



### Our 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.

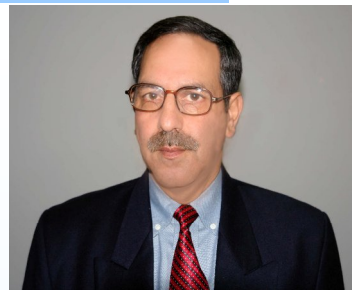
### Inside This Issue

1. From the Director's desk
2. Collaborations, Foundation stones and Inaugurations
3. Short term Training Programs for Faculty Development
4. Short term Training Programs for Community Development
5. Seminars, Workshops Conducted
6. Research Publications Journals, /Conferences
7. Expert Lectures/Keynote talks Delivered
8. Placements
9. Courses, Seminars, Training Programmes Attended
10. Rewards and Recognitions
11. Student Activities –NIMBUS
12. Silver Jubilee Celebrations
13. PRAYAS- Towards Social Upliftment
14. New Central Facilities
15. Annual athletic Meet
16. Forthcoming Programmes /Courses/Conferences/Workshops
17. From Chief Editors Desk

Silver Jubilee Year  
2010-2011

## From the Director's Desk

We entered in New Year 2010 with renewed hope of success, prosperity, peace and capacity to face bigger challenges. It brings a sense of pleasure and satisfaction to present before you the latest issue of Institute Newsletter. The newsletter provides the glimpses of efforts put in by the faculty, staff and students of NIT-H during the last 5 months. The events given in this letter yet again show that NIT Hamirpur is joining the leading institutions of the World in its endeavour to supplement the R&D, faculty development, problems concerning community, and development of professional competence. We need to craft a strategy and manage change to contribute to remain relevant and useful for institute and society as a whole



Prof. I. K. Bhat, Director

In the present context where globalization has become a reality, one needs to have greater autonomy with sense of accountability. One need to develop competence to make ethical and value added decisions and should be directed towards institutional development. During the last five months lot of programmes viz. short term courses, community development programmes viz PRAYAS -2010, workshops, national level students TECH FEST called NIMBUS-2010, Annual Athletics Meet-2010, Cultural programmes SPIC -MACAY has been organized. In order to improve the competence of the faculty of this as well as other institutions several training programmes have been organized which we believe shall help in improving the standard of technical education. On the Academic front we have signed MoUs with Centre for Snow and Avalanche study Establishment (SASE) (a laboratory of DRDO India) , C-STAR ( ISTE professional Center, Chennai) , EMC Academic Alliance, Ministry of New and Renewable Energy, Chief Architect CCBA Pune with a purpose to facilitate interface of academics with professional practice, and to develop research cooperation by conducting joint research /R&D work between these organizations and NITH. Moving ahead in this direction a Foundation Stone of Industrial Research Centre was laid on 22-01-2010. The centre will house collaborative research laboratories with industries. Recently on 21 June 2010, Hon'ble Union Minister of Steel , Govt of India , Raja Virbhadra Singh inaugurated the Information Resource Centre(Digital Library)Building. The centre will provide electronic access to bibliographic records of education literature, journal articles, books, research syntheses, conference papers, technical reports, policy papers and other education-related materials. Also on 23<sup>rd</sup> June 2010, Prof P.K Dhumal, Hon'ble Chief Minister of Himachal Pradesh laid foundation Stone of a building which will house Electronics & Communication Engineering Department and Centre of Material Science and Engineering.

I congratulate our Alumni, for their commitment towards their Alma Mate. I am sure these chapters will help the institution to stir itself in a right direction and their guidance & support shall be forthcoming. As the 25<sup>th</sup> year of existence of NIT Hamirpur is going to start soon, the institute has planned a number of activities and I earnestly request all chapters to organize at least one programme either at Chapters or at the institute.

On the occasion of New Year, I extend my heartiest good wishes to all stakeholders of technical education system-students, faculty, alumni, parents, board members and the larger community it serves. I take this opportunity to congratulate the team of Editors headed by Dr. Rajiv Kumar Sharma for their untiring effort in collecting and compiling the data without which it would have not been possible to place this newsletter in your hands and appraising all about various initiatives taken by the institution.

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## Collaborations, Foundation Stones and Inauguration



Prof I.K Bhat and Ar. Christopher Benninger signing MOU



Foundation Stone of Industrial Research Centre



Inauguration of Information Resource Centre (Digital Library)



Foundation Stone of Electronics Engineering Department and Material Science Centre

Ar. Christopher Benninger, chief Architect CCBA Pune, recipient of the Decade of the Architect award, signed MOU with the Deptt. of Architecture on March 14th 2010. Prof I.K Bhat, Director NIT Hamirpur signed the agreement on behalf of NIT, Hamirpur. The purpose of agreement is to facilitate interface of academics with professional practice, and to develop research cooperation by conducting joint research /R&D work between CCBA and NITH.

Dr A Guneja, Director Centre for Snow and Avalanche study Establishment (SASE) , a laboratory of Defence Research and Development Organization DRDO India and. Prof I.K Bhat, Director NIT Hamirpur National Institute of Technology Hamirpur signed MOU for collaboration to facilitate and develop research cooperation between SASE and NITH. Activities covered in memorandum include recognizing SASE as a centre of research by NITH, Admission /Registration of SASE scientist as per NITH Regulations, Permission to use each other laboratory, Joint research /R&D work between SASE and NITH Collaboration in any other area of mutual interest.

Dr Y.S Rajan Chairman C- Star and Prof I.K Bhat, Director NIT Hamirpur signed MoU on 5-3-10 between C-STAR, ISTE professional Center, Chennai and NIT Hamirpur in the august presence of His Excellency Dr. APJ Abdul Kalam, Former President of India for promoting research and quality in Higher education.

NIT Hamirpur signed a Memorandum of Understanding with EMC Academic Alliance. Prof. I. K. Bhat and Amit from EMC signed a MoU today in the presence of Prof. L. K. Awasthi, Head, Computer Centre at NIT Hamirpur. Under this MoU the EMC will provide training to NIT Hamirpur people on storage technologies, design issues and related solutions to students and faculty of NIT Hamirpur.

NIT Hamirpur signed a Memorandum of Understanding with Ministry of New and Renewable Energy. Under this MoU the Ministry of MNRE will help in developing the Energy & Environment Centre at NIT Hamirpur. Besides this the research students of NITH shall have excess to the Solar Energy Centre of MNRE. NITH shall support Ministry personnel involved in research activity to pursue their higher studies leading to M. Tech. & Ph.D. degrees.

The Foundation Stone of Industrial Research Centre was laid by Prof. I. K. Bhat, Director NIT Hamirpur on 22-01-2010. This will be a five storeyed building. Its basement will be used as a parking area and the remaining floors will be used for faculty rooms and workshops/labs etc.. The tentative cost for the construction of this centre will be Rs. 8 crores The centre will house collaborative research laboratories with industries Various industries have shown their interest in participating in this venture and develop new products and processes and share patents with the institute

On 23<sup>rd</sup> June 2010, Prof P.K Dhumal, Hon'ble Chief Minister of Himachal Pradesh laid foundation Stone of a building which will house Electronics & Communication Engineering Department and Centre of Material Science and Engineering.

Hon'ble Union Minister of Steel , Govt of India , Raja Virbhadr Singh inaugurated the Information Resource Centre(Digital Library)Building in NIT Campus on 21 June 2010 The centre will provide access to bibliographic records of education literature, journal articles, books, research syntheses, conference papers, technical reports, policy papers and other education-related materials.



## Short Term Training Programmes



Participants of short term course Orientation Programme for technical teachers. OPTT-2010



Hon'ble Director Prof I.K Bhat inaugurating course on Water Harvesting



Hon'ble Director with participants of PROJA-10



Short Term Training Program (STTP) on "Power Transformer Engineering & Practices"

An AICTE/MHRD sponsored short term course titled "Orientation Programme for technical teachers" was organized by NIT Hamirpur from 04<sup>th</sup> Jan-08<sup>th</sup> Jan 2010. The course was inaugurated by Dr. V.K Sharda, Prof & Dean (IRDC). About 50 participants from different institutes across the country participated in the five day course. Faculty from NIT Hamirpur delivered expert lectures on various aspects of teaching learning process, teaching strategy, evaluation, grading system etc.

Course Coordinators Prof R.K Sharma and Dr Rajesh Sharma

A training program on "Water Harvesting" was organized by Civil Engineering Department of NIT Hamirpur from 11<sup>th</sup> Jan-13<sup>th</sup> Jan 2010. The program was inaugurated by Prof I.K Bhat Director NIT Hamirpur. About 28 field engineers of IPH Divisions, H.P Govt participated in the course. Dr V.K Sharda, Dr. Raman Parti, Dr Pradeep Kumar, Dr U.K.Pandey, Dr H Vinayak, delivered expert lectures on various aspects of water harvesting, accumulating and storing. Water Supply Improvement Techniques, Water Treatment System, Water Purification etc.

Course Coordinator- Prof.V. K Sharda

Co-coordinators Dr. R S Banshtu and Dr. R R Dash

A 5-day long course on "Programming in JAVA (PROJA-10)" was organized by the Computer Centre for the students of NIT Hamirpur from April 5-9, 2010. The course was conducted in two sessions daily: one theory and one practical session. Participants were assisted by M.Tech first year students during lab sessions throughout the course. The technical sessions were conducted by Dr. (Mrs.) Kamlesh Dutta, Mr. Suneet Gupta, Mr. Avtar Singh and Mr. Vikram Dhiman and Mr. Gaurav Vashisht, Belzabar Noida. A total of 45 students attended the course.

Coordinators: Dr. (Mrs.) Kamlesh Dutta and Mr. Suneet Gupta  
Student coordinators: Tavish Vaidya and Aditya Sharma

Three days Short Term Training Program (STTP) on "Power Transformer Engineering & Practices" organized by TIFAC-CORE in Power Transformer diagnostics w.e.f. 26 Feb, 2010 to 28 Feb, 2010. The program was inaugurated by Prof I.K Bhat, Director NIT Hamirpur on 26.02. 2010 in the seminar hall Electrical Engineering. 24 students of final year electrical engineering diploma from Govt. Polytechnic College Hamirpur are attending the STTP. This programme is being organized under the aegis of TIFAC-CORE NIT Hamirpur. During the three days training programme both theoretical and practical aspects of transformer Engineering were covered along with power transformer diagnosis by Dr Sushil Chauhan, Dr Ram Naresh Sharma and Dr Veena Sharma. The program contents had been designed so that the polytechnic students benefitted by doing this course.

Program Coordinators: Prof Sushil Chauhan, Dr R. N. Sharma, Dr Veena Sharma.

Co-Coordiators: Sh Rajesh Kumar, Ms Bharati Bakshi.



## Short Term Training Programmes



Inauguration of AICTE/MHRD sponsored winter school  
Building systems for urban and rural areas

One week AICTE/MHRD sponsored winter school on the theme “intelligent building systems for urban and rural areas” was organized by the Deptt. Of Architecture, NIT Hamirpur w.e.f 22<sup>nd</sup> February to 26<sup>th</sup> February, 2010. 40 participants from the different disciplines and states across joined the course. There was an overwhelming response by the participants. The Programme was inaugurated by Director NITTR, Chandigarh Dr. Parijat Dey and presided over by the Hon’ble Director Dr. I.K Bhat. Experts from the different disciplines deliberated on the issues such as Sustainable materials and Nano technology, Concept of Intelligent Buildings or Building Intelligently designed, Simulation and Modeling tool for Buildings, Concept of Intelligent and Radiant cities. Energy conservation Building Code, LEED and GRIHA certification, Intelligent Highways, Soft skills for Building Technologies Course Coordinators Ar. I.P Singh, Dr. Minakshi Jain and Ar.Amitava Sarkar



Inauguration of Training Programme on “Capacity  
Building of Engineers in Earthquake Risk Management

The Department of Civil Engineering, National Institute of Technology Hamirpur organized a Training Programme on “Capacity Building of Engineers in Earthquake Risk Management w.e.f. March 19-23, 2010. The programme was organized under the aegis of National programme for Capacity building of Engineers in Earthquake risk management (NPCBEERM), Ministry of Home affairs, New Delhi. Forty five (45) participants above the level of Junior Engineer from different Govt. Department i.e HPPWD, HPIPH, HPPCL and Town and country are attending the training programme. Inaugurating the training programme, Prof I.K Bhat, Hon’ble, Director, NIT Hamirpur stressed the need of Earthquake resistant design of Structures, particularly in the region of Himachal Pradesh. He emphasised that it is the duty of Engineers to safeguard the community by taking into consideration the Indian Codal provisions for designing the structures Earthquake resistant Structures to community.

Coordinators Prof. Raman Parti Dr H Vinayak, Dr U.K.Pandey,  
Co Coordinator Dr. Dhamendra



Inauguration of Training Programme on “Capacity Building  
of Engineers in Earthquake Risk Management

The Department of Civil Engineering, National Institute of Technology Hamirpur organized a Training Programme on “Capacity Building of Engineers in Earthquake Risk Management w.e.f. April, 23-27, 2010. The programme was organized under the aegis of National programme for Capacity building of Engineers in Earthquake risk management (NPCBEERM), Ministry of Home affairs, New Delhi. Participants of the level of Executive Engineer, Assistant Engineer and Junior Engineer from different Govt. Department i.e. HPPWD, HPIPH, SSA attended the training programme. Inaugurating the training programme, Professor I.K Bhat, Hon’ble, Director, National Institute of Technology Hamirpur stressed the need of Earthquake resistant design of Structures, particularly in the region of Himachal Pradesh.

Coordinators Prof.Raman Parti, Dr H Vinayak, Dr U.K.Pandey, Co-Coordinator Dr. Dhamendra



Inauguration of AICTE/MHRD sponsored Energy and  
Environment Management

The Department of Mechanical Engineering and Centre for Excellence in Energy and Environment, National Institute of Technology Hamirpur organized a STTP on “Energy and Environment Management w.e.f. May, 10-14, 2010. The course was inaugurated by Prof. I. K. Bhat, Director NIT Hamirpur. 46 participants from UP, Haryana, Punjab, HP, J&K, Gujarat, Maharashtra, and Uttarakhand, benefited from the course Coordinators Sh. Varun, Dr. N. S. Thakur and Sh. Siddhartha



## Short Term Training Programmes (Community Development)



Inauguration of course on e-Learning Management Systems



Participants of Course on New Construction Techniques



Inauguration of STTP on Safe Handling of Electrical Gadgets for rural citizens

One week Certificate course on “E-Learning and Management Systems ELMS-10” was organized during January 5-9, 2010. Participants were acquainted with the on line learning tools and software's. Around 27 participants from all over the Himachal Pradesh attended the course. Participants were given hands on training experience of using open source E-learning management system. Prof. L.K. Awasthi, Dr.(Mrs.) Kamlesh Dutta, Dr. (Mrs.) Rajeevan Chandel, Dr. R.K. Dutta, Dr. Narottam Chand, Dr. R.K. Sharma and Mr. Naveen Chauhan delivered expert lectures during the course. Prof. I.K. Bhat conducted video conferencing session for the participants of the course and urged the participants to make best use of e-learning tools for effective teaching.

Coordinators: Dr. (Mrs.) Kamlesh Dutta, Dr. R.K. Dutta, Mr. Pardeep Singh, and Mr. Rajeev Kumar.

A computer literacy programme “Microsoft Office, Internet and e-learning MIEL-10” was organized for the children of Prayas Group during March 20-27, 2010. 71 children attended this program. These children come from poor families and the students of NIT Hamirpur are helping them in their education. Children were also given exposure of e-learning techniques. Prof. I.K. Bhat, Director NIT H, Guests of Honour Commandant, Dr. Ranjeet Thergaonkar and Lt. Commandant Dr. Vivek Bhat from Indian Navy, Kalyani, Mr. N.K. Singh, ExEngg. Construction Cell NIT Hamirpur, Dr. Narottam Chand, Prof. Anoop Kumar and other faculty members applauded the progress made by the children of Prayas group in acquiring computer proficiency. The activity was coordinated by Dr.(Mrs.) Kamlesh Dutta with the support of Literacy mission NIT Hamirpur

One week certificate course was organized by Department of Architecture on “New Construction Techniques for Rural Areas” from 30th April -4th May. Participants from surrounding institutes attended the course with great zeal. The course emphasized on use of various innovations in the field of low cost and traditional techniques and materials. Expert lectures were delivered by faculty from Architecture Department, Civil, Computer and Electrical department

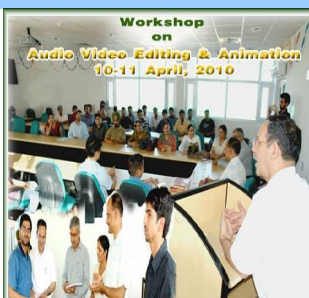
Coordinators Ar. Amanjeet Kaur & Ar. Neetu Kapoor

Prof. Y. R. Sood Officiating Director & Dean ( IRD&C ) inaugurated the STTP on Safe Handling of Electrical and Electronic Gadgets by Rural Citizens sponsored by NIT Hamirpur under Services to Community. While inaugurating the program, Prof. Sood highlighted the great effort made by NIT authorities in helping society especially people around NIT campus for providing institutional facilities for their general welfare & providing training in several key areas. 35 participants from far off villages of District Hamirpur attended the program. In addition, Dr. Yogesh Gupta , Prof. R N Sharma also apprised the participants about several aspects of Electricity & its proper use for safety & careful handling of appliances. Coordinator Dr R.K Jarial

## Seminars/Workshops Conducted



Workshop on Tips for Civil Services Exam



Workshop on “Audio/Video Editing and Animation

A one day workshop “Tips For Preparing For Civil Services Exam” was organized on 18<sup>th</sup> April by Department of Management & Social Sciences & Sankalp Siksha Academy, Delhi in the conference hall of the institute. The director of the institute Prof. I K Bhat was the chief guest of the workshop. During addressing the students Dr. Bhat emphasized on the right guideline & full commitment for achieving any goal. About 75 aspirants were present in the workshop. In the end a counseling session of students was organized with Mr. Santosh Taneja vice president of SANKALP SIKSHA academy.

A two days workshop on “Audio/Video Editing and Animation” was conducted by Photography club of NIT Hamirpur during 10-11 April, 2010 in the Computer Centre of NIT Hamirpur. Prof. I.K. Bhat, Director NIT Hamirpur urged the students to make best use of the audio video and animation techniques learned during the workshop. Coordinators: Dr. (Mrs.) Kamlesh Dutta, Mr. Pardeep Singh, Ms. Neetu Kapoor, Mr. Deep Kanga



Inauguration of workshop on Competent International Marketing Strategies

Maj. Gen. P. N. Kaul inaugurated the workshop on Competent International Marketing Strategies (CIMS-10) for Indian defense systems at NIT Hamirpur organized by Mechanical engineering and Management Departments Jointly on 15th April 2010. The inaugural function was also graced by Prof. Mithileshwar Jha, Joint Director IIM Bangalore, Dr. Anuradha Reddy, Jt. Director DRDO, Prof. I.K. Bhat Director NIT Hamirpur. Many senior scientists and heads of various research labs of DRDO and keynote speakers from IISc and IIM attended the two day workshop. In all about 50 delegates participated in the workshop. During the workshop strategies for marketing the Defense products at international level were deliberated.

Workshop Coordinators Dr. Somesh Sharma, Dr Amar Patnaik, Chairman Prof Sunand Kumar Gupta



Inauguration of workshop on "Architectural Journalism and Photography building systems

Department of Architecture, NIT Hamirpur Organized a two days' workshop on "Architectural Journalism and Photography" from 14th - 15th May, 2010 under Continuing Education. The workshop was inaugurated by our worthy Director Sir Prof. I.K.Bhat. Experts from field i.e. Ar. S.S Bagha practicing architect and chairman Punjab & Chandigarh chapter IIA and Dr. Dev Inder Singh, Internationally acclaimed photographers, were called to deliver talk on various aspects of Architectural Journalism and Photography. Students of all batches of architecture department and other departments participated in the workshop.

Coordinators Ar. Amanjeet Kaur & Ar. Neetu Kapoor

## Research Publications (International /National Journals)

- J. N. Sharma, K. K. Sharma and Ashwani Kumar "Surface waves in a piezoelectric-semiconductor composite structure, International Journal of Solids and Structures", 47, 816-826, (2010)
- Rajiv Sharma, Pooja Sharma "Integration of reliability and maintainability aspects for improved performance in process industry, Industrial Engineering Journal, Vol 2 (9) pp22-27, 2010
- Varun, Amar Patnaik, Saini RP and Singal SK, Optimisation Prediction of Solar Air Heater Using Artificial Roughness as Transverse and Inclined Ribs by Taguchi Method, Renewable Energy, 34(12), 2914-2922 (2009) (Impact Factor=1.663).
- Varun, Ravi Prakash and I.K Bhat, Energy, economics and environmental analysis of Renewable Energy Systems, Renewable and Sustainable Energy Reviews, 13(9), 2716-2721 (2009) (Impact Factor=4.075).
- Sherwani, A. F., Usmani, J. A. and Varun, Life Cycle Assessment of Solar PV based Electricity Generation Systems: A Review, Renewable and Sustainable Energy Reviews, 14(1), 540-544 (2010) (Impact Factor=4.075).
- Varun and Siddhartha, Thermal Performance Optimization of a Flat Plate Solar Air Heater Using Genetic Algorithm, Applied Energy (Elsevier), 87, 1793-1799 (2010) (Impact Factor=1.371).
- Harshdeep Sharma, Anoop Kumar and Varun, Performance Analysis of Metallic Radiation Recuperator with Counter Flow Arrangement, Journal of Heat and Mass Transfer, 46(3), 295-304 (2010) (Impact Factor=0.873)
- Varun, Ravi Prakash and Bhat IK, A Figure of Merit for Evaluating Sustainability of Renewable Energy Systems, Renewable and Sustainable Energy Reviews 14 (6), 1640-1643 (2010) (Impact Factor=4.075)
- Himanshu Nautiyal, Varun and Anoop Kumar, CFD analysis in Pumps working as Turbine, Hydro Nepal, 6, 35-37 (2010).
- Pamita Awasthi<sup>1</sup>, Shilpa Dogra<sup>1</sup>, Lalit K. Awasthi<sup>2</sup> and Ritu Barthwal<sup>3/</sup> Book Chapter entitled "Interaction of mitoxantrone and its analogues with DNA tetramer sequences - A Molecular Modeling Study" in a Research book "Software Tools and Algorithms for Biological Systems".
- Aarushi Jain 'Challenges of Energy Conservation – Making a Start at the District Level', *'Quality Times'*, Journal of the Institute of Directors, New Delhi, Vol. XV No. 1/2010, January 2010, pp.8-10.
- Mehta, B. S.; Parti, Raman and Sharma R. K. "Landslide wizard, Analysis and zonation on national highways from Panasra to Manali, H.P. India" International journal of Earth Sciences and Engineering) Vol 3, Issue 3 2010
- R.K. Aggarwal, S.S. Chandel, Emerging energy scenario in Western Himalayan state of Himachal Pradesh, Energy Policy 38 pp.2545–2551(2010)
- Bansal, V.K. and Pal, M. (2009). "Extended GIS for construction engineering by adding direct sunlight visualisations on buildings." Construction Innovation, Emerald (London), 9(4), 406- 419.
- Bansal, V.K. and Pal, M. (2009). "Construction schedule review in GIS with a navigable 3D animation of project activities." International Journal of Project Management, Elsevier Science, 27(5), 532-542.
- T.P. Sharma, R.C. Joshi and Manoj Misra, "Data Filtering and Dynamic Sensing for Continuous Monitoring in Wireless Sensor Networks," special issues of International Journal of Autonomous and Adaptive Communications (IJAACS), Vol. 3, No. 3, pp. 239-263, 2010
- Amit Khandelwal, Nitin Gupta, Abhishek Rai and Shubham Jain "Combined Approach for Effective Data Compression" International Journal on Computer Engineering and Information technology (IJCEIT), Vol. 14, No. 19, pp. 16-18, Jan 2010.
- Y.R Sood, Randhir Singh, "Optimal Model of Congestion Management in Deregulated Environment of Power Sector with Promotion of Renewable Energy Sources" Renewable Energy, Volume 35, Issue 8, August 2010, pp.1828-1836
- Hemant Kumar Vinayak, Ashok Kumar, Pankaj Agarwal, S.K. Thakkar, "Neural Network-Based Damage Detection from Transfer Function Changes", Journal of Earthquake Engineering, Vol 14, 5, 771-787.
- Pooja Sharma, Kamal Kant and Naveen Chauhan "A Comparative Study of Cluster-based Data Replication Techniques for MANETs" International Journal of Information Technology & Knowledge Management Vol-3, (I) June 2010.



## (International/National Conferences)

- Pamita Awasthi, Priyanka Sharma and R.K. Mahajan "Docking studies of synthesized juvenile hormone analogues with its receptor site" at Symposium on recent trend in Biophysics at Banaras Hindu University, Varansi, pp73, 13-15 Feb. 2010
- Pamita Awasthi, Shilpa Dogra, Lalit K. Awasthi and Ritu Barthwal "Comparative molecular modeling of mitoxantrone and its analogue ametantrone with hexameric DNA sequences d-CGATCG and d-ATCGAT" Symposium on recent trend in Biophysics (B.H.U), Varansi, pp74, Feb. 2010
- Pamita Awasthi, Priyanka Sharma, Shilpa Dogra, R.K. Mahajan and Ritu Barthwal "Synthesis and 2D NMR studies of Juvenile Hormone Analogues" Symposium of recent developments and applications of Biomedical Magnetic Resonance and the 16<sup>th</sup> conference of National Magnetic Resonance Society, pp132, Feb-21-24, 2010, CBMR, Snajay Gandhi Post Graduate Institute in Medical Sciences, Lucknow
- Amit Kaul, Manmohan Singh, A.S. Arora and Sushil Chauhan, An Algorithm for language Independent Speaker Identification in Inter-National Conference on Signals, Systems and Automation 2009 (ICSSA09) -December 28 - 29, 2009, at GCET, Vallabh Vidya nagar
- Amit Kaul, A.S. Arora and Sushil Chauhan, An Overview of ECG based Biometrics in National Conference on Recent Advances in Computational Techniques in Electrical Engineering (RACTEE 2010), 19<sup>th</sup>-20<sup>th</sup> March, 2010
- Neha Gupta and Amit Kaul, An Overview of Automatic Language Identification, (RACTEE 2010) 19<sup>th</sup>-20<sup>th</sup> March, 2010
- Bharti Bakshi, Rajesh Kumar and Himesh Handa. Power Transformer Tests (RACTEE 2010) 19<sup>th</sup>-20<sup>th</sup> March, 2010
- Aarushi Jain, 'Women and Human Rights-An Analysis' Proceedings of 'International Conference on Human Rights- Transforming Dimensions', Panjab University, Chandigarh on 15<sup>th</sup>-16<sup>th</sup> Feb, 2010.
- Aarushi Jain, 'Problems and Prospects of Horticulture Development in Himachal Pradesh – A SWOT Analysis- Proceedings of International Conference on 'Himalyan Environment-Issues and Challenges" Institute of Himalyan Studies, H.P.U, Shimla, 22<sup>nd</sup>-24<sup>th</sup> March, 2010.
- Aarushi Jain, 'Right to Information- Study of Implementation of the Act in Himachal Pradesh' National Conference on 'Right to Information – Challenge or Opportunity' Hamirpur (H.P.) 29-30 January, 2010.
- Hardeep, Abhinav Pratap Singh, Kuldeep Sharma, Pardeep Thakur and Ravi Kumar "Synthesis and optical characterization of RF magnetron-sputtered TiO<sub>2</sub> and SnO<sub>2</sub> thin films, 54<sup>th</sup> DAE Solid State Physics Proceedings of Symposium" State Physics (India) Vol. 54, 591 (2010).
- Bansal, V.K., Pal, M. (2009). "Potential applications of Geographic Information Systems in construction projects." Proc. of the Civil Engineering Conference– Innovation without Limits (CEC-09)" 365- 368.
- Prashant Kumar and Naveen Chauhan, "A Review of Cooperative Cache Management Techniques in MANETs", Proceedings of International Conference on Recent Trends in Soft computing and Informtaion Technology, pp 383-389
- Sidhhartha Chauhan and Soni Chaurasia, "A Survey: MAC Protocols in WSN", ECIT 2010, pp 133-137.
- Sidhhartha Chauhan and Soni Chaurasia, "Survey of Multi-sensors data fusion techniques for Wireless Sensor Network", National Conference on Wireless Communication and VLSI Design (NCWCVD-2010).
- Naveen Kumar Sharma, Yog Raj Sood, Raj Kumar Jarial, "Dissolved Gas Analysis: A Effective Tool of Condition Monitoring of Power Transformer" presented and published in the proceedings of National Conference on Recent Trends in Electrical & Electronics Engineering (RTEEE-2010), May 14-15, 2010, Haryana College of Technology & Management, Kaithal (Haryana).
- Naveen Kumar Sharma, Nishant Prakash, Yog Raj Sood "Smart Techniques for diagnosis in Power Transformer" (RTEEE-2010), May 14-15, 2010, Haryana
- Prashant Kumar Tiwari, Yog Raj Sood "A New Method for Minimization of Transmission Losses using Optimization" (RTEEE-2010), May 14-15, 2010
- Jashandeep Singh, Yog Raj Sood and Piush Verma, "Effect of aging on Breakdown voltage and moisture of power transformer" (RTEEE-2010)
- Naveen Kumar Sharma, Prashant Kumar Tiwari, Yog Raj Sood, "Renewable energy status in India, (RTEEE-2010), May 14-15, 2010
- Sanjay Kumar, Yog Raj Sood, "Electrical energy conservation in India achievements problems and their solution" (RTEEE-2010), May 14-15, 2010
- Kamal Kant, Lalit K. Awasthi, A Survey On Routing Protocols for Manets and Comparisons, IEEE Supported International Conference on Recent Trends in Soft Computing and Information Technology, 2010, pp. 405-411.
- Kamal Kant, Lalit K. Awasthi, Efficient Traffic Protocol for Highly Populated Cities, 3<sup>rd</sup> International Conference Transport Science and Technology Congress (TRANSTEC 2010) New Delhi, 7th April 2010.
- Amrik singh, Lalit K Awasthi, P2P To Grid Computing: Possibilities, Challenges and Solutions, International Conference On Advance Computing and Creating Entrepreneurs (ICOACCE10), Geetanjali Institue of Technical Studies, Airport Road, Dabok, Udaipur, February 12, 2010.
- Kamal Kant, Kiran Maraiya, and Dr. Lalit K.Awasthi, Mobile Database Systems: A New Steering Of Research Issues, Role of Application of Information and Communication Technology in Inaccessible Areas (RAICTA-2010) pp. 94-98 CSE-GJTU, Hisar, Feb 17-18, 2010

## Expert Lectures Delivered

- Dr. Umesh Kumar Pandey delivered expert lecture on Design of Storage Tank in STTP for I PH department Field Engineers on 13-01-2010, NITH
- Dr. Umesh Kumar Pandey delivered expert lecture on Analysis and Design of Structures for Dynamic Loading in STAAD-PRO Training programme on Capacity Building of Engineers for Earthquake risk management from 19-23 March, 2010 and 23-27 April, 2010
- Dr. Minakshi Jain delivered a talk on "Quality Assurance and Ethics in Technical education" in the National Workshop on Quality assurance in Technical education w.e.f 6th -7th February 2010 at MITS Gwalior.
- Dr. Minakshi Jain delivered a talk on Landscape Architecture in an Indo-Australian Symposium, at Art Gallery Sector-10, Chandigarh.
- Prof. R.K. Gupta, Prof. Finance, Punjab University, Chandigarh delivered lectures on Taxation and Accounting for MBA students
- Dr R.K Jarial delivered lecture on Technology Transfer & commercialization development in EED department on 30-3-2010
- Mr. Arvind Dixit from Advanced Technology Chandigarh delivered expert lecture on "Advances in Wireless Technology" on 11/2/2010
- Mr. Ashok Kumar & Mr. Surender Soni delivered a talk on "Cellular Technology: 3G and beyond" on 19/01/2010
- Dr S.S Chandel delivered lecture on Solar Passive Housing Technology in Winter Course On Intelligent Buildings from Feb 22-26 2010, NIT-Hamirpur
- Dr. S.S Chandel delivered lecture on Overall View and Effective usage of Green Buildings in Workshop on Green Buildings organized by HIMCON & HIMURJA from March 20-21 2010 at Shimla
- Dr S.S Chandel delivered talk on Energy Efficient Green Building in Regional Workshop on Green Buildings, organized by HIMCON & HIMURJA
- Dr S.S Chandel delivered lecture on Solar Passive Housing Technology in Workshop on Solar Passive Technology at Shimla April 20-21 2010
- Dr S.S Chandel delivered lecture on Solar Passive Building Technology Policy Issues & Strategy for Implementation in Himachal in Workshop on Policy Issues on Solar Passive housing Technology on April 22, 2010 Shimla Organized by GERES, HPSCTE, & HP Govt Pradesh
- Er. Naveen Chauhan delivered expert lecture on "Feedback & Survey" in Community development program on Electronic Learning Management System (ELMS) January 5-9, 2010.
- Prof L.K awasthi delieverd lecture on Latest Trends in Information Technology in National Conference on, Recent trends in Information Technology: Opportunity & Challenges, S S Jain Subodh MCA Insitute, Jaipur during 26-27 Feb 2010.
- Prof L.K awasthi delieverd lecture on Cloud Computing Architecture & Application?, National Seminar, D A V Girls College, Yamunanagar, 25 Feb 2010.
- Prof L.K awasthi delieverd lecture on Mobile cloud computing, Confluence - The Next Generation Information Technologies Summit, Amity University, Noida, 22-23 January 2010.

- Dr S.S Chandel delivered lecture on Solar Passive Building Design Concepts & Strategy STP Course on Energy & Environment Management May 13,2010 MED & CEEE, NIT Hamirpur
- Dr Mamta Awasthi delivered lecture on Development of sustainable products, in AICTE/MHRD sponsored Short Term Course on Energy and Environment Management, 10-14 May'2010
- Dr. (Mrs.) Kamlesh Dutta delivered expert lecture on “Programming language Paradigm- JAVA- a Multiplication language” in the short term course on “Programming in JAVA (PROJA-09) held during April 5-9, 2010
- Dr. (Mrs.) Kamlesh Dutta delivered lecture on “Communication Technologies for Rural Areas” in the One Week Certificate course on “New Construction Techniques in Rural Areas” held during 30th April 2010- 4th May 2010.
- Prof Y.R Sood delivered lecture on “Technology Commercialization and Transfer March 30, 2010”, EED, NIT Hamirpur.
- Prof Y.R Sood delivered invited talk/expert lecture on “Deregulation of Power Sector”, in National Conference on Recent Trends in Electrical and Electronics Engineering (RTEEE-2010) at Haryana College of Technology & Management (HCTM) Kaithal (Haryana) on May 15, 2010.
- Dr Hemant Kumar Vinayak delivered a Lecture on Bamboo Structures in a STC on “New Construction Techniques for Rural Areas”, Organised by Dept. of Architecture NIT Hamirpur from 30<sup>th</sup> April to 4<sup>th</sup> May.
- Dr Hemant Kumar Vinayak delivered a Lecture on Structural System for a house in an STC on “Design, Planning and Construction Considerations for residences”, Organised by Dept. of Architecture NIT Hamirpur from 29<sup>th</sup> Dec 2009 to 2<sup>nd</sup> Jan 2010
- Dr.Narottam Chand delivered expert talk on “ICT and Its Role in Education” in Winter School on Orientation Programme for Technical Teachers (OPTT), NITH, Jan 04-08, 2010.
- Dr.Narottam Chand delivered expert talk on “Wireless & Mobile Technologies” in Winter School on Instrumentation and Signal Processing, NIT Jalandhar, Jan 11-15, 2010
- Prof Rakesh Sehgal delivered expert lecture on Tribo Testing for Msc and PhD students of Chemistry Deptt at NIT Jalandhar on 01 June 2010.

## Placements 2009-2010

S. No.	Discipline	No. of students in final year	Total No. of students placed through Placement Cell	Major Recruiting Companies
1.	Elect.& Comm. Engg	60	48+15*	Indian Oil corporation Limited , TATA MOTORS, M/s Ashok Leyland, NTPC,SJVNL, Hero Honda , Samsung ,Infosys, Vedanta, M/s Tata consultancy Services , M/s Belzabar Software, M/s BOC India Ltd. , M/s Sapient M/s Coreel M/s IBM, M/s ESSAR, Group, M/s DSC Limited M/s Unitech ,DRDO,HPCL etc
2.	Comp.Sc. & Engg.	61	50+15*	
3.	Electrical Engg.	56	36+2*	
4.	Mechanical Engg.	56	40+1*	
5.	Civil Engg.	43	40+10*	

\*Dream Job

## Courses, Seminars, Workshops and Training Programmes Attended

- Prof I.K Bhat, Mr.Manish Jindal, Dr L.K Awasthi, Ms Bharti Bhakshi attended a conference on Digital Library at BITS –Pilani, Goa Campus 15-18 June 2010
- Dr I.K Bhat, attended Dean Academic Meet on Student Exchange program on 28-29 Jan 2010
- Prof I.K Bhat acted as panelist in World Energy Congress 2010 on 06 April 2010 at New Delhi and also in Convention of Hydropower Mitigation 2010 New Delhi on 29 April 2010
- Prof I.K Bhat and Prof S.S Chandel participated in the convention on Implementing Jawaharlal Nehru National Solar Mission on 01 April 2010 org by Ministry of Renewable Energy , Govt of India at New Delhi.
- Prof I.K Bhat and Er N.P Singh participated in development of Green Building with GRIHA regulation org by Ministry of Power, ministry of HRD and Ministry of Renewable Energy Jointly.
- Dr. Rajesh Sharma attended Deans (Academic) meet at NITK Surathkal held on 3-4-10 and 4-4-10
- Sh. Philemon Daniel attended Workshop on “Introduction Robotics” at IIT Mumbai w.e.f. 12-13 March, 2010.
- Dr. Suresh Dhiman attended Orientation Programme for Technical Teachers at NIT Hamirpur from 04<sup>th</sup> Jan-08<sup>th</sup> Jan 2010
- Dr S.S Chandel participated in Interactive Session on Implementing Jawaharlal Nehru National Solar Mission Chamber of Indian Industry [CII] & Ministry of New & Renewable Energy Sources , GOI on 01 April 2010 Vigyan Bhawan, New Delhi
- Dr. Mamta Awasthi attended workshop on Algal Biofuel at New Delhi, April 2010
- Dr. T.P. Sharma attended a three day workshop on “Introduction to Robotics” at IIT Bombay during March 12-13, 2010.
- Dr. (Mrs.) Kamlesh Dutta attended 5th ZOPP Workshop for SMDP at Bangalore during Feb 18-19, 2010.
- Dr Y.R Sood attended workshop on “Development of Technology Commercialization and Transfer Specialists”, organized by Consultancy Development Centre, an autonomous Institution of DSIR, Ministry of Science & Technology, Govt. of India, 24–26 February, 2010, at Delhi.
- Dr Hemant Kumar Vinayak attended the training and Capacity building programme on “Seismic Strengthening” organized by Centre of Excellence in Disaster Mitigation & Management and Deptt. of Earthquake Engineering, Indian Institute of Technology, Roorkee .
- Dr Hemant Kumar Vinayak attended the workshop on “Audio/Video editing & Animation (AVEA’ 10)” organized by NITH
- Dr. Kuldeep Kumar Sharma has attended Seminar Cum Workshop on “First Principle and Other Simulation Methods in Condensed Matter Physics”, Organised by the Deptt. of Physics. HPU Shimla from March 22-29, 2010

## Rewards and Recognitions

- Dr. Pamita Awasthi, AP, Dept of chemistry, under SERC Fast Track Proposals for Young Scientists scheme (SR/FT/CS-078/2009). obtained DST Research Project entitled “*Juvenile Hormone Analogues as potential pesticides: Designing, Synthesis, Characterization, Biological evaluation and Field testing*”
- Dr. T P Sharma , Faculty CSE Deptt obtained PhD from IIT Roorkee 16,04.2010. Topic: “Energy Efficient Data Dissemination in Wireless Sensor Networks
- Varun has been appointed as Member Technical Committee, “The First International Conference on Advances in Renewable and Sustainable Energies”, Bio-Green 2010, March 7-13, 2010, Cancun, Mexico
- Dr.Hemant Kumar Vinayak, Lecturer in Civil engineering Department, received fellowship under the Indian National Academy of Engineering scheme "Mentoring of Engineering Teachers by INAE Fellows" to work at Indian Institute of Technology, Roorkee, Roorkee during the summer of 2009.
- Dr. Rajiv Kumar Sharma has been appointed a member of Emerald Literati Network, Howard House, Bingley U.K



- Prof S S Chandel received UNDP/ GEF Global Project on Solar Water heating Monitoring in Cold Regions sanctioned by the Ministry of New & Renewable Energy, GOI worth Rs 30 lakhs. The Project is to be implemented in collaboration with Pune University, Solar Energy Centre, MNRE, GOI.
- Prof Y.R Sood has been appointed as Member National Advisory Committee, National Conference on, "Recent Trends in Electrical & Electronics Engineering (RTEEE-2010), Haryana College of Technology & Management, Kaithal (Haryana).
- Prof Y.R Sood has been appointed as Member Technical Paper Review Committee, International Conference on, "Computer Applications in Electrical Engineering (CERA)", IIT Roorkee and also for International Conference on System Dynamics and Control (ICSDC 2010), Manipal Institute of Technology, Manipal, Karnataka State, August 19-22, 2010

## Student Activities

- Five students, of the B.Tech Batch 2010 qualified GATE exam 2010.
- Mr. Arjun Uppal a final year student of The Department of Architecture, NIT Hamirpur, was awarded the best Thesis Project entitled "Commercial Complex for SJVNL, Shimla" by the A3 Foundation, Punchkula. Thesis guide: Prof. Minakshi Jain
- Ms. Shabari Shaily of the 2005-10 batch cleared the IELTS examination with flying colours. She is granted scholarship to pursue her Masters' degree in the Scotland University, United Kingdom
- Mr. Atul Kumar Nishad & Mr. Dhruv Solanki, M.Tech. VLSI student attended workshop on "Convector Ware Tools" w.e.f. 6-7 March, 2010 at IIT Delhi.
- Mr. Dhananjai Rai & Mr. Diwakar Singh, M.Tech. VLSI students attended workshop on "Mentor Graphics Tools" w.e.f. 8-9 March 2010 at Noida
- SPECFEST event organized in E&CED w.e.f. 29<sup>th</sup> to 31<sup>st</sup> Jan, 2010
- PRAYAS- "Sapno Ki Udaan" organized on 25th April, 2010 The annual cultural charity event by NITH Literacy Mission.
- CSS Community Service Scheme: Use of Science and Technology to uplift living standards of local villagers simultaneously keeping in mind the environment impact various activities are being undertaken under CSS by NITH students



The SPICMACAY student chapter at NIT, Hamirpur, organized a cultural event featuring performances by renowned Indian classical artists on 6th and 7th of February. SPICMACAY is an organization that seeks to promote an awareness of our rich cultural tapestry amongst the youth of the country through focus on the classical arts. The highlights of the event were performances by Pandit Bhajan Sopori, the Legendary Santoor Maestro, and Dr. Deepti Omchery Bhalla, a leading exponent in the dance form of Mohiniyattam.



Students cleaning campus area under CSS Community Service Scheme  
Coordinator Dr Vijay Bansal, Civil Engg Department



This year's NIMBUS 2010 with theme "Agamya Kritya Sidhya" Stripping Ideas, Assembling Innovations consisted of Competitions, Lecture Series, Workshops, Exhibitions and online events. The techno cultural festival was inaugurated by Sh. Ashwaghosh Ganju, Director SASE, DRDO and Dr T.P Shashikumar, former Scientist ISRO. A total of 180 students from 27 institutes and colleges registered for the 43 events organized from 11<sup>th</sup> to 15<sup>th</sup> March 2010. This year's main attraction were the guest lecture of Mr. M C Mehta, Magasay Awardee, Ar. Christopher C. Benninger, ArchiDesign Architect of the Decade, Mr. Mahesh Murthy Founder and CEO, Pinstorm, Dr. Archana Sharma - Experimental Physicist Large Hadron Collider Project, CERN- Europe. Further highlights of the event were video conferencing sessions with Dr. John C. Mather Nobel Prize winner in Physics in 2006 and Mr. Sam Pitroda Chairman, National Knowledge Commission, Exhibitions - Timber Trail & Motorama, Smart Sensors, Concretion- Crib retaining wall, Aeromodelling, Corona Discharge, Green Hostel campaign, Defense Exhibition, load bearing bamboo structure. The Valedictory ceremony successfully marked the closing of Nimbus 2010 with the grace presence of Sh. Anurag Thakur, M.P Hamirpur constituency. Much to the delight of students and giving NIMBUS 2010 a perfect end, there was also a Rock Show by band "Parikrama" on 15<sup>th</sup> March 2010.

## Silver Jubilee Year Celebrations

Silver Jubilee Year  
2010-2011

## 2010

S. No	Duration of the Month	Department	Title of the Programme	Coordinator	E-Mail	Tele No. 01972 (Code)
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## INTERNATIONAL / NATIONAL CONFERENCES

1.	22-24, Oct 2010	Applied Chemistry	Advances in Polymer Science and Technology (APST-10)	Dr.Pamita Awasthi	pamita@nitham.ac.in	304116(O)
2.	30-31, Oct 2010	Architecture	International Conference on Urbanism and Green Architecture	Dr. Minakshi Jain	minakshi@nitham.ac.in	304912 (O)
3.	17-19, Dec. 2010	Computer Centre	International Conference on Advances in Computing and Communication	Dr.Lalit Kumar Awasthi	lalit@nitham.ac.in	304420(O)
4.	2010	Management & Social Science	HIV/AIDS	Dr.Piar Chand	piaru@nitham.ac.in	304124(O)
5.	2010	CED	Environmental Hazards and their Mitigation	Dr.V.K.Sarda	vks@nitham.ac.in	304320(O)

## WORKSHOPS/ SEMINAR

6.	15-16, Oct. 2010	EED	Workshop on Hydropower Development in Himalayan Region	Sh.O.P.Rahi	oprahi@nitham.ac.in	304542 (O)
7.	Nov. 2010	E&CE	Seminar on Modern VLSI Devices	Er.S. K. Soni,		304630(O)

## SUMMER / WINTER SCHOOLS/ STC/SHORT TERM TRAINING PROGRAMME

8.	31 May to 04 June, 2010	Material Science	<b>Summer School</b> on Nano Science and Technology	Dr. Ravi Kumar		304380(O)
9.	05-09 June, 2010	EED	Summer School on Power Quality Problems and Mitigation Methods	Dr. R.K.Jarial	jarial@nitham.ac.in	304538 (O)
10.	07-11, June 2010	MED	Summer School on Passive Solar Building Design	Dr. Anoop Kumar	anoop@nitham.ac.in	304726(O)
11.	14-19 June 2010	Material Science	STC on Gems Manufacturing	Dr. Ravi Kumar	ravi@nith.ac.in	304380(O)
12.	21-25, June 2010	MED	Condition Monitoring of Plant and Machinery	Dr. Rajesh Sharma	rajesh@nitham.ac.in	304730(O)
13.	28 June to 02 July, 2010	CED	Summer School on Orientation Programme for Technical Teachers	Dr. Ravi Kr. Sharma	ravi@nitham.ac.in	304324(O)
14.	June, 2010	E&CE	STC on Evolution and importance of Green Electronics in present era	Er. Ashok Kumar	ashok@nitham.ac.in	304632(O)
15.	05-10, July, 2010	CS&ED	Summer School on Implementing Cisco IOS Network Security	Dr. Kamlesh Dutta	kd@nitham.ac.in	304424(O)
16.	06-10, July 2010	MED	Non -Conventional Machining and Non Destructive Testing	Dr. Anoop Kumar	anoop@nitham.ac.in	304726(O)
17.	12-16, July 2010	EED	Summer School on Advances in Power Generation Operation & Control	Dr. R.N. Sharma	rnaresh@nitham.ac.in	304526(O)
18.	13-17, July 2010	MED	Tribological Systems- Reliability and Maintenance Aspects	Dr. Rajesh Sharma	rajesh@nitham.ac.in	304730(O)
19.	15-19, July 2010	ARCH/CS&ED/ CED	Summer School on Intelligent Environment	Ar. Amanjeet Kaur	amanjeetk@gmail.com	304424(O)
20.	26-30, July 2010	Architecture	Summer School on Energy Efficient Architecture	Dr. Minakshi Jain	minakshi@nitham.ac.in	304910(O)
21.	22-25, Oct. 2010	EED	STC on Power Transformer Engineering and Practices	Dr. Ram Naresh Sharma	rnaresh@nitham.ac.in	304546(O)
22.	13-17, Dec. 2010	CED & EED	STC on Small Hydro Power Development	Dr. V.K. Sarda	vks@nitham.ac.in	304320(O)
23.	13-17, Dec. 2010	Arch.	Winter School on Sustainable Infrastructure Development in Urban & Rural Areas.	Ar. I.P. Singh	ipsingh@nitham.ac.in	304215 (O)



24.	20-24,Dec. 2010	EED	STC on Digital Signal and Image Processing using Mat Lab (DSIPM)	Dr. Ram Naresh Sharma	rnaresh@nitham.ac.in	304546(O)
25.	Dec., 2010	E&CE	STC on VLSI Design & EDA Tools	Dr. Rajeevan Chandel	rchandel@nitham.ac.in	304624(O)
26.	2010	CED	STC Staad –Pro and its applications	Dr. U.Kumar Pandey	ukp@nitham.ac.in	304342(O)

## 2011

1.	Feb, 2011	E&CED	Workshop on Embedded System	Er. P.Daniel	phil_dani@nitham.ac.in	304642(O)
2.	May, 2011	EED	International Conference on Recent Advances in Power Systems and Renewable Energy Resources (RAPSRES-2011)	Dr. Yog Raj Sood	yrs@gmail.com	304522(O)
3.	March, 2011	E&CED	National Conference on Optical and Wireless Techniques	Dr. Vinod Kappor	kapoor@nitham.ac.in	304620(O)
4.	June, 2011	E&CED	International Workshop on High Performance VLSI Design & Testing Techniques	Dr. Rajeevan Chandel	rchandel@nitham.ac.in	304624(O)
5.	25-27, Feb. 2011	EED	STC on Power Transformer Engineering & Practices	Dr. R.N. Sharma	rnaresh@nitham.ac.in	304526(O)
6.	13-17, June, 2011	EED	STC on Stability and Control of Dynamical Systems	Sh. Bharat Bhushan Sharma	bhushan@nitham.ac.in	304540(O)
7.	May, 2011	EED	STC on Techniques for Condition Monitoring and fault diagnosis of Electrical Apparatus	Dr. R.N. Sharma	rnaresh@nitham.ac.in	304526(O)
8.	Sep. 2011	E&CE	STC on Advanced Communication Systems	Sh. Krishan Kumar	krishan_rathod@nitham.ac.in	304642(O)
9.	Dec. 2011	E&CE	Workshop on Communication Network Simulation	Er. Rakesh Kumar		304644(O)

## PRAYAS –Towards Social upliftment

Team Literacy (PRAYAS) is heading towards its mission of providing maximum possible support to those who struggle even for the basic amenities of life. Some the activities done by PRAYAS are shown in this Collage



Lalita (5th class) got 1st position in Hamirpur region with 95.5%

\*Chandan Bhagat (8th class) has scored 80.8%

\*Adult Literacy

program: An attempt to literate labourers of nearby slums of NIT-H campus, on every Saturday and Sunday evening

\* 04 yr old child of daily wage workers, suffering from heart problem was successfully operated in ESCORT Hospital, DELHI, with support of Literacy Mission.

\*'Rotary Club Hamirpur' brought 'NIT-hliteracy mission' into limelight

\*Free Medical Checkup of children by Dr. Vivek Bhat.

\*Mr. Joshi Sureen, from slum areas of NIT campus, got Bio Informatics in NIT Bhopal through AIEEE 2010



## New Central Facilities

### Central Store & 4H Food Court



Hon'ble Director, Prof. I K Bhat, inaugurated the newly constructed Central Store having 283 Sqmt. area in the basement of Estate Office

Hon'ble Director, Prof. I K Bhat, inaugurated 4H Food Court having 190 Sqmt. area near Kailash Boys Hostel on 24<sup>th</sup> May 2010

## Annual Athletics Meet



## Forthcoming Programs -Conferences/Workshops/ STC

- DST sponsored "SERC School on Nano-Optics" w.e.f. Sept.13-Oct.1, IIT Bombay and Deptt. of Physics ,NIT Hamirpur
- International Conference on Advances in Computing and Communication, December 17-19, 2010, Deptt. of CSE, NIT Hamirpur
- National Conf on Advances in Polymer Science and Technology - (22-24 October 2010), Deptt. of Chemistry, NIT Hamirpur
- AICTE/MHRD summer school on "Implementing CISCO IOS Network Security" July 5-10, 2010.
- AICTE/MHRD summer school on "Intelligent Environment" July 15-19, 2010.
- International Congress of Mathematics (ICM-2010)
- Challenges and Opportunities in Science and Technology- 14-18 June 2010
- Repair and Maintenance of Refrigeration and Air Conditioning System-21-25 June 2010
- CNC Machine Tools and CNC Programming-28 Jun-02 July 2010
- Application of Power Operated Tools (Metal Cutting & Wood Working)-05-09 July 2010
- Application Based Utilization in Renewable Energy Sources-02-08 August 2010
- 55th Congress of the Indian Society of Theoretical and Applied Mechanics, Dec 18-21 , 2010
- For more details, visit institute website [www.nith.ac.in](http://www.nith.ac.in)

### From Chief Editors desk

On the behalf of Editorial team members I take this opportunity to thank all the Deans, Heads, Coordinators, Faculty, Non-teaching staffs and students who have been associated with the Institute NEWSLETTER in past and all those who are associated with it in present for their efforts in bringing out the 1<sup>st</sup> Volume of Year 2010 Newsletter in the best possible manner. Good wishes to all NITHians past present and regards to all readers,

Dr. Rajiv Kumar Sharma, Faculty, Mechanical Engg Deptt, NIT Hamirpur

## Ragging Free Environment at NIT Hamirpur

### Editorial Board

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