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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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From Director's Desk

NIT Hamirpur has undergone development in leaps and bounds in all spheres viz. infrastructure, buildings, auditorium, library, departments, playfields, student hostels, staff and faculty residences. The works of health centre, two blocks of Mega hostel and trainees hostel are now accomplished. Landscaping in front of the Administrative block and works of parking complex, Applied Science department, faculty and staff residences are being carried out on full swing.

Furthermore, I envision seeing NIT Hamirpur excel in the sphere of academics and research. This is essential to usher

in a brand name for the institute. The best and industry oriented curriculum is the need of the hour. For the same, curriculum workshops have been conducted in all the departments recently. We ought to compete with our best counterparts (IITs and NITs) in the country as well technical institutes abroad. High level of academic excellence shall bring NIT Hamirpur national as well as global recognition. We aim to see NIT Hamirpur excel in all fields of engineering and science. Sincere efforts shall be put forth to achieve highest possible academic and research excellence in near future.

Academically NITH is excelling and has been awarded AICTE NBA accreditation to four of the M.Tech. Degree programmes. Besides these, five B.Tech. Degree programmes are also accredited by AICTE NBA. There are ample opportunities for academic interactions with other institutes and industry, as a number of MoUs have been signed. NIT Hamirpur is one of the few institutes of national importance in India and is known for many accomplishments, disseminating high quality scientific and technical education in the region and consultancy services being provided to different organizations.

At NIT Hamirpur the students enjoy academic environment as well as get a number of platforms to showcase and enhance their talents. NITH has been beaming with activities and events of the students during last few months viz. annual cultural fest Hill'ffair, annual tech fest NIMBUS, Sports Fest, etc. Our Faculty is whole-heartedly involved in putting their best efforts for continuous education and academic brilliance of students by conducting various workshops and training programmes.

This issue of 'Institute Newsletter' highlights a wide range of academic, research, continuing education events and students' activities the institution has undertaken during the last couple of months. I appreciate the sincere efforts of Dr.(Mrs.) Rajeevan Chandel and her team in bringing out this issue of Institute Newsletter. Furthermore, our website www.nith.ac.in is rich of information and resources and all readers may kindly go through it for further details.

Jai Hind

Rajnish Shrivastava



Prof. Rajnish Shrivastava, Director

*NIT Hamirpur HP
has provided
26 Years of Service to the
Nation from 1986 onwards*

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Hill'ffair- Annual Cultural Festival



hill'ffair
 INAUGURATED BY: Prof. Rajnish Shrivastava (Director)
 11 - 13 th November 2011



NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR (HP)

Little gems of
Hill'ffair 2011



Hill'ffair-2011 with the theme Passion Reignited was celebrated from 11-13 Nov 2011. The annual Cultural Fest was inaugurated by Prof. Rajnish Shrivastava, Director NIT Hamirpur. The best presented bouquet too contains a careful selection of the choicest of flowers. Our hamper of cultural extravaganza has the best sort of performances from the wild and roaring Demonic Resurrection to the hilarious Rivaldo. So everyone had to fasten his seat belts as Hill'ffair-2011 roared to take off and land in the clouds of fun, frolic and enjoyment along with the stars which rarely touch the ground. The main events were Fash-P, Adam n Eve, Battle of Bands (Rebel Fest) and DJ-nite. There were marvelous performances by students of NIT Hamirpur as well as the teams from other Institutes.



12-13 Feb., 2012

Workshop on MVC architecture to work on enterprise application with live demo and concept of Software Engineering to work on Software Project Expert was conducted by team from TCS comprising Er. Hitesh Rangra and Er. Ishan Arora during 13-14 Feb, 2012. The workshop was attended by the students and faculty of CSE Department. Coordinator: Dr. Kamlesh Dutta, Head CSED NIT Hamirpur.

Mason Training workshops in association with ACC and were organized on 14th & 25th Feb, 2012 and 2nd March, 2012. Organizers: Dr. H.K. Vinayak, Dr. Raman Parti and Dr. R.K. Dutta.

Annual Tech Fest-NIMBUS, Short Term Courses, Workshops

Inaugurated nimbus-2012

15 - 18. 2012



NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (HP)

NIMBUS-2012 the Annual Tech Fest of NIT Hamirpur HP



A Session during MATLAB Workshop



Glimpse of the technical session during STTP MBD-12

NIMBUS is the annual tech fest of NIT Hamirpur. NIMBUS-2012 was conducted from 15th to 18th March, 2012. It witnessed an overwhelming participation of students from across the nation.

NIMBUS-2012 has been a host to a myriad of events and activities ranging from exhibitions, workshop, guest lectures, technical events like scintillating Aero show, Planetarium, Ham radio workshop. Various sponsors viz. ACC, SJVN, IOCL, SAIL, HPPCL, Power Finance corp., HIMURJA, SBI, PNB, HPHE and others supported the event. It commenced with pre-Nimbus expert lecture on Wi-Fi by Dr. Victor Hayes from Delf University of Technology, Netherlands on 21st Feb 2012, followed by various technical events during the main event. Prof. Y.R.Sood, Dean (R&C) was chairman, NIMBUS-2012.

Dr. Sudhinder Thakur delivered an expert lecture on Nuclear Power for energy sustainability in India. Sh. Vamsi Krishna on a Hands on experience to crack CAT. Sh. Harish Bijoor, Sh. Arun Raj Subbaraj, Sh. Prayas Abhinav were the other invited experts. NIMBUS-2012 also organized live planetarium under the guidance of Dr. J. J. Rawal, President Planetary Society of India.

Workshop on MATLAB for Engineering Applications (MAT-12) was conducted under SMDP-II and Continuing Education, NIT Hamirpur HP on 22nd March 2012 for UG, PG students and Ph.D. scholars of NIT Hamirpur & limited participants from other technical institutes in Vivekanand Lecture Hall Complex of NITH. To accomplish the major projects, PG dissertations and to carry out research work, knowledge of various softwares and tools is essential. Amongst the various softwares available for achieving such a task, MATLAB is widely used. Therefore, the present Workshop was planned to accomplish such tasks. The workshop received an over whelming response and 225 participants benefited from the same. The feedback from the participants is very encouraging. Main experts for the Workshop were Prof. Y.R. Sood, Dr. Ashwani Kumar Chandel, Dr. Bharat Bhushan and Dr. Rajeevan Chandel. The main contents of the workshop were Basics of MATLAB, MATLAB Programming, Optimization Toolbox of MATLAB and Simulink. Engineering problem solutions using MATLAB and Hands-on-practice were provided to the participants. Workshop Coordinator: Dr. (Mrs.) Rajeevan Chandel.

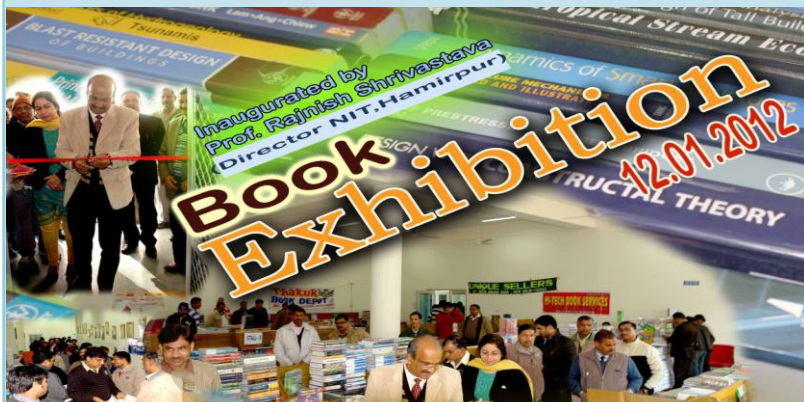
Short Term Training Programme on Microcontroller Based Designing (MBD-12) was organized under SMDP-II, Continuing Education and SPEC E&CED on 24th & 25th March 2012 for UG and PG students of NIT Hamirpur & limited participants from other technical institutes in E&CE Department, NIT Hamirpur HP.

55 participants benefited from the programme. Fundamentals of Microcontrollers, Embedded Systems, Engineering problems solution using Microcontrollers were taught to the students. Training was imparted on Proteus & Keil EDA Tools and Hands-on-Practice on tools and Microcontroller Based designing. Experts were Dr. Rajeevan Chandel, Er. Philemon Daniel, Er. V. Praveen and Er. Sudershan. SPEC team: Er. Gagnesh, Mr. Shobhit, Mr. Ashish and Mr. Dabesh. Coordinator of the Programme: Dr.(Mrs.)Rajeevan Chandel, Asso. Professor E&CE Dept. NIT Hamirpur.

Discontent is the first necessity of progress – Thomas A. Edison

Publications in International/ National Journals and Books

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- **A.S. Singha**, Vijay K Thakur, and M.K Thakur, *Green Composites From Natural Cellulosic Fibers: Eco-Friendly Green Polymer Materials, Classification, Surface Modification and Novel Applications of Natural Fibers (Book)*, Lambert Academic Publishing, Germany, 2011.
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Books Exhibition inaugurated by
Prof. Rajnish Shrivastava, Director NIT Hamirpur on 12th January 2012



An expert lecture by Dr. HK Atri, MHO on AIDS Awareness
conducted by Red Ribbon Club, NITH on 30th March 2012

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International/National Conferences

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- Dharendra Kumar and Rajeevan Chandel, "Process, voltage and temperature (PVT) analysis of different inverter circuits in 45nm technology node," *International Conference on Recent Trends of Computer Technology in Academia (ICRTCTA-2012)*, Udaipur, Rajasthan, 21-23 April 2012.
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- J. Balakrishna, Mahender Veshala, and Gagnesh Kumar, "Performance comparison on various cryptographic techniques," *International Conference on Recent Trends of Computer Technology in Academia (ICRTCTA 2012)*, 2012.
- Kamlesh Kumar Mishra, Surender Soni, and Dinesh Kumar Kotary, "Self configuring topology mechanism for distributed sensor network scenario," *Proceedings of COMMUNE CACCS 2012*, pp. 63-67, March 24-25, 2012.
- Mahender Veshala, J Balakrishna, and Gagnesh Kumar, "An optimal utilization of resources for forward error correcting decoder using BCH codes," *International Conference on Computers & Communication (ICCC-2012)*, 2012.
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Short Article on Research Directions

Research Description

by Kumar Vijay Mishra

(1999-2003 E&CE NIT Hamirpur, Pursuing PhD at Colorado State University, USA)



D3R system deployed at the Environment Canada



Mentor Graphics Award received by students in UDC-2011

The scientific understanding of the global water cycle requires detailed knowledge of vertical precipitation structure and the mesoscale physical structure of rain systems on a global scale and those can only be directly obtained by a spaceborne radar. As an integral part of the multi-nation partnership in the National Aeronautics and Space Administration (NASA) Global Precipitation Measurement (GPM) mission, Ground Validation (GV) program proposes to establish an independent global cross-validation process to characterize errors and quantify uncertainties in the precipitation measurements. A ground-based Dual-Frequency Dual-Polarized Doppler Radar (D3R) that will provide measurements at the two broadly separated frequencies is currently being developed to enable GPM ground validation, enhance understanding of the microphysical interpretation of precipitation and facilitate improvement of retrieval algorithms. Figure shows the D3R system deployed at the Environment Canada site at Egbert, Canada along with other instruments for the NASA GCPEX campaign.

As a lead engineer in D3R project, my role involves system design and development of the receiver subsystem and the signal processor. I participated in two GPM campaigns recently with the D3R radar: Midlatitude Continental Convective Clouds Experiment (MC3E) and GPM Cold-season Precipitation Experiment (GCPEX). MC3E took place during the summer of 2011 at the Department of Energy (DOE) Atmospheric Radiation Measurement (ARM) Program Southern Great Plains (SGP) Central Facility in Ponca City, Oklahoma. The goal of MC3E is to monitor and record precipitation, clouds, winds and moisture in 3D. The GCPEX was organized in early 2012 at the Environment Canada facility in Egbert, Ontario, Canada with the goal of characterizing the ability of multi-frequency measurements to detect and estimate falling snow. More details about GPM, D3R, MC3E and GCPEX are available here: <http://pmm.nasa.gov/science/ground-validation/D3R>.

Design Proposal for Transceiver System using Mentor Graphics EDA Tools received under SMDP-II, by Praveen Vijayan, Sudarshana Neekhra and Yash Agrawal, students of M.Tech. VLSI Design Automation and Techniques, E&CE Dept, NIT Hamirpur HP received 2nd Runner up (3rd place) Award amongst 192 teams from all over India in **Mentor Graphics University Design Contest (UDC-2011)**. They received a Memento and a cash prize for the same at Bangalore on 2 Dec 2011.

Expert Lectures Delivered

- **Dr. Victor Hayes**, a renowned technologist from Delf University of Technology Netherlands, delivered an expert lecture on "Wi-Fi and its Global Recognition" at NIT Hamirpur during NIMBUS 2012 on 20th Feb 2012.
- **Prof. Y.R. Sood** delivered an expert lecture on "Optimization Techniques and Toolbox in MATLAB" in Workshop on MATLAB for Engineering Applications, NIT Hamirpur, 22 March 2012. He also delivered an expert lecture on "SFRA of Power Transformers" at Ryat Behra Group of Institute, Patiala Dec 22, 2011.
- **Dr. Ashwani Kumar Chandel** delivered expert lectures on "Fundamentals of MATLAB; & MATLAB Programming" in Workshop on MATLAB for Engineering Applications, NIT Hamirpur, 22 March 2012.
- **Dr. Rajeevan Chandel** delivered an expert lecture on "Fundamentals of Microcontrollers" in STTP on Microcontroller Based Design, NIT Hamirpur, 24 March 2012.
- **Dr. Kamlesh Dutta** delivered an invited talk on "High Capacity and High Performance for e-Governance- a Case study of India" UGC sponsored national seminar on 'High Performance Computing: Design Analysis and its Applications', Jalandhar on 3rd March 2012.
- **Dr. Bharat B. Sharma** delivered an expert lecture on "Control System Engineering using MATLAB" in Workshop on MATLAB for Engineering Applications, NIT Hamirpur, 22 March 2012.
- **Dr. U.K. Pandey** delivered expert lectures on "Durability of concrete bridges" and "Codal Provision for Earthquake Resistant Design of RCC Bridges (IS-1983-2002)" at NIT Jaipur in Technical Orientation Programme for RUIDP on 26 Feb 2012.
- **Er. Philemon Daniel** delivered expert lectures on "Microcontroller Architectures and Programming" in STTP on Microcontroller Based Design, NIT Hamirpur, 24-25 March 2012.

Foreign Visits & Programmes Attended

- **Prof. J.N. Sharma** and **Prof. Y.D. Sharma** visited Budapest University, Hungary to attend International Conference on Thermal Stresses-11, 5-9 June, 2011.
- **Prof. L.K. Awasthi** presented research paper in the Int. Conf. on latest Computational Technology (ICLCT-2012), Bangkok, Thailand, 17-18 March, 2012.
- **Prof. Piar Chand** presented a research paper in the Las Vegas Int. Business & Economics Conf., Caesars Palace, Las Vegas, Nevada, USA, 10-12 Oct, 2011. He also presented a paper in the Int. Conf. ICHEG-12, Bangkok, Thailand, 17-18 March, 2012.
- **Prof. Rajnish Shrivastava**, Director NIT Hamirpur and **Dr. S.S. Katoch** presented research papers in the 27th International Conference on Solid Waste Technology and Management ICSW-12, Philadelphia, PA, USA, 11-14 March, 2012.
- **Prof. R.L. Sharma**, presented research paper in the International Conference of Experimental Fluid Mechanics, Technical University of Liberec (Czech Republic) 22-25 Nov, 2011.
- **Prof. Rakesh Sehgal**, presented paper in the Int. Tribology Conf., Hiroshima, Japan, 30 Oct-3 Nov, 2011. He also presented research paper in Int. Conf. on ICMEME-12, Bangkok, Thailand, 17-18 March, 2012.
- **Prof. Ravi Kumar Sharma**, presented research paper in the Int. Engg. Education Conference, at Caesars Place, Las Vegas, Nevada, USA, 10-12 Oct, 2011 and also attended Int. Conf. ICEES-12, Bangkok, Thailand, presented a paper, 17-18 March, 2012.
- **Prof. Sunand Kumar** presented a research Paper in the 3rd Int. Conf. on Engineering and Meta Engineering (ICEME 2012), Orlando, Florida, USA during March 25-28, 2012.
- **Prof. Vinod Kapoor** presented research paper in the Int. Conf. on Mechanical, Electronics & Mechatronics Engineering, Bangkok, Thailand, 17-18 Mar, 2012.
- **Prof. Y.R. Sood** presented research paper in Int. Conf. on Development of Renewable Energy Generation with Indian Power Sector Moving towards Deregulation, Thailand, Bangkok, March 1-5, 2012.
- **Dr. Arvind Kumar** presented paper in the Int. Conf. on Smart Nano Micro Materials and Devices, Swinburne University of Technology, Melbourne, Australia, 5-7 Dec, 2011.
- **Dr. Bharat Bhushan Sharma**, presented research paper in the Int. Technical Conf. of IEEE Region 10 TENCON-11, Inna Grand Bali Beach Hotel, Bali, Indonesia, 21-24 Nov, 2011.
- **Dr. I.P. Singh** and **Dr. Minakshi Jain**, visited Catanzaro, Italy from Dec.13-22, 2011 for a teaching assignment under MOU signed between NIT Hamirpur and the Erasmus Mundus, a body promoted by Directorate-General for Education and Culture of the European Commission.
- **Dr. Kuldeep Sharma** presented research paper in the Int. Conf. on High Energy and Nuclear Physics (ICHENP 2012), Madrid, Spain, 28-30 March, 2012.
- **Dr. Mamta Awasthi** presented a paper in the Annual Int. Conf. SEES-12, Singapore, 13-14 Feb, 2012 and also presented a paper in the Int. Summit Algae for sustainable development, IIT Delhi, 21-22 Feb, 2012.
- **Dr. Narottam Chand, Sh. K.S. Pandey, Sh. Surender Soni and Sh Ashok Kumar**, presented their research papers in the Int. Conf. on Computer and Information Engineering (ICCIE 2012), Phuket, Thailand, 12-13 March, 2012.
- **Dr. Pamita Awasthi** presented research paper in IEEE UK Sim2012 14th Int. Conf. on Modelling and Simulation, Cambridge University UK, 28-30 Mar, 2012.
- **Dr. Pawan Kumar Sharma** presented research paper in 7th WSEAS Int. Conf. on Applied and Theoretical Mechanics (Mechanics' 11), Montreux, Switzerland, 29-31 Dec, 2011.
- **Dr. Prashant Kumar** presented research paper in the International Conference on Renewable Energies and Power Quality (ICREPQ' 12), Santiago de Compostela, Spain, 28-30 March, 2012.
- **Dr. Rajiv Kumar Sharma**, presented research paper in the Int. Conf. on Manufacturing and Industrial Engineering ICMIE 2012, Singapore, 26-28 Feb., 2012.
- **Dr. Siddhartha Vashishtha**, presented research paper in the Asian Int. Conf. on Materials, Minerals and Polymer, Penag, Malaysia, 23-24 March, 2012.
- **Dr. Subhash Chand** presented research paper in Material Research Society Spring Meeting, San Francisco, California, USA, 09-13 April, 2012.
- **Dr. Suresh Dhiman and Dr. Somesh Kumar Sharma** presented research papers in the Intellectbase International Consortium, Nashville, Bangkok- Thailand, 15-17 March, 2012.
- **Dr. T.P. Sharma and Dr. Vijay S. Dogra** visited Madrid, Spain to present research papers, in Int. Conf. ICCESSE-2012 and IICCEE-2012 respectively, 28-30 March, 2012.
- **Dr. Varun and Dr. Sant Ram Chauhan**, presented research papers in Int. Conf. & Utility Exhibition 2011 on Power and Energy Systems: Issue and Prospectus for Asia, Pattaya City, Thailand, 28-30 Sep, 2011.
- **Dr. Vijay Kumar Bansal and Sh. Sunil Sharma**, presented research papers in the 2nd Int. Conf. on Automotive and Transportation Systems (ICAT'11), Montreux, Switzerland, 29-31 Dec, 2011.
- **Er. Siddhartha Chauhan** presented a research paper in IADIS International Conference on Applied Computing, Rio de Janeiro, Brazil, 6-8 Nov, 2011.
- **Er. Naveen Chauhan and Er. Rajeev Kumar** presented papers in the International Conference on Emerging Trends in Computer and Electronics Engineering (ICETCEE), Dubai, UAE, 24-25 March, 2012.
- **Er. Philemon Daniel**, presented a research paper in the 2012 Intellectbase International Consortium Academic Conf., Bangkok, Thailand, 15-17 March, 2012.
- **Er. Rakesh Sharma & Er. Vinod Kumar**, presented research papers in Int. Conf. on Commu. Engg & Tech., Kuala Lumpur, Malaysia, 21-23 Feb, 2012.

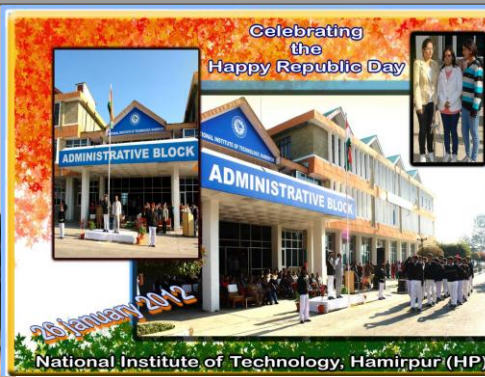
Awards & Recognition

- **Prof. Y.R. Sood** is appointed as reviewer for IEEE Transaction on Power Delivery; International Journal of Electrical Power and Energy Systems, Science Direct. He is also Member of Advisory committee of IEEE Int. Conf. Recent Advancements in Electrical, Electronics & Control Engineering", Mepco Schlenk Engineering College, Virudhunagar, Tamil Nadu, India Dec 15-17, 2011.
- **Prof. Sunand Kumar** reviewed three research papers on March 4, 2012 for the International Conference on Applied Simulation and Modeling 2012 (ASM 2012), IASTED (International Association of Science and Technology Development) Calgary, Canada.
- **Dr. Kamlesh Dutta** is appointed Member advisory Committee Int. Conference of Advanced Computer Science & Information Technology (ACSIT-2012), Member National Committee for Int. Conf. on Internet Computing and Information Communications, 2012. Dr. Dutta is Reviewer for Taylor & Francis journal of "Information Security Journal: A Global Perspective".
- **Dr. K. K. Sharma**, chaired a session, in oral and technical presentation in Int. Conf. on High Energy and Nuclear Physics, Madrid, Spain, March, 28-29, 2012.
- **Dr. Narottam Chand** chaired a technical session during International Conference on Computer and Information Engineering (ICCIE), Thailand, March 2012 and is appointed as reviewer for (i) International Journal of Wireless Networks (Springer) (ii) International Journal of Electrical and Computer Engineering (IJECE).
- **Dr. T.P. Sharma**, chaired a session of Conference on Computer, Electrical, and Systems Sciences, and Engineering (ICESSE 2012), Madrid, Spain March 28-29, 2012, Reviewer for Elsevier journal of "Systems Architecture", Wiley journal "Security and Communication Networks" and Taylor & Francis journal of "Information Security Journal: A Global Perspective".
- **Dr. Umesh Kumar Pandey** is Editor-in-chief, Bioinfo International Journal of Information Systems Engineering and Bioinfo International Journal of Optimization Theory and Applications. Selected for inclusion in the 29th Edition of Marquis Who's Who in the World, 2012.
- Research paper by **Raj Kumar Patel**, M.Tech. student EED, NIT Hamirpur, under the guidance of **Dr. Ashwani Kumar Chandel** Associate Professor EED, NIT Hamirpur, titled "Induction Motor Bearing Fault Identification using Vibration Measurement" has been awarded the Best Paper in IEEE Students' Conference on Engineering and Systems (SCES -2012) at MNNIT Allahabad.

MoU & Other Celebrations



MoU is signed between NIT Hamirpur & Erasmus Mundus, a body promoted by Directorate-General for Education & Culture of the European Commission for Masters.



Republic Day Celebrations at National Institute of Technology Hamirpur, 26th January 2012. Prof. Rajnish Shrivastava, Director presided over the same.



Annual Sports meet & Prize Distribution, NIT Hamirpur was held on March 23-24, 2012. Prof V.K. Sarda was the Chief Guest.

Farewell was bidden to Sh. Babu Ram, Driver, NIT Hamirpur after successful completion of his services to NIT Hamirpur on March 30, 2012. The services rendered by him are duly acknowledged by all at NIT Hamirpur HP and wish him the best of health and happiness for his life ahead after superannuation.

New Faculty, New Projects Awarded

- **Dr. Indrajit Ghosh** joined in February 2012, as Assistant Professor in Civil Engineering Department NIT Hamirpur.
 - **Er. Nitin Gupta** joined in March 2012, as Assistant Professor in Electrical Engineering Department, NIT Hamirpur.
 - **Dr. Madhu Kumari** joined in March 2012, as Assistant Professor in Computer Science Engineering Department, NIT Hamirpur.
 - **Er. Anshul Agarwal** joined in March 2012, as Assistant Professor in Electrical Engineering Department, NIT Hamirpur.
 - **Dr. Mohit Pant** joined in March 2012, as Assistant Professor in Mechanical Engineering Department, NIT Hamirpur.
- Our heartiest welcome to all on joining NITH Family!*
- **Dr. Siddhartha**, AP MED received DST Young Scientist Project of Govt. of India, titled is Investigations on development, mechanical characterization and wear performance estimation of Polymer based functionally graded materials for possible utilization as gears in small appliances, for Rs16.5lacs, 2012.

Forthcoming Programmes

- ZONASA from 13-15 April, 2012
- Brainstorming Sessions on Landslide Problems in Himachal Pradesh 28-29 April, 2012
- Convocation NIT Hamirpur, 20 May 2012

From Chief Editor's Desk

On the behalf of Editorial team, I extend heart-felt and sincere gratitude towards Hon'ble Chairman BoG, Director, Deans, Head of Departments, Coordinators, Faculty, Staffs and Students who have been associated with the current issue of Institute Newsletter. Their efforts in providing information to bring out this 1st Issue of 7th Volume, 2012 of NIT Hamirpur Newsletter are sincerely acknowledged. First short article based on research directions has been received from our Alumni- Kumar Vijay Mishra, is presented in this issue. Such short research articles are invited for next issues of NITH Newsletters.

With all the best wishes and regards to all our readers.



Dr. (Mrs.) Rajeevan Chandel
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