

NEWSLETTER

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VISION

To build a vibrant multicultural learning environment founded on value based academic principles, wherein all involved shall contribute effectively, efficiently and responsibly to the nation and global community.

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राष्ट्रीय प्रौद्योगिकी संस्थान, हमीरपुर (हि० प्र०)
NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P.)

www.nith.ac.in



From Director's Desk



Prof. Rajnish Shrivastava

The platform of this newsletter is significant in a way that it gives me an opportunity to connect with everyone who is directly or indirectly associated and contributing to the growth of NIT Hamirpur. Last few months had been prodigious for this Institute in a sense that the Institute had been a host to some remarkably exceptional personalities who had contributed much to the overall growth of this country. The institute organized some very phenomenal training programs under TEQIP-II especially tailored to suit the needs of faculty members of engineering Institutions in the country. The whole endeavor of the institute is pivoted around the spirit of contributing to the improvisation of higher education in a systematic and comprehensive way. I am contended that the Faculty members are contributing to their fullest potential.

This academic session we commenced a new UG program in Chemical Engineering discipline thus making the education imparted at this NIT more versatile and distinct. I wish that the pedagogy of this program may reach standards of global acceptance and the product of this program may establish newer horizons of professionalism and competence.

The Institute is now expanding its facets and is coming out of its shell of traditional methodology of contributing to the nation. A worth sharing snippet is that we have added another feather in our cap by becoming first amongst all NITs to be designated as RuTAG Center (A government of India initiative for uplifting life of rural India) by the office of Principal scientific Advisor to Govt. of India. I envisage that this center shall be contributing to rural India especially in this hilly state of Himachal in a big way in times to come.

This part of the Indian calendar year is full of jubilation on account of many festivals that are to be celebrated. These festivals invigorate us and prepare us to strive for reaching the pinnacles of glorious achievements. I sincerely convey my wishes for this festivity period and wish for wellbeing of every being in NIT Hamirpur and academia.

Wish you all a very happy and prosperous Deepawali

Prof Rajnish Shrivastava

The sixth convocation of NIT Hamirpur



RuTAG Meet

The sixth convocation of NIT Hamirpur concluded on 13th of June 2013. At this most pious academic ceremony Professor D K Bandyopadhyaya Vice Chancellor GGSIPU Delhi signed the scroll of degree in capacity of Chairman Board of Governors NIT Hamirpur. Professor Rajnish Shrivastava, Director NIT Hamirpur conferred the degree to all successful candidates.

It was a matter of great pride that Principal Scientific Advisor to Govt. of India Dr. R Chidambaram delivered the convocation address to degree recipients. At this occasion 548 degree(s) were awarded, 263 candidates received degree in person and 285 in absentia. 13 candidates were awarded Doctor of Philosophy, 139 candidates were awarded Master's degree, 26 candidates received MBA degree and 370 candidates were awarded Bachelor's degree.

RuTAG at NIT Hamirpur

NIT Hamirpur has become first amongst all NITs to establish RuTAG center with the support of office of

Principal Scientific Advisor to Govt. of India. This center will work towards the upliftment of people living in rural areas with sustainable technologies especially developed for rural mass. This centre would be first of its kind which would be fully devoted to solving problem of rural area. The centre would work under the flagship of Prof. Rajnish Shrivastava, Director NIT Hamirpur. Three co ordinators have also been appointed for smooth functioning of this centre.

Ceremonies and Celebrations



Independence Day Celebrations

The 67th Independence day of India was celebrated with full enthusiasm and fervor of patriotism at NIT hamirpur on 15th August 2013. At this auspicious occasion Director-In-Charge Professor Rakesh Sehgal unfurled the tricolor. In his inspiring speech Prof. Sehgal touched some very important aspects of freedom movement and urged the students to understand its importance and sanctity.

Hindi Diwas Celebrations

Hindi Saptah (Week) was celebrated at NIT hamirpur from 7-14th September 2013. On 13th September the annual Hindi magazine “TRISHUL” was released by Professor Rajnish Shrivastava, Director NIT Hamirpur with other officials. At this occasion Professor Shrivastava in his prolific speech extolled about the virtues of this language and called for promotion of the language in day to day working of the Institute.

NIT Hamirpur organizes Inter University Badminton Championship

Inter Technology University Sports Association (ITUSA) and NIT Hamirpur organized Badminton Championship (Boys & Girls) of Northern Region on 4th & 5th October 2013. Teams from various NITs of northern region, PEC Chandigarh and Thapar University Patiala participated in the event. The Boys Team event was won by NIT Hamirpur. Mr. Vedant Kumar student of Mechanical Engineering was instrumental for this win by performing extraordinarily during this event.





Publications in International Journals of Repute

S. No.	Authors	Title	Journal (With issue, page no etc.)	Publisher
1	S.P. Guleria and R.K. Dutta	Study of flexural strength and leachate analysis of fly ash-lime-gypsum composite mixed with treated tirechips	KSCE Journal of Civil Engineering, 17(4), 662-673.	Springer
2	Pushpender Kumar and Narottam Chand	Clustering in Wireless Multimedia Sensor Networks Using Spectral Graph Partitioning	International Journal of Communications, Network and System Sciences, Vol. 6, No. 3, pp. 128-133, 2013	Scientific Research
3	Rajeev Singh and T.P. Sharma	A Secure WLAN Authentication Scheme	Transactions on Smart Processing and Computing	IEE, Korea
4	Kulwardhan Singh and T. P. Sharma,	REDD: Reliable Energy-Efficient Data Dissemination in Wireless Sensor Networks with Multiple Mobile Sinks	World Academy of Science, Engineering and Technology	WASET
5	Varun Gupta, Durg Singh Chauhan and Kamlesh Dutta	Incremental development & revolutions of E-learning software systems in education sector: a case study approach,	Journal of Human-centric Computing and Information Sciences, May 2013, 3:8 doi:10.1186/2192-1962-3-8,	Springer-Verlag
6	Prashant Kumar Tiwari and Yog Raj Sood	An Efficient approach for optimal Allocation and Parameters Determination of TCSC with Investment Cost Recovery under Competitive Power Market	IEEE Transactions of Power System, paper ID: TPWRS-00348-2012, Vol. 28, No. 3, August 2013, pp.2475-2484.	IEEE Transactions
7	Naveen Kumar Sharma, Prashant Kumar Tiwari and Yog Raj Sood	Assessment of Indian Competitive Power Market Availability, Demand and Shortage	Electrical India, vol. 53, issue 8, August 2013	Electrical India
8	Amita Nandal, T. Vigneswaran and Ashwani K. Rana	An efficient design of full Adder using testable reversible gate	Vol. 20, No. 5, May 2013, SCI, IF-0.267	WIJ, Austria



9	AD Thakur, J N Sharma and YD Sharma	Disturbance due to point loads in a piezo-thermoelastic continuum,	J.Thermal Stresses, 36, 259-283, 2013.	Taylor & Francis
10	J N Sharma and Ramandeep Kaur	Analysis of forced vibrations in micro-scale anisotropic thermoelastic beams due to concentrated loads,	J.Thermal Stresses, 2013 (Accepted).	Taylor & Francis
11	Nirmal Singh, Rakesh Sehgal and Vishal Sharma	Effect of tempering after cryogenic treatment of tungsten carbide-cobalt bounded inserts	Bulletin of Materials Science, Ms. No. BOMS-D-12-00195R1.	Springer
12	U.C Jha and Sunand Kumar	Effect of TQM on Customer Satisfaction In Indian Manufacturing Industry	Review of Business and Technology Research, Vol. 9, No. 1, 2013, pp 171-179. ISSN 1941-9414	MTMI, USA
13	Poonam Tanwar, T. V. Prasad and Kamlesh Dutta	Hybrid technique for effective knowledge representation, Advances in Computing and Information Technology	Advances in Intelligent Systems and Computing, Vol. 178, 2013, pp 33-43	Springer

Publications in International / National Conferences

- ◆ Dutta R.K., Khatri V.N. and Venkataraman G, “Compaction and CBR behaviour of clay reinforced with CCl₄ treated coir fibres,” in International Conference on Intelligent Society in Pursuit of Advances of Civil Engineering, Gurgaon, India, 4-5th March, 2013.
- ◆ Dutta R.K., Khatri V.N. and Venkataraman G, “Compaction and CBR behaviour of clay reinforced with NaOH treated coir fibres,” in National conference on Geotechnical and Geoenvironmental Aspects of Wastes and Their Utilization in Infrastructure Projects, Ludhiana, India, 15-16th February, 2013.
- ◆ Dubey R. and Kumar P, “An empirical approach for the optimization of fly ash content in self-consolidating concrete” in 5th North American Conference on Design and Use of Self Compacting Concrete, (SCC 2013), Chicago, USA, 12-15th May, 2013.
- ◆ Kumar P. and Dubey R, “Influence of superplasticizer dosages on fresh properties of self-consolidating concrete”, in 5th North American Conference on Design and Use of Self Compacting Concrete, (SCC 2013), Chicago, USA, 12-15th May, 2013.
- ◆ Dharmendra, “Harness of rainwater needs for today and tomorrow” in National Conference on Environmental sustainability and society, Growing Paradigm (ESS-2013), 30-31st March, 2013.
- ◆ Gautam G., Dharmendra and Gandhi S, “Waste to energy recovery from urban solid waste – a case study for Delhi city” in National Conference on Environmental Sustainability and Society, The Growing Paradigm (ESS-2013), 30-31st March, 2013.



- ◆ Gupta A, “Workability of Fiber reinforced self-compacting concrete”, Proc. of UKIERI Concrete Congress: Innovations in Concrete Construction, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab, India, 5-8th March, 2013.
- ◆ Chand N, “Energy efficient cooperative caching in WSN,” in International Conference on Computer and Communication Networks Engineering (ICCCNE), pp. 674-679, Germany, May 2013.
- ◆ Singh R. and Sharma T.P, “A sequence number based WLAN authentication scheme for reducing the MIC field overhead”, in International Conference on Computer and Communication Technologies (WOCN'13), 26-28 July, 2013.
- ◆ Singh R. and Sharma T.P, “A key refreshing technique to reduce 4-way handshake latency in 802.11i based networks”, in International Conference on Computer and Communication Technologies (ICCCT'13), 20-22nd September, 2013.
- ◆ Singh K. and Sharma T.P, “Reliable energy-efficient data dissemination (REDD) in wireless sensor network”, in International Conference on Computer Networks and Systems Security (ICCNSS 2013), New York, USA, 05-06th June, 2013.
- ◆ Chandra P., Pandey K.S. and Chauhan S, “An energy aware dispatch scheme for WSNs” in International Conference on Computer, Communication and Information Sciences and Engineering (ICCCISE-2013), Paris, 27-28th June, 2013.
- ◆ Uttam V. and Gupta N, “Clustering in WSN based on minimum spanning tree using divide and conquer approach” in International Conference on Electrical, Computer, Electronics and Communication (ICECECE-2013), London UK, pp. 851-855, July, 2013.
- ◆ Dubey B.B. and Chauhan N, “ZSDMAC: zone sensing directional MAC protocol for vehicular Ad Hoc networks” in International Conference on Electrical, Computer, Electronics and Communication (ICECECE-2013), London UK, pp. 851-855, July, 2013.
- ◆ Kumar A. and Kumar R, “Selective forwarding attack and its detection algorithms: A review” in International Conference on Electrical, Computer, Electronics and Communication (ICECECE-2013), London UK, pp. 851-855, July, 2013.
- ◆ Sharma N.K. and Sood Y.R, “Optimal location and rating of wind power generator with maximization of social welfare in competitive electricity market” in IEEE Power & Energy Society (PES) General Meeting, Vancouver, B C, Canada, 21 - 25th July, 2013.
- ◆ Kumar S. and Sharma B.B, “Formation control of multi-vehicle systems using PID like consensus algorithm” in International Conference on Advances in Electronics, Electrical and Computer Engineering, Shivalik College of Engineering Dehradun, 22-23rd June, 2013.
- ◆ Soni S.K, “Energy efficient clustering and data aggregation in wireless sensor networks” in International Conference on Computer and Communication Networks Engineering (ICCCNE 2013), Berlin, Germany, Issue 77, pp. 868-874, May 2013.
- ◆ Kumar A. and Kumar V, “Fuzzy logic based improved range free localization for wireless sensor networks,” in International Conference on Computer and Communication Networks Engineering (ICCCNE 2013), Berlin, Germany, issue 77, pp. 886-894, May 2013.
- ◆ Keshari A.K. and Khanna G, “Characterization and analysis of fully depleted SOI MOSFET,” in Proceeding of International Conference on Electrical, Electronics and Computer Science Engg. (ICEECS) Dehradun, Uttarakhand, 21-24th June, 2013.



- ◆ Sharma R. and Goswami A, “A robust approach for construction of irregular LDPC codes”, in FTEE-2013, Thailand, Bangkok, 13-14th July, 2013.
- ◆ Rana A. and Priyadarshi P, “Impact of radiation on MOSFET in nano regime”, in FTEE-2013, Thailand, Bangkok, 13-14th July, 2013.
- ◆ Rathore R.S., Kumar V. and Pundir H, “A low-power sample-and-hold amplifier using 0.05- μ m CMOS technology”, in FTEE-2013, Thailand, Bangkok, 13-14th July, 2013.
- ◆ Sehgal R. and Sharma M.D, “Influence of machining parameters on main cutting force and surface roughness during turning of AISI A2 steel alloy”, published in the proceedings of Clute Institute International Academic Conference Paris, France, Paper ID No. ENG-294., 9-11th June, 2013.
- ◆ Kumar S, “Effect of TQM on customer satisfaction in Indian manufacturing industry” at annual MTMI in International Conference on Global issues in Business Technology, Virginia, United States of America, 20-21st September, 2013.

Foreign Visits & Program Attended

- ◆ Dr. Pradeep Kumar visited Chicago, USA, to attend 5th North American Conference on “Design and use of self compacting concrete” held on 12-15th May, 2013.
- ◆ Prof. R. S. Banshtu attended “Davos atmospheric and cryospheric assembly (DACA)-2013”, from: 8- 12th July, 2013 at Davos, Switzerland.
- ◆ Sh. Chander Prakash attended International Conference “Davos atmospheric and cryospheric assembly 2013 DACA-2013” from 8- 12th July, 2013 at Davos, Switzerland.
- ◆ Prof. Sushil Chauhan & Sh.Rajesh Kumar attended a three day training program on “Best practices in power system operation & economics” at Engineering staff college, Hyderabad 12-14th August, 2013.
- ◆ Prof. Sushil Chauhan attended two day workshop on “Outcome based accreditation and education” NIT, Surathkal 23-24th August, 2013 .
- ◆ Dr. Bharat Bhushan Sharma attended National Workshop on “ Promoting excellence in research among NITs through e-journals” organized by NIT Warangal (AP) at Warangal, 12-13th July, 2013.
- ◆ Dr. Bharat Bhushan Sharma attended 43rd ISTE Section Faculty Convention organized by Rayat-Bahra College of Engineering and Nano-Technology for Women, Hoshiarpur, Punjab, 26-27th July, 2013.
- ◆ Dr Ravinder Nath and Dr. Ashwani Chandel attended STC on “Condition monitoring & health assessment of power” at ERDA Vadodara Gujrat 30-31st July, 2013.
- ◆ Dr. R K Jarial & Dr. O.P. Rahi attended STC on “Preparation of specifications, laying of LT, HT and power cables and their condition” at ESIC Hyderabad under TEQIP-II, 27-30th Aug., 2013.
- ◆ Dr. S. Soni visited Berlin, Germany to attend International Conference on Computer and Communication Networks Engineering (ICCCNE 2013), 18-25th May, 2013 .
- ◆ Dr. Ashok Kumar visited Berlin, Germany to attend and present paper on “Fuzzy logic based Improved range free localization for wireless sensor networks” in International Conference on Computer and Communication Networks Engineering (ICCCNE 2013), 18-25th May, 2013.
- ◆ Dr. Ashwani Rana, Mr. Vinod Sharma and Mr. Rakesh Sharma presented technical paper in FTEE 2013 at Bangkok, Thailand, 13-14th July, 2013.
- ◆ Er. Rakesh Sharma attended FDP on “Linux system administration” at ESCI Hyderabad, under TEQIP-II, 26-29th August, 2013.



- ◆ Prof. J. N. Sharma presented a paper entitled “Free vibration analysis in axisymmetric functionally graded thermoelastic sphere”, in the 10th International Congress held at Nanjing University of Technology, Nanjing China, 31 May -4 June, 2013.
- ◆ Dr. P. K. Sharma presented a paper entitled “In plane vibrations in clamped thermoelastic solid disks”, in the 10th International Congress held at Nanjing University of Technology, Nanjing China, 31 May -4 June, 2013.
- ◆ Dr R. K. Vats presented a paper “Triple fixed point theorems via a-series in partially ordered metric sets” in the International Conference held at Abant Izzet Baysal University, Bolu, Turkey.
- ◆ Dr. (Mrs.) Kamlesh Dutta attended workshop on “Awareness of cloud computing” at Engineering Staff College of India, Hyderabad, 01-03rd Aug., 2013.
- ◆ Er. Siddhartha Chauhan attended workshop on “Mail server administration” at Engineering Staff College of India, Hyderabad, 18-20th Sept., 2013.
- ◆ Dr. Naveen Chauhan attended workshop on “Data communication for power sector” at Engineering Staff College of India, Hyderabad, 23-27th Sept., 2013.
- ◆ Er. Rajeev Kumar attended workshop on “Data communication for power sector” at Engineering Staff College of India, Hyderabad, 23-27th Sept., 2013.
- ◆ Er. Nitin Gupta attended School on “Advance algorithms” at IITDM Jabalpur sponsored by IMPECS Germany, 11-14th June, 2013.
- ◆ Er. Nitin Gupta attended workshop on “Linux server administration ” at Engineering Staff College of India, Hyderabad, 26-29th Aug., 2013.
- ◆ Er Pardeep Singh attended workshop on “Linux server administration” at Engineering Staff College of India, Hyderabad, 26-29th Aug., 2013.
- ◆ Prof. Sunand Kumar attended annual MTMI International Conference on “Global issues in business technology” at Virginia Beach Resort Hotel, 2800 Shore Drive, Virginia Beach, Virginia, United States of America, 20-21st Sept., 2013.
- ◆ Prof. R. K. Dutta attended training programme “Current requirements in environmental impact assesment (EIA) process and procedure” as per MOEF Guidelines, Engineering Staff College of India, Hyderabad, 12-14th Aug., 2013.
- ◆ Dr. Pradeep Kumar attended 5 days STC on “Leakage and water proofing of buildings” at Engineering Staff College of India Hyderabad, 16-20th Sept., 2013.
- ◆ Dr. U. K. Pandey attended STTP at ESCI Hyderabad on “Leakages and water proofing treatment in buildings” 16-20th Sept., 2013.

Awards, Recognitions & Milestones Achieved

- ◆ Dr. Narottam Chand chaired a technical session in International Conference on Computer and Communication Networks Engineering (ICCCNE), Berlin, Germany, 22-23rd May, 2013.
- ◆ Dr. Kamlesh Dutta appointed as member of the committee “Building IPv6 talent pool through training: development of standardized IPv6 training certified courses” constituted by the Ministry of Communications & IT, Department of Telecommunications.
- ◆ Prof. Sunand Kumar chaired a session at annual MTMI International Conference on Global Issues in Business Technology, Virginia, United States of America, 20-21st Sept., 2013.
- ◆ Dr. Bharat Bhushan Sharma received ISTE section chapter level “Best Teacher Award” for year 2013 on 26th July, 2013 during 43rd ISTE Section Faculty Convention, organized by Rayat-Bahra College of Engineering and Nano-Technology for Women, Hoshiarpur, Punjab.
- ◆ Dr. Surender Soni completed Ph.D on topic, “Enhancing lifetime of wireless sensor networks using energy



Efficient Protocols,” in June, 2013 from NIT Hamirpur HP.

- ◆ Dr. Ashok Kumar completed Ph.D on topic, “Localization and location aware protocols for wireless sensor networks,” in June, 2013 from NIT Hamirpur HP.
- ◆ Prof. Rakesh Sehgal received 'Best Paper Award' for paper “Influence of machining parameters on main cutting force and surface roughness during turning of AISI A2 steel alloy in the International Academic Conference Paris, France, 9-11th June, 2013.

Conferences/ Workshops/ STCs Conducted

- ◆ Dr. Raman Parti conducted 3-Day training course on “DPR preparation and quality assurance for rural roads” for HPPWD engineers under NRRDS and NITH during 29-31st Aug., 2013 at NIT Hamirpur.
- ◆ Dr. Pradeep Kumar organized 3-Day workshop on “Universal human values” for faculty of NIT Hamirpur, under TEQIP-II during 27-29th Sept., 2013 at NIT Hamirpur.
- ◆ Dr. V. K. Bansal organized STC on “Computational methods in engineering” from 13-17th May, 2013 sponsored by TEQIP- II for faculty from Engineering College.
- ◆ Dr. H. K. Vinayak organized workshop on “Rapid visual survey format for structural and non-structural elements in schools of Himachal Pradesh” for SSA Engineering under National School Safety Programme at N.I.T. Hamirpur, from 1-2nd May, 2013.
- ◆ Sh. Chander Prakash conducted four days training program for SJVNL engineers on “ Surveying with total station & data interpretation” from 30th May to 2nd June, 2013.
- ◆ A one week STC on “Recent trends in VLSI & communication systems (RTVCS-13)” was organized by E&CE department from 10-14th June, 2013 under TEQIP-II. More than 25 participant attended the STC.. The resource persons were Prof. S.S. Pattnaik from NITTTR Chandigarh and Prof. J.S. Sahambi, from IIT Ropar.
- ◆ E&CE department organized a STC on “Development in VLSI devices and technology (DiVDAT-13)” under TEQIP-II from 24-28th June, 2013. The main resource persons were Sh. H.S. Jatana from SCL Mohali, Dr. Brajesh Kumar from IIT Roorkee and Dr. Rohit Sharma IIT Ropar.
- ◆ E&CE department organized a national workshop on “VLSI design and automation techniques(VDAT-2013)” from 1-3rd July, 2013 under TEQIP-II. Prof. M.J. Kumar from IIT Delhi was the main expert for the workshop.
- ◆ Induction training programme on “Effective teaching learning process (ETLP-13)” was organized for the internal faculty of the institute on 3-4th August, 2013 under TEQIP-II. The resource person were Prof. Yoginder Verma, Pro Vice-Chancellor HP Technical University and Dr. Vinod K. Sanwal, Gautam Budha University, Greater Noida.
- ◆ Department of Mathematics has organized one “National conference on advances in mathematics & its applications (AMA-2013)” during 25-27th June, 2013. In this conference, more than fifty five research papers were presented and eight invited lectures have been delivered by the experts to the participants.

Expert Lectures Delivered

- ◆ Prof. Rakesh Sehgal delivered an expert lecture on the topic “General research methodologies & research initiatives in tribology” during TEQIP-II Workshop on Research Methodologies, UIET, Panjab University, Chandigarh on 13th July, 2013.
- ◆ Dr. R K Dutta delivered a lecture on “Alternate low cost materials for low volume roads” in the course on “DPR Preparation and Quality Assurance for Rural Roads: under NRRDA and NIT Hamirpur during 29-31st Aug., 2013, 5-7th Sept., 2013 and 12-14th Sept., 2013.
- ◆ Dr. Pradeep Kumar delivered series of lectures on Visual rapid Screening Codal Provisions, Retrofitting



of structures codal Provisions, and Techniques of Retrofitting of structures during 3 day training Programme organized for SSA engineers in Rapid Visual screening, non structural Mitigation measures and retrofitting of structures during 29-31st March, 2013 at NIT Hamirpur HP.

- ◆ Dr. Pradeep Kumar delivered lecture under the aegis of rotary club on “Learning disasters and disaster mitigation” at DC Office Hamirpur for Public Awareness on 31st Aug., 2013.
- ◆ Dr. Ankit Gupta delivered expert lectures to SSA Engineers on “Non structural mitigation measures and retrofitting techniques” in training course on RVS, NSMM and Retrofitting Techniques under National School Safety Programme by HP State Disaster Management Authority during 15-17th March and 29-31st March, 2013.
- ◆ Dr. Ankit Gupta delivered expert lectures to HP PWD Engineers on “Pavement material testing and quality control” in training course on DPR Preparation and Quality Assurance for Rural Roads under NRRDA and NIT Hamirpur during 29-31st Aug. and 5-7th Sept., 2013.
- ◆ Dr. Kamlesh Dutta delivered an expert talk on “Website testing: Issues and challenges” and “Website testing tools and techniques” in training programme on Building Dynamic websites and Testing, JNJEC Sundernagar 6-7th April, 2013 under TEQIP-II
- ◆ Dr. Kamlesh Dutta delivered an expert talk on “Analyzing IP and ICMP header” and “Software vulnerability issues in Security” in STP on “Recent advances in computer networks and information security” 8-12th July, 2013 organized by NIT Jalandhar under TEQIP-II
- ◆ Dr. Kamlesh Dutta delivered an expert talk on “Genetic algorithm” and “Next generation protocol: IPv6” in STP on “Emerging trends in physics and information technology” 10-14th June, 2013 organized by NIT Jalandhar under TEQIP-II
- ◆ Er. Siddhartha Chauhan delivered an expert lecture on “Security in internet” at Govt. Degree College Hamirpur on 2nd June, 2013.
- ◆ Er. Arvind Dixit, Director Advance Technology Chandigarh delivered an expert lecture on “Emerging trends in embedded system design,” and was organized under Industry-Institute interaction scheme of TEQIP-II for students of B.Tech and M.Tech E&CE Department on 16th April, 2013.

Books Published / Course Material Developed

- ◆ Dr. RK Jarial has edited one book on PROBLEMS and SOLUTIONS in ELECTRIC MACHINERY. This book is based on Numerical Solutions to the unsolved numerical problems given in famous Book on Electric Machinery by A.E. Fitzgerald, Charles Kingsley Jr. and Stephens D. Umans (McGraw Hill Education Pvt. Ltd., Delhi) as Sp. Indian Edition in May/June 2013.

Upcoming Activities

- ◆ Winter School On Mobile and Distributed Systems: Theory and Challenges, 2-6th Dec., 2013.
- ◆ 40th National Conference on Fluid Mechanics and Fluid Power, 12-14th Dec., 2013.
- ◆ STTP on Renewable Energy on Sustainable Development and Environment 2-6th Dec., 2013.
- ◆ STC on Communication Networks 16-20th Dec., 2013.
- ◆ STTP on Digital Signal Processing with Applications using MATLAB (DSPAM) 23-27 Dec., 2013.



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NATIONAL INSTITUTE OF TECHNOLOGY

HAMIRPUR (H.P)-177005

Phone : 01972-222308, 254010 Fax : 01972-223834

E-mail : director@nith.ac.in

**The Editorial Board Wishes You A
Very Happy And Prosperous Deepawali**

