and Singh, P. K., "Strength and durability characteristics of high-strength concrete with recycled aggregate-Influence of processing", Journal of Sustainable Cement based Materials.2014 doi:10.1080/21650373.2014.888961.
- Shukla D. K., Jain K. K. and Singh M., "Bearing capacity of footing on slopping anisotropic rock mass", International Journal of Research in Engineering & Technology, vol. 2, no. 4, pp. 217-232, 2014.
- Shukla D. K., Jain K K and Singh M., "Variation in Bearing capacity of footing on slopping anisotropic rock mass", International Journal of Research in Engineering & Technology, vol. 2, no. 6, pp. 85-98, 2014.
- Gaur H., Goliya R. K., Murari K. and Mullick A. K., "A parametric study of multi-storey RC buildings with horizontal irregularity", Journal of Research in Engineering and Technology, vol. 3, no. 4, pp. 360-364, 2014.

B: PUBLICATIONS IN CONFERENCE

- Gandhi S & Singh R. P. 'Hydraulic Jump Characteristics in Non-Prismatic Channels' Proceedings of 5th IAHR International Symposium on Hydraulic Structures ISHS-2014 and 11th National Conference on Hydraulics in Civil



**Department of CSE
organized three days
international
workshop
during
April 18-20, 2014**

Engineering, Brisbane, Australia, DOI: 10.14264/uql.2014.14, June 25-27, pp. 1-9, 2014.

CONFERENCE / SEMINAR / WORKSHOP PARTICIPATED

- Dr. Sumit Gandhi has attended and presented paper in 5th IAHR International Symposium on Hydraulic Structures ISHS-2014 and 11th National Conference on Hydraulics in Civil Engineering, Brisbane, Australia, June 25-27, 2014.

Ph.D AWARDED

- Mrs. Kanchan Mala was awarded first Ph.D. in Civil Engineering entitled "Effect of Mineral Admixtures on Properties of Concrete using Ternary Cement Blends", under the supervision of Prof. K. K. Jain, Dr. A. K. Mullick (former director general of NCBM) & Prof. P. K. Singh in May, 2014.

ELECTRONICS & COMMUNICATION ENGINEERING

A: PUBLICATIONS IN JOURNALS

- B. K. Mohanty and S. K. Patel, "Area-Delay-Power Efficient Carry-Select Adder", Transactions on Circuits and Systems-II, Express Brief, vol. 61, no. 6, pp. 418-422, 2014.
- B. K. Mohanty and Vikas Tiwari, "Modified Probabilistic Estimation Bias Formulation for Hardware Efficient Fixed-width Booth Multiplier", Circuit, Systems and Signal Processing, DOI 10.1007/s00034-014-9843-0, 2014.
- B. K. Mohanty and P. K. Meher, "Area-Delay-Power-Efficient High-Performance Architecture for 2-D DWT using Multiple Lifting Scheme", IET Image Processing, vol. 8, no.6, pp. 345-353, June 2014.
- Sushil Kumar and Narendra Singh, "Performance Analysis of M-Band Cosine-Modulated Filter Bank Using Variable Window", International Journal of Electronics, Electrical and Computational System, vol. 3, no. 3, pp. 16-21, 2014.
- Deepak Sharma, Rajiv Saxena and Narendra Singh, "Image Compression Based On Multiple Parameter Discrete Fractional Fourier Transform for Satellite and Medical Images", International Journal of Signal Processing, Image Processing and Pattern Recognition, vol. 7, no. 3, pp. 453-474, 2014.
- Amit Mishra, Rajiv Saxena and Manish Patidar, "OFDM Link with a Better Performance Using Artificial Neural Network", Wireless Personal Communications, vol. 77, no. 2, pp. 1477-1487, 2014.
- H. Nigam and Manish Patidar, "Performance Evaluation of CFO in Single Carrier-FDMA", International Journal of Electrical, Electronics and Computer Engineering, vol. 3, no. 1, pp. 104-110, 2014.

B: PUBLICATIONS IN CONFERENCE

- Rajiv Kr Tripathi, S. K. Dhuli, Y. N. Singh and Nischal Kr Verma, "Analysis of Weights for Optimal Positioning of Base Station in a Wireless Sensor Network", In Proceedings of IEEE National Conference on Communication (NCC), IIT Kanpur, India, pp. 01-04, February 28-March 02, 2014.
- Amit Munjal, Rajiv Kr Tripathi, and Y. N. Singh, "Balancing Energy Consumption Using Cluster Based Approach in Wireless Sensor Network", In Proceedings of IEEE National Conference on Communication (NCC), IIT Kanpur, India, pp. 01-05, February 28-March 02, 2014.
- P. K. Meher, B. K. Mohanty and T. Srikanthan, "Area-Delay Efficient Architecture for MP Algorithm Using Reconfigurable Inner-Product Circuits", In Proceedings of IEEE International Symposium on Circuits and Systems (ISCAS-2014), Melbourne, Australia, pp. 2628-2631, June 01-05, 2014.

CONFERENCE / SHORT TERM COURSE / WORKSHOP ORGANIZED

- Department of ECE organized an expert lecture on "Genetic Algorithm" by Prof. G. N. Panda, IIT Bhubaneswar on April 26, 2014.

Ph.D AWARDED

- Mr. Anurag Mahajan was awarded Ph.D. degree entitled "Memory-efficient concurrent VLSI architectures for two-dimensional discrete wavelet transform", under the supervision of Prof. B. K. Mohanty in May, 2014.

HUMANITIES AND SOCIAL SCIENCE

A: PUBLICATIONS IN JOURNALS

- Sandeep Arya and Sandeep Srivastava, "E-loyalty in Websites: User Domain Perspective", The International Journal of Business and Management, vol. 2, no. 6, pp. 302-308, 2014.
- Kamini bhasin, "Learning English as a Second Language & Role of Digital Language Lab" International Journal of



**Prof. D.S. Hooda
elected Senior
Vice President
of Indian Society of
Information Theory
&
Applications for
two years;
till April 2016.**

Scientific Research, ISSN No: 2277 - 8179, vol 3, no. 4, pp. 182-183, 2014.

MATHEMATICS

A: PUBLICATIONS IN JOURNALS

- D. S. Hooda, Keerti Upadhyay and D. K. Sharma, "Bounds on Cost Measures in terms of 'Useful' R-norm Information Measures", Direct Research Journal of Engineering and Information Technology (DRJEIT), vol. 2 no. 2, pp. 11-17, 2014.
- D.S. Hooda, Keerti Upadhyay and D.K. Sharma , "A Generalized Measure of 'Useful R-norm Information" International Journal of Engineering Mathematics and Computer Sciences, vol3, pp 1-11, 2014.
- D.S. Hooda, Keerti Upadhyay and Sonali Sexana , " Characterization of a Generalized Information Measure by Optimization Technique" International Journal of Engineering Research and Management Technology, vol. 1, pp 301-303, 2014.
- H. K. Mishra, "Initial Value Technique for Singular Perturbation Boundary Value Problems", American Journal of Numerical Analysis, vol. 2, no. 2, pp. 49-54, 2014.
- H. K. Mishra, "He-Laplace Method for the Solution of Two-point Boundary Value Problems" American Journal of Mathematical Analysis, vol. 2, no. 3, pp. 45-49, 2014.
- H. K. Mishra and Sonali Saini, "Various Numerical Methods for Singularly perturbed boundary Value problems", American Journal of Applied Mathematics and Statistics, vol. 2, no. 3, pp.129-142, 2014.
- H. K. Mishra and Sonali Saini, "Variational Iteration Method for a singular Perturbation Boundary Value Problems ", American Journal of Numerical Analysis, vol. 2, no. 4, pp. 100-107, 2014.

CONFERENCE / SEMINAR / WORKSHOP PARTICIPATED

- Prof. D. S. Hooda participated in 101st Indian Science Congress Association held at Jammu University, Jammu, as sectional president of Mathematical Sciences (including Statistics) and organized academic program of the section in befitting manner, from February 03-07, 2014.
- Prof. D. S. Hooda was Chief Guest at the inaugural function of National Conference on Recent Trends and Developments in operations Research held at BITS, Pillani from February 22-23, 2014. He also delivered an invited talk.
- Prof. D. S. Hooda delivered a valedictory address at the closing function of refresher course of College and University teachers at Kurukshetra University, Kurukshetra on 21st March, 2014.
- Prof. D. S. Hooda was invited to deliver lecture at Manipal University, Jaipur on April 04, 2014.
- Prof. D. S. Hooda chaired an invited lectures session and also delivered talk on "Information theoretic techniques for dependence measure in contingency tables", on April 05, 2014 at Global University, Jaipur.
- Prof. D. S. Hooda visited eight colleges in Sholapur District, Maharashtra, from June 02-05, 2014 as Chairman of inspection Committee Constituted by UGC.
- D. K. Sharma attended National Conference on Recent Trends and Developments in Operations Research organized by Department of Mathematics, BITS Pilani, during February 22-23, 2014.
- D. K. Sharma attended National Conference on Mathematical Techniques in Engineering Applications-MTEA 2014", organized by Department of Mathematics, Vivekananda Global University, Jaipur, Rajasthan during April 04-05, 2014.
- Bali Ram Gupta attended a one-week short-term training programme on "Basics of computational fluid dynamics", organized by Department of Applied Mechanics, Motilal Nehru National Institute of Technology Allahabad, UP, India during June 23-27, 2014.
- Bali Ram Gupta attended a one-week national workshop on "Advanced Computational Fluid Dynamics", organized by Department of Applied Mechanics, Motilal Nehru National Institute of Technology Allahabad, UP, India during June 28-July 02, 2014.

AWARDS / HONOURS

- Prof. D.S. Hooda has been elected Senior Vice President of Indian Society of Information theory & Applications for two years w.e.f. April 01, 2014.
- Chairman UGC, has kindly nominated Prof. D.S. Hooda as UGC representative on the Board of Management of Government College of Engineering Karad, Maharashtra on June 24, 2014.



**DEXTRA-2014
has been organized
during
April 19-20, 2014**

- Prof. D.S. Hooda has been elected Vice-President of Vijayama Parishad of India for three years 2014-16.

MECHANICAL ENGINEERING

A: PUBLICATIONS IN JOURNALS

- Soni, V., Mondal, S. and Singh, B., "Process Parameters Optimization in Turning of Aluminum using a New Hybrid Approach", International Journal of Innovative Science, Engineering & Technology, vol. 1, no. 3, pp. 418-423, 2014.
- Mondal, S., "Design of Unknown Input Observer for Nonlinear Systems with Time-Varying Delays", International Journal of Dynamics and Control, DOI:10.1007/s40435-014-0098-1, 2014.
- Y. K. Modi and S. Agrawal, "Obtaining 3D PLY Part from DEM Surface Data for Terrain Modeling by Additive Fabrication", International Journal of Engineering Science and Technology, vol. 6, no. 4, pp. 177-187, 2014.
- Agrawal, S., De Beer, D. J. and Modi, Y. K. , "Conversion of a GIS surface data directly to a 3D STL part for terrain modeling", Rapid Prototyping Journal, vol. 20, no. 5, 422-430, 2014.
- Arun Kumar Pandey, Avanish Kumar Dubey and Arvind Kumar Chaudhary, "Computer aided Taguchi Fuzzy Multi-objective Optimization of Laser cutting", Journal of Intelligent and Fuzzy Systems, vol. 26, no. 2, pp. 801-810, 2014.
- Shshank Garg, Rounak Chawla, Bhagat Singh, "Crack detection in cantilever beams using a new hybrid approach", International Journal of Mechanical and Production Engineering, vol. 2, no. 4, pp. 22-27, 2014.
- Vivek Soni, Sharifuddin Mondal and Bhagat Singh, "Process Parameters Optimization in Turning of Aluminum using a New Hybrid Approach", International Journal of Innovative Science, Engineering & Technology, vol. 1, no. 3, pp. 418-423, 2014.

B: PUBLICATIONS IN CONFERENCE

- Anil Kr. Tiwari and Dhananjay R. Mishra, "Effect of Covering by Black Polythene Sheet and Coal Power on Nearby Surfaces of Sand Bed Solar Still: Studying Heat and Mass Transfer", HEFAT 2014 10Th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Orlando, Florida, July 14-16, 2014.
- Amit Sharma, Amrit Shiwani and Vinod Yadava, "Optimization of Kerf Deviation during Pulsed Nd: YAG Laser Cutting of Thin Al-alloy Sheet for Curved Profile", Proceedings of the National Conference on Emerging Frontiers in Mechanical Engineering, at HBTI Kanpur, pp. 113-118, Feb 15-16, 2014.
- G. N. Norkey, A. K. Dubey and S. Agrawal, "Theoretical Investigations in Laser Cutting: A Review", Proceedings National Conference on Research and Innovation in Mechanical Engineering (RIME - 14), TIT College, Bhopal, pp. 103-111, March 05-06, 2014.
- Pawan Sharma, Avanish Kumar Dubey and Arun Kumar Pandey, "Numerical Study of Temperature and Stress Fields in Laser Cutting of Aluminium alloy Sheet", Proceedings of International Conference on Advances in Manufacturing and Materials Engineering (ICAMME 2014), held at National Institute of Technology Karnataka, Surathkal, India, (ME-115), pp. 1-10, March 27-29, 2014.
- R. S. Chawla, S. Garg, S. Banerji and B. Singh, "Identification of multiple cracks in a cantilever beam using a new hybrid approach", Proceedings of 3rd IRF International Conference, Hyderabad, India, pp. 118-123, May 18, 2014.
- Shshank Garg, Rounak Chawla and Bhagat Singh, "Crack detection in cantilever beams using a new hybrid approach", Proceedings of 4th IRF International Conference, Pune, pp. 73-78, March 16, 2014.

Ph.D AWARDED

- Mr Gavendra Norkey awarded Ph.D. degree entitled, "Optimization and experimental modeling of quality characteristics for difficult to laser cut aluminum alloy sheets," under the supervision of Dr. Sanat Agrawal and Dr. Avanish Dubey (MNNIT Allahabad) in May 2014.

PHYSICS

A: PUBLICATIONS IN JOURNALS

- Arjun Mullick and Arnab K. Ray, "Dynamics of bimodality in vehicular traffic flows", Journal of Applied Nonlinear Dynamics, vol. 3, no. 1, pp. 17-26, 2014.
- Rajiv Nair, G. Nagarjuna and Arnab K. Ray, "Finite-size effects in the dependency networks of free and open-source software", Complex Systems, vol. 23, pp. 71-91, 2014



**Our main recruiters
are
Accenture, Wipro &
NIRMA Cements.**



**Three faculty
members of different
departments
were promoted.**

- Sourav Sen and Arnab K. Ray, "Implications of nonlinearity for spherically symmetric accretion", Physical Review D, vol. 89, article no. 063004, pp.1-12, 2014.
- Soumyajit Bose, Anindya Sengupta and Arnab K. Ray, "Nonlinear variations in axisymmetric accretion", Physical Review D, vol. 89, article no. 103011, pp.1-15, 2014.
- Arnab K. Ray and Jayanta K. Bhattacharjee, "A dynamical systems approach to a thin accretion disc and its time-dependent behaviour on large length scales", JUET Research Journal of Science and Technology, vol. 1, no.2, pp. 119-136, 2014.
- Amrita Jain and S.K. Tripathi, "Fabrication and Characterization of Energy Storing Supercapacitor Devices using Coconut Shell based Activated Charcoal Electrode", Materials Science and Engineering B (Elsevier), vol. 183, pp. 54-60, 2014.
- Amrita Jain and S.K. Tripathi, "Effect of nano-filler on the performance of MWCNTs based EDLCs", Journal of Renewable and Sustainable Energy (American Institute of Physics), Vol. 6, pp. 1 - 11(013108), 2014.

CONFERENCE / SEMINAR / WORKSHOP PARTICIPATED

- Dr. Arnab Ray, presented a seminar titled "Evolution and Instability of Bondi Accretion" at Indian Institute of Technology, Indore, on July 03, 2014.

JAPEE WIND ENGINEERING APPLICATION CENTRE

A: PUBLICATIONS IN JOURNALS

- Arunachalam, S., "A Method for Prediction of Across-wind Response of Tall Circular Concrete Chimneys", Jl. Wind and Engineering, vol.11, no.1, pp. 23-39, 2014.

CONFERENCE / SEMINAR / WORKSHOP PARTICIPATED

- Mr Sundeep Kumar visited Nepal to conduct Energy audit in two cement plants in the capacity of certified energy auditor during the month of May 2014, Binshith P. has attended and presented paper titled "On-Site Investigation of Turbulence zones and Wake zones in a wind farm" in NCPSE 2014, 2nd National Conference on Power Electronics in Sustainable Energy Development, Amrita Viswa Vidyapeetham, Coimbatore, India, May 01-03, 2014

AWARDS / HONOURS

- Dr. S. Arunachalam is selected as a Member; Scientific Committee for the 7th International Symposium on "Environmental Effects on Buildings and People" (EEBP VII) organized by the Wind Engineering laboratory, Cracow University of Technology, Poland during October 20-22, 2014.
- Dr. S. Arunachalam is also selected as a Member, Advisory Committee, for the 7th National Conference on "Wind Engineering" (VII-NCWE) organized by the Department of Civil Engineering, Thapar University, Patiala, during November 21-22, 2014.

CEMENT RESEARCH & DEVELOPMENT CENTRE

- Mr Sundeep Kumar visited Nepal to conduct Energy audit in two cement plants in the capacity of certified energy auditor during the month of May, 2014.

Promotions & Appointments

- We congratulate our faculty members who were promoted during the semester. They include:
- Dr. Gavendra Norkey (MEC), Dr. Anurag Mahajan (ECE) & Dr. Kanchan Mala (CE) have been promoted from Assistant Professor (G-II) to Assistant Professor (SG) during June 2014.
- We also welcome the following new faculty members who have joined us during this period:
- Dr. S. K. Agarwal has joined as a Professor in the department of Mechanical Engineering on June 23, 2014.
- Mr. G. N. S. Harsha has joined as an Assistant Professor (G-1) in the department of Electronics & Communication Engineering on July 29, 2014.



**DEQUINOX-2014 –
University Cultural
Fest organised
during February
27- March 01, 2014.**

Students' Activities

- Sourabh Shrivastava, research scholar of CSE Department has been awarded by "Fellowship for Training of Young Scientist" of M.P. Council of Science & Technology at 29th M. P. Young Scientist Congress held during February 28-March 1, 2014.
- Student Branch of Computer Society of India, has organized following events during this period and more than 1600 students have participated in these events-

KODEATHON 14.1	February 01, 2014
TYPOLYMPICS	February 04, 2014
Oblivion LAN Gaming Event	February 09, 2014
Pictionary!	February 12, 2014
Completive Programming Workshop	February 15-17, 2014
Desktop Setting	March 27, 2014
Workshop (STL)	March 29-30, 2014
Workshop-Website Making	April 11-13, 2014
Treasure Hunt	April 17, 2014
After Effects workshop	April 25, 2014
Summer Hacks	June-July, 2014
- Three students of B. Tech. (CSE) namely Naina Saxena, Tanvi Gupta and Venus Gupta have joined the University of Florida, Gainesville, USA for the completion of the B. Tech.(CSE) VIII Sem, under credit transfer scheme.
- Param Tripathi & Shashank Garg (2010-2014 batch) students of Mechanical Engineering have joined the University of Oklahoma Norman, USA for MS programme.
- DEXTRA-2014, a National level technical fest organized by the Department of ECE under the banner of ISF, IETE on April 19-21, 2014.
- Vasundhara, Ph.D. Scholar and Gaurav Singh, M.Tech Scholar from IIT, Bhubaneswar visited the Department of ECE for one month research training during May 2014.

JUET Youth Club (JYC)

Following events were organized by the different wings of JYC during the period February 01-July 31, 2014.

- University Table Tennis league January 16, 2014
- University Cricket league January 19, 2014
- DEQUINOX 2014 : University Cultural fest February 27 to March 1 2014
- Release of Observer Vol.2 February 15, 2014
- Hindi Play `Jaane bhi do Yaaro` April 19, 2014
- English Play `Pygmalion` April 26, 2014
- Adios 2014 - Farewell party May 10, 2014
- University magazine Vartika - Vol. 7 May 10, 2014 (e-version)

TRAINING & PLACEMENT ACTIVITIES

- More than 280 students in B.Tech have been offered placement by following companies - Accenture , APAC Sourcing, Brigdecon Infra, Cognizant Tech, Continental, E & Y, Ericsson, Family RO Purifier Limited, Indian Air Force, Indian Navy, Infosys , JMC, Maruti, NIRMA Cement, NTT DATA, RNB Cements, S&P Capital IQ, Sobha Developers, Syntel, TCS, Wipro, Yamaha Motor.
- Total 48 students from Diploma have been offered placement by companies like Argakhachi Cements, Nepal, Century Cements, J. K. Lakshmi Cement, Jaypee Cements , Jaypee Power , JMC Construction, NIRMA Group, Orisa Cements Ltd., RNB Cements, Shree Cement.

JUET Faculty Club

- Few carpets have been donated to the students of "Aacharya Vachaspati Shukla Sanskrit Ved Vidyalya, Aawan", by voluntarily contribution of many faculty and staff members on February 09, 2014.