



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.

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NIT Hamirpur ranked 9.6 on 10 point scale by World Bank Team in 7th TEQIP audit performance report

From the Director's Desk



Prof. I. K. Bhat, Director

It gives me utmost pleasure to know that the next issue of newsletter is ready. I congratulate all those who have contributed towards being able to bring out this issue. I take this opportunity to greet faculty, students, alumni and other stakeholders and hope the newsletter gives them a glimpse of activities the institute is venturing into. Last few months have been especially charged which began with the visit of Dr APJ Abdul Kalam and more recently the visit of His Holiness Dalai Lama Ji. Some other dignitaries who visited the institution are Prof R Natarajan, Prof. M Deshpandey, Prof K Sayan, Prof Banerjee etc. besides a large number of Academicians and industry persons.

In the present context where globalization has become a reality one needs to have autonomy with accountability. One needs to develop the competence to make ethical and value added decisions and should be directed towards the institutional commitment. It consists of two major components (i) *Quality of Teaching* and (ii) *Contribution towards generation of knowledge (Research)* and these two aspects should be pursued together. Those who choose this path with a selfless attitude have found success and every goal fulfilled. Over a period of time (a few decades) the unionism has harmed the academic systems and we as faculty should safeguard our profession and value it much above our individual wishes. We need to be accountable to our students, for which we are paid, our institution which supports us and our society which pays for us. We need to set our own benchmarks in terms of student satisfaction level, no. of publications, citations, awards, sponsored projects and contribution to institutional management towards brand building, extension activities, revenue generation for institution etc. Today the quality of publication and citations is measured by converting them into business propositions like patents, copyrights, involvement in national development activities etc.

We need to be conscious of quality of education we are delivering, quality and innovation in teaching, accountable to public funding etc. All of us need to work together, have faith in system, and support each other in achieving the above goals. We shall be by thought, word & deed and act always in a manner that will enhance the prestige of the noble profession to which we belong to. We need to work with open mind. I wish all of you a great time and a happy life.

Once again I thank Dr Rajiv Kumar Sharma, Coordinator Newsletter for his exceptional good work done and time he has spent to bring this issue in our hands.

Contact Details

National Institute of Technology Hamirpur
Hamirpur – 177 005 (H.P.)

Phone: 01972-254001, Fax: 01972-223834, Email: rksfme@nitham.ac.in
Web Site: <http://www.nitham.ac.in>

Convocation 2008



Dr. APJ Abdul kalam, Prof. P.K Dhumal, Prof. R.L Chauhan, Prof. I.K Bhat and members of senate during 3rd CONVOCATION



B.Tech / M.Tech Degree Recipients during 3rd CONVOCATION



Dr APJ Abdul Kalam addressing gathering and presenting Best student award to Ms. Aditi Sharma

NIT, Hamirpur, organized its 3rd Convocation on 03rd January, 2009. On the eve of 3rd Convocation, Dr.APJ Abdul Kalam, Former President of India & Hon'ble Prof. Prem Kumar Dhumal, Chief Minister Himachal Pradesh, were invited as Chief Guest and Guest of Honour, respectively. Besides these dignitaries, Hon'ble Chairman, Board of Governors, Members of Board of Governors, Senate, Distinguished invitees, Faculty members and Staff of NIT, Hamirpur, and Graduants of Year 2008 & their Parents, were also present here in this graduation ceremony. At the very outset, Dr. R.L.Chauhan, declared the 3rd Convocation open. He detailed importance and role of professionally qualified personnel in the prevailing economic slowdown scenario Dr. I.K. Bhat, Director NIT, welcomed the guests, and read Annual Report of the Institution, detailing various achievements and activities during past years. Dr.APJ Abdul Kalam in his address administered an Eight Point Oath to graduating students to bring about professional efficiency in their practical life and contribute significantly towards the nation with their technological skills and resolve all crisis coming in their way with confidence and positive attitude. He advised them to take oath to work committedly for removal of problems faced by planet earth in the areas of water, energy, habitat, waste management, and environment through the application of science and technology, and thereby bring glory to the nation.

All the Graduates qualified in the year 2008 and Post Graduates for the Year 2008 were conferred with the Degrees to 171 candidates in person and 79 in absentia for the Master of Technology, Bachelor of Technology and Bachelor of Architecture Degrees by Dr. APJ Abdul Kalam, Former President of India. During the eve of 3rd Convocation, Director's Medals to M. Tech. Mr. Shashikant Sampatrao of Mechanical Engg. for the year 2008 and B. Tech. Mr. Abhishek Tondon of Electronics & Communication Engg. for the year 2008 were presented by the Hon'ble Chief Guest. Hon'ble Chief Guest also presented Best Student Award for the year 2008 & 2007 to (i) Mr. Shishir Kumar Goel, Computer Science & Engg. and (ii) Ms. Aditi Sharma, Electrical & Electronics Engg. respectively. Subsequently, Chairman of Board of Governors, was requested to present 03 Nos. M. Tech. for the year 2008 and 06 Nos. B. Tech. for the year 2008 Director's Medal to the respective branch toppers. Finally, the record of Degrees presented was given to the Chairman, BOG, for his signatures. Thereafter, Mr. Abhishek Tondon, administered the Oath to all Degree recipients by repeating the Oath word by word. Concluding the 3rd Convocation, Hon'ble, Chairman, Board of Governors, NIT, Hamirpur, presented mementos to the Dean (Academics) cum OIC Convocation and Registrar-cum-Secretary (Senate & BOG).

At last the Director, NIT, Hamirpur, declared the 3rd Convocation closed with the pledge that it shall be constant endeavour to be scrupulously honest in the discharge of my duties as Engineer and Scientist. To uphold the dignity of the individual and integrity of the profession and to utilize knowledge of Technology & Science for the glory of the institute in the service of the country and mankind at large.

Conferences Conducted



Lamp lighting ceremony during inauguration of National Conference, ETCC-2008



Lamp lighting ceremony during inauguration of National Conference, RAEE-2008



Participants along with Chief Guest during National Conference, RAEE-2008

Department of Computer Science and Engineering organized two days National Conference on **Emerging Trends in Computing & Communication (ETCC-2008)** during Dec 30-31, 2008. The conference was inaugurated by the Chief Guest Prof. I.K. Bhat, Director, NIT Hamirpur. Guests of Honour during the inaugural ceremony were Dr. Sanjeev K. Singh US patent consultant and Sh. S. L. Singh, GM, BSNL Hamirpur. In total 46 authors presented their papers during the respective technical sessions. Keynote talks were delivered by Dr. Sanjeev K. Singh, Sh. S. L. Singh and Prof. Ajay Sharma.

Organizing Committee: Chairman - Prof. Lalit Kumar Awasthi & Dr Narottam Chand, Organizing Secretaries - Ms. Kamlesh Dutta & Mr. Naveen Chauhan.

Two day National Conference on **“Recent Advances in Electrical Engineering (RAEE-2008)** was organized by Continuing Education Center, NIT Hamirpur (H.P.), and is technically sponsored by IEEE- Delhi Section- Computer Society and Institution of Engineers (India) - NIT Hamirpur Students’ Chapter (Electrical.) in the month of December 26-27, 2008. Prof. N. P. Padhy ,IIT Roorkee delivered talk on Network Pricing Prof. H. O. Gupta IIT Roorkee in his keynote stressed upon Distribution, Transformer-Reliability Issues in power sector . Former general manager of the Satluj Jal Vidyut Nigam and Chief engineer of the HPSEB K.D. Dogra was the chief guest at the valedictory function while officiating director Prof. R.L Sharma presided over the function. Dogra lauded the participants for presenting recent advances in the field in a candid manner. He emphasised the need for more research in the field of hydro technology since Himachal had a vast potential for hydropower. Convener Prof.Y.R. Sood summarised the proceedings of the conference. He said out of large number of papers received, only 81 papers were published in the proceedings of the conference after review by technical committee. Delegates from the DRDO, various IITs, NITs, , industrial units, technical universities and colleges presented papers during the conference. Co-convener Prof.R.K. Jarial said the conference provided a platform to faculty members of technical institutions, researchers, professionals and policy-makers to share modern advances in the field and include these in the curriculum of technical institutes.

In order to explore the recent advances in Mathematics a National Conference on **‘Advances in Mathematics and its Applications (AMA-2008)’** was organized from 19-21, December 2008 by the Department of Applied Science and Humanities, NIT Hamirpur (HP). The chief guest Prof M. B. Banerjee, (**Shanti Swroop Bhatnagar awardee**), Prof R.L Sharma, Director and Prof J. N. Sharma, Conf. Chairman, Prof Y.D Sharma , Dr Pawan other dignitaries were present during inauguration. In the inaugural speech Prof. Banerjee said that NIT Hamirpur is going to the **centre of excellence in science** (Mathematics especially) and said that future of mathematics is safe in this pocket of INDIA as it is evident from the **quality of research being taken up by faculty of mathematics at NIT Hamirpur.**



Lamp lighting ceremony during inauguration of National Conference, AMA-2008



Prof. Banerjee (Shanti Swroop Bhatnagar awardee) addressing the participants during National Conference, AMA-2008



Release of Proceedings of TACT -09 by the dignitaries on Dias

Prof. Tejwant (PAU Ludhiana) in his keynote addressed the mathematical modeling of high pitch whistling sound in a public system and its control. Prof. Usha delivered a talk on cryptography (coding theory) useful in security systems. Prof. S. K. Gupta explored the various domains of elasticity, plasticity, creep, fracture mechanics and their applications. Invited talk on Smart materials – cracking and their immense utility by Prof. R. R. Bhargava (IIT Roorkee) was very interesting for all. Prof. Kehar Singh (Chief guest Valedictory function) stressed that research activities need to be strengthened to promote the subject which will ultimately help in advancement of sciences and engineering and applications for welfare of mankind.

Around 75 delegates from various institutes of higher learning such as IITs, NITs, and Universities across the country participated in the deliberations. The conference received 55 papers out of which 43 presented and 37 full length papers published in the proceedings. Above all, the conference was a milestone in the advancement of knowledge in mathematics and its applications. In 2010, the Department plans to organize an **International Conference** as suggested/desired by most of the participants.

A National Conference on **Technological Advances and Computational Techniques in Electrical Engineering (TACT-09)** was organised by the electrical engineering department during March 16-17, 2009.

Prof. I K Bhat, Director NIT Hamirpur was the chief guest for the event and blessed it with his presence. The conference began with his inspiring words. Dr. Barjeev Tyagi, IIT Roorkee was the guest of honour and he delivered a plenary lecture on “Frequency regulation -: *International & Indian Scenario*”. Dr. M Pathak,, IIT Roorkee delivered talk on “Multiple *high Density DC-DC Converters*”. On the day -II Dr Bhim Singh from IIT Delhi delivered a plenary lecture on” *Power Quality Problems and their Mitigation*”

Dr. Mukesh Pathak, IIT Roorkee, Dr R Jha, NIT Jalandhar, Dr A S Arora, SLIET Longowal, Dr Aradhana Ray Omicron Energy Solutions Pvt. Ltd and Dr Sushil Chauhan Chaired the five sessions. The conference Proceedings and Souvenir was released in the inaugural ceremony. More than 100 papers were received and after review by technical committee only 66 were published. In all there were 32 oral presentations on topics dealing with Powers system, Control Engineering, Signal Processing Power transformer Diagnostics and other areas of Electrical Engineering. Various experts from the academia and industry attended the conference and presented their view points on the subjects for discussion. TEQIP, TIFAC-CORE, Advanced Micronics Devices, Omicron Energy Solutions Pvt. Ltd, Metrohm India Ltd., MEGGER Limited, Doble Engineering Pvt. Limited were the major sponsors of the conference. The organizing committee comprised of Dr. Sushil Chauhan as the conference chairman, Dr. R.N Sharma as Conference General Chair, Dr Ravinder Nath as Organizing secretary and Dr Veena Sharma, Sh Himesh Handa and Sh. Amit Kaul were the organizing Secretaries.

Short Term Courses / Workshops Conducted



His Excellency Hon'ble Former president Prof. A.P.J. Abdul Kalam with the participants of the course COMOI-08

Department of Computer Science and Engineering organized TEQIP sponsored Short Term Course on **Computer Fundamentals, MS Office and Internet (COMOI-08)** from Dec 29 2008 to Jan 03, 2009. The main objective of the course was to promote computer education among masses, particular unprivileged children who do not have access to such education. During the course basic concepts about the computer, use of Microsoft office in report preparation and other applications were taught. Children were familiarized about the use of Email and Internet. Some of the participating students from higher classes were familiarized with the websites of HP education board, CBSE, AIEEE and few other educational websites. The classes were conducted by the students of CSE Department and volunteers of Literacy Mission at NIT Hamirpur. Participants had the privilege to interact with former President Dr. A.P.J. Abdul Kalam.

• Coordinators - Mrs. Kamlesh Dutta, Prof. L.K. Awasthi, Dr. Narottam Chand and Dr. R.K. Dutta.



Prof R.L Sharma, Chief Guest addressing the audience during valedictory ceremony of PROJA-09.

Department of Computer Science and Engineering organized Short Term Course on **Programming in JAVA (PROJA-09)** during March 16-20, 2009. The course was sponsored by TEQIP and supported by Open Source University Meet Up (OUSM) of Sun Microsystems for BCA, MCA, PGDCA, engineering undergraduates who look forward for a professional carrier in Information Technology. Mrs. Kamlesh Dutta, Mrs. Meenakshi Sharma, Ms. Kusum Lata, Mr. Rajeev Kumar, Mr. Avtar Singh, Mr. Suneet Gupta and Mr. Vikram Dhiman delivered lectures during the course. CSE students Mr. Varun Patial, Mr. Akhil Gupta, Mr. Sarvendra Kumar, Mr. Pankaj Sharma and Mr. Dheeraj Gupta assisted in the conduct of lab session. Apart from Java, the participants were also briefed about the Sun Campus Ambassador Program running at NIT Hamirpur in collaboration with the Sun Microsystems. Prof. I.K. Bhat, Director, NIT Hamirpur, was the chief guest. In his motivational speech Prof. I.K. Bhat gave emphasis on SMART goals and inspired everyone to setup a vision for them. He also distributed DVDs of NetBeans to all the participants. Campus Ambassador, Diwakar Jha, gave a presentation on the Sun Campus Ambassador program and Open Source University Meet Up. Coordinators - Mrs. Kamlesh Dutta, Prof. L.K. Awasthi, Dr. Narottam Chand and Dr. R.K. Dutta



Lighting of Lamp at inauguration of STC on TEP-09

A Three-day STC on Power Transformer Engineering and Practices (TEP-09) was organized by TIFAC-CORE during February 06-08, 2009. Prof I. K. Bhat, Director NIT Hamirpur was the Chief Guest of the inaugural function. The rationale behind organization of this workshop was to acquaint the final year Electrical Diploma students from Govt. Polytechnic Hamirpur about technologies being employed for Power transformer diagnostics. Faculty members of Electrical Engineering Department delivered expert lectures in the related areas. 22 participants attended the workshop. During lab sessions the attendees were given hands on training experience on transformer diagnostics equipments available in TIFAC-CORE Centre at NIT Hamirpur. Organizers Dr Sushil Chauhan, Dr R. N Sharma, Dr Veena Sharma and Er Sushil Kumar



Lighting of Lamp at inauguration of STC on PTDM-09

A Two-day workshop on Power Transformer Design and Monitoring (PTDM-09) organized by Electrical Department during March 14-15, 2009. The workshop was aimed at acquainting the participants about the latest state-of-art technologies employed for Power transformer design & diagnostics. Dr S V Kulkarni IIT Bombay, Dr V Jayshankar IIT Madras, Dr V Shrinet ERDA Vadodra, Dr S. Chakravorti Jadavpur University. Dr. M M Goswami, AGM PGC Delhi Mr S Rengarajan BHEL Hyderabad delivered expert lectures in the related area. 40 participants from diversified organizations such as HPSEB, SJVN, New Delhi Laboratories Pvt Ltd **OMICRON** Energy Solutions Pvt Ltd, Doble Engg. Pvt Ltd. MEGGER Ltd and YMCA Institute of Engg. Faridabad participated in the workshop. Coordinators: Prof Sushil Chauhan, Prof R. N. Sharma, Dr Ravinder Nath, Dr Veena Sharma, Er Amit Kaul , Er.Himesh Handa

Community Development/ Faculty Development Services



Release of CD & Proceedings of STC e-COM'09

Department of Electronics & Communication Engg. conducted a one week STC on **e-Communication & Its Applications (e-COM'09)** from 24th -28th February, 2009 under service to community of TEQIP for faculty, students of technical institutes and unemployed youth. 35 participants benefited from the course. Prof. RL Sharma Coordinator TEQIP and Prof. Saroj Rangnekar, Head Energy Center MANIT Bhopal were the chief guests. Prof. S. Rangnekar addressed the gathering and highly appreciated the initiative of E&CED Deptt in conducting a course on e-communication. Dr. Rajeevan Chandel, Head Electronics Dept, expressed her thanks to the authorities to facilitate the dept to contribute significantly in a positive direction to the society. Coordinators: Dr. Rajeevan Chandel, Er. Gargi Khanna & Er. Meenakshi Sood.

Department of Computer Science and Engineering organized TEQIP Sponsored short term community development course on **Computer Programming (CP-09)** during Feb 24-28, 2009. The participants were giving extensive theory and programming training on C++. Dr. R.L. Sharma was the Chief Guest and Dr. A.S. Singha as Guest of Honour during the Valedictory Ceremony. Dr. R.L. Sharma emphasized on the importance of such courses and also how NIT Hamirpur has been instrumental in organizing courses for community development. Dr. Narottam Chand, HoD, CSE apprised the gathering about the facilities available in the Department and about the various initiatives the Department has taken in organizing such courses for community development. Coordinators - Sh. K.S.Pandey, Sh. Siddhartha Chauhan and Sh. Rajeev Kumar.

Faculty Development

Professor HBL Vohra, Madam Chitra (GM,Equate), delivered expert lectures on Pedagogy skills during three days Pedagogy training program for NIT faculty . The program was organized by EQUATE [Effective Quality Up gradation Assistance for technical education, New Delhi] under TEQIP project from 20th – 22nd March 2009. About 35 faculty members participated in the course.



STC on Computer Programming (CP-09) Feb 24-28, 2009

Papers Published in Journals (International/National)

- **Amar Patnaik** and Alok Satapathy, (2009), Erosion Wear Response of Flyash-GF-Polyester Composites: A Study using Taguchi Experimental Design, Malaysian Polymer Journal, Vol. 2, No 2, pp1-16.
- **J.N Sharma** and Satish Sharma “Lamb waves in microplastic solid plates immersed in liquid with varying temperature” *Meccanica* Available online, www.springer.com
- **J.N Sharma**, Satish Sharma Y.D Sharma “Effect of micropolarity, microstretch and relaxation times on Rayleigh surface waves in thermoelastic solids” *Journal of Applied Mathematics and Solids* Vol 5 pp17-38, 2009
- **J.N Sharma** and Ruchika Sharma, Modeling of thermoelastic Rayleigh waves in a solid underlying a fluid layer with varying temperature, *Applied Mathematical Modeling* Vol 33 pp 1683-95, 2009
- **Dr. R.K. Dutta**, Mohamed Y. Al-Aghbari and **Raman Parti** “Use of Oil Contaminated Sand in Rural Roads” *International Journal of Earth Sciences and Engineering* Vol. 02, (1), 2009, pp 73-80.
- Alok Satapathy and **Amar Patnaik**, (2008), Wear Characteristics of Metal Matrix Composites Reinforced with Fly-Ash Particles, *Journal of Reinforced Plastics and Composites*. September 4, doi.org/10.1177/0731684408092453.
- **R.R. Dash**, C. Balomajumdar & A. Kumar, Removal of metal cyanides from aqueous solutions by suspended and immobilized cells of *Rhizopus oryzae* (MTCC 2541), *Engineering in Life Sciences Journal* (Wiley Interscience), 2009, Vol. 9, No. 1, pp. 53- 59.
- S.S. Mahapatra, and **Amar Patnaik**, Study on Mechanical and Erosion Wear Behavior of Hybrid Composites using Taguchi Experimental Design, *Materials and Design*, 10.1016/j.matdes.2009.01.037.
- **Gargi Khanna**, Rajeevan Chandel, Ashwani Kumar Chandel, Sankar Sarkar, “Analysis of Non-Ideal Effects in Coupled VLSI Interconnects with Active and Passive Load Variations”, Vol. 26, No.1, pp. 3-9, *Microelectronics International Journal*
- A.S. Singha and Vijay Kumar Thakur “Mechanical, morphological and thermal properties of *Pine needles* reinforced polymer composites” *International Journal of Polymeric materials*, 58 (1), 21, 2009 (Taylor and Francis).
- A.S. Singha and Vijay Kumar Thakur “Mechanical, thermal and morphological properties of *G. optiva* fiber/ polymer matrix composites”. *Polymer - Plastics Technology and Engineering*, 48 (2), 201, 2009 (Taylor and Francis).
- A.S. Singha and Vijay Kumar Thakur “Synthesis and Characterization of Short Saccharum Ciliare fibre reinforced polymer composites” *E - Journal of Chemistry*, 6(1), 34, 2009.
- A.S. Singha and Vijay Kumar Thakur “*Grewia optiva* fiber reinforced novel, low-cost polymer composites”. *E - Journal of Chemistry*, 6(1), 71, 2009.
- **R.R. Dash**, A. Gaur & C. Balomajumdar, Cyanide in Industrial Wastewaters and its removal: A Review on Biotreatment, *Journal of Hazardous Materials* (Elsevier), 2009, Vol. 163, No. 1, pp. 1-11.
- Manish Taunk, Atul Kapil and **Subhash Chand** “Synthesis and electrical characterization of self-supported polypyrrole-poly(vinylidene fluoride) composite films” *The Open Macromolecules Journal*, Bentham Science Publishers
- **R.R. Dash**, C. Balomajumdar & A. Kumar, Removal of cyanide from water and wastewater using granular activated carbon, *Chemical Engineering Journal* (Elsevier), 2009, Vol. 146, No. 1, pp. 408-413
- **R.R. Dash**, C. Balomajumdar & A. Kumar, Treatment of Cyanide Bearing Water/Wastewater by Plain and Biological Activated carbon, *Journal of Industrial Engg. & Chemistry Research* (ACS), 2009, Vol. 48, No. 7, pp. 3619-3627.
- **Pardeep Kumar** and N. M. Bhandari, “Assessment of Masonry Arch Bridges”, *Highway Research Journal*, Vol 1, no. 2, Special Issue, Dec. 2008, pp. 93-111.
- **R.L Sharma** “Performance characteristics of Hydraulic Ram Pump” *Institution of Engineers India* Vol. 90 pp 1-4
- Sandhyarani Biswas, Alok Satapathy and **Amar Patnaik**, (2009), Erosion Response of Glass-Epoxy Composites Filled with Red Mud Particulates, 50th Technical Journal of Orissa State Centre, Institutions of Engineers (India), pp.14-27.
- Alok Satapathy, Sandhyarani Biswas and **Amar Patnaik**, (2009), Manufacturing of low-cost Polymer Composites using available Bio-resources of Rural Orissa, 50th Technical Journal of Orissa State Centre, Institutions of Engineers (India), pp.206-216.
- **Jashandeep Singh**, Yog Raj Sood, Pious Verma, R. K. Jarial, “Standards related with Insulation of Power Transformer”, published in *Electrical India*, Vol 49, No 3, March 2009, pp 88-92.
- **Yog Raj Sood**, Randhir Singh, “Himachal Pradesh as a Power State of India”, published in *Electrical India*, Vol. 48, No 12, December 2008, pp. 98-104.
- **Yogesh Gupta** and Sanjeev Kumar, “A Comparative Study of Priority Sector Lending in India by Public and Private Sector Banks”, Vol. No. LXXXIX, No.353 Part II, October, 2008, pp-193-204, *The Indian Journal of Economics*, Departments of Economics and Commerce, University of Allahabad, Post Box No.2005, Allahabad -211002 (INDIA)
- **Piar Chand and Yogesh Gupta**, “Expansion of Technical Education in Himachal Pradesh-A Case Study”, Vol. No. 1: No.1 November, 2008, pp-29-34, *SRDE's Journal of Higher Education*, Plot No.4, Pocket A-1, Sector 8, Rohini, Delhi-110085.

Papers Published in Conferences (International/National)

- **A.S. Singha** and Vijay Kumar Thakur “Surface modification of Saccarum Cilliare fiber through Silane treatment”. International Conference on Polymers (POLYMCON'09) NIT Calicut.
- **R.R. Dash**, Rakesh Dash, P. Kumar, I. Mehrotra, ‘Water Quality Improvements during Riverbank Filtration’ in proceedings of 7th International R&D Conference, held at Bhubaneswar (Orissa), India from February 4-6, 2009.
- Atul Kapil and **Subhash Chand** “Synthesis and electrical conductivity study of p-tolunene sulphonic acid doped poly-(N-methylaniline)” International Conference on Polymers (POLYMCON'09) NIT Calicut.
- **S.S Katoch, I K Bhat, and Varun**. 2009. “Sequestration and Storage of CO₂ for Climate Recovery”. International Conference on Energy and Environment 'Enviro-Energy 2009' Chandigarh, India March 19-21.
- **Kamlesh Dutta**, Monika Sethi, Saroj Poonia and Mrityunjay Singh, “Multicast Routing Protocol for MANETs: A Survey”, IISN-2009, February 14-16, 2009.
- Mukesh Chawla and **Kamlesh Dutta**, “SAP: Secure Aggregation Protocol for Wireless Sensor Networks”, IEEE International Advance Computing Conference IACC, March, 2009.
- Monika Sethi, Saroj Poonia Mrityunjay Singh and **Kamlesh Dutta**, “A Survey on Hierarchical Routing Protocol for Wireless Sensor Network”, IEEE International Advance Computing Conference - 2009.
- **Amar Patnaik** and Alok Satapathy, “Wear behaviour of pine bark reinforced cement by-pass dust filled polyester composites”, 25th Annual meeting of polymer processing society (PPS – 25), 01 – 05 March, 2009.
- **Amar Patnaik**, Alok Satapathy and Sandhyarani Biswas, “Abrasive wear performance of glass fiber reinforced polymer matrix composites” International Conf. on Techno. and Business Mgmt. Al Ghurair Univ. Dubai, 2009, Mar. 29- April 1.
- A.S. Singha and Vijay Kumar Thakur “Biomass Based Polymer Matrix Composites”. POLYMCON '09 (NIT Calicut).
- **Surjit Singh Katoch, I. K. Bhat and Varun**, **Sequestration** and Storage of CO₂ for Climate Recovery, International Conference on Energy and Environment organized by NIT Kurukshetra at Taj Chandigarh, March 19-21, 2009.
- Harshdeep Sharma, **Varun** and Nitin Agarwal, Thermodynamic Design Optimization of A Counter Flow Heat Recuperator, National Conference on Advances in Mechanical Engineering Organized by MIT Moradabad, Feb 28 & March 01, 2009.
- Harshdeep Sharma, **Varun**, Thermal Analysis of Triple Concentric-Tube Counter Flow Heat Exchangers, National Conference on Advances in Mechanical Engineering Organized by MIT Moradabad, Feb 28 & March 01, 2009.
- Prashant Verma, Varun and Niraj Kumar, Nanotechnology: A Technological Boom, National Conference on Advances in Mechanical Engineering Organized by MIT Moradabad, Feb 28 & March 01, 2009.
- **Samarth Saxena, Meenakshi Sood, Gargi Khanna, Surender Soni**, “Power Level Adjustment Based Low Congestion MAC for Ad Hoc Networks”, in the IEEE International Advance Computing Conference (IACC'09) at Thapar University, Patiala on 6-7 March, 2009.
- **V. Sulochana, Gargi Khanna**, “Design Optimization of VLSI interconnects by wave pipelining in deep submicron technologies”, Proceedings of National Conference on TACT-09 organized by EED, NIT Hamirpur, w.e.f. March 16-17, 2009.
- **Meenakshi Sood, Gargi Khanna** “Application of Artificial Neural Network in Microstrip Antenna Design ”in National Conference on Technological Advances & Computational techniques ‘TACT’09 in March, 2009
- **OP Rahi, Ashwani Kumar Chandel, RC Chauhan** “Congestion Management in the Deregulated Environment –A Bibliographic Survey” in the “TACT”09.
- **Deepika Yadav**, R. Naresh, V.Sharma, “Hydro Electric Generation Models for Hydro Power Station Studies” Proceedings of National Conference TACT-2009
- **Venkateshwarlu Kesari**, R. Naresh, V.Sharma, “An overview of Dynamic Programming model to minimize Spill for Optimal operation of a Hydro Power Plant” Proceedings of National Conference TACT-2009
- **Anuradha Tomar**, Veena, and R. Naresh, “Safe grounding grid design for substation” National Conference on Technological Advances and Computational Techniques (TACT-09) organized by EED, NIT March 16-17, 2009.
- **Deepika Yadav**, R. Naresh, V.Sharma, “Hydro Electric Generation Models for Hydro Power Station Studies” Proceedings of National Conference TACT-2009
- **Venkateshwarlu Kesari**, R. Naresh, V.Sharma, “An overview of Dynamic Programming model to minimize Spill for Optimal operation of a Hydro Power Plant” Proceedings of National Conference TACT-2009
- **Vikas Mohan**, V. Sharma , R.Jha, “State Space Controller Design for Inverted Pendulum System” National Conference on Technological Advances and Computational Techniques (TACT-09)
- **Sushil Kumar**, R. Naresh, Veena Sharma, “Hydrothermal Scheduling Using Differential Evolution” Proceedings of National Conference on TACT-09 organized by EED, NIT Hamirpur, w.e.f. March 16-17, 2009.
- **Vanita Thakur**, R. Naresh, Veena Sharma, Sushil, “An approach to Optimal Environmental/Economic Dispatch” Proceedings of National Conference on TACT-09 organized by EED, NIT Hamirpur, w.e.f. March 16-17, 2009.
- **Manisha Vashisth**, R. Naresh, Veena Sharma, “Techniques for Fault Diagnosis of Transformers using DGA” Proceedings of National Conference on TACT-09 organized by EED, NIT Hamirpur, w.e.f. March 16-17, 2009.
- Atul Kapil and **Subhash Chand** “Low temperature charge transport study in p-toluenesulfonic acid doped polyaniline” National Conference on Advanced Materials and Radiation Physics 2009, Department of Physics SLIET Longowal (Punjab).

- A.D Bhat “Adaptive meshing for heterogeneous objects using B- Spline knot insertion technique and its analysis with graded element” Proceedings of National Conference on Advances in Mechanical Engineering, NCAME 2009, pp 133-142, 2009.
- Randhir Singh, **Y. R. Sood**, “Promotion of renewable sources in India” published in the proceedings of National Conference on Recent Trends and advancements in computing, February 27-28, 2009 at JCDDM College of Engineering, Sirsa, pp.33-36.
- Bharti Bakshi, **Y. R. Sood**, “ An Introduction to Evolutionary Computation Techniques” published in the proceedings of National Conference on Recent Trends and advancements in computing, February 27-28, 2009 at JCDDM College of Engineering, Sirsa, pp.37-40
- R. S. Dahiya, **Y. R. Sood**, Ved Parkesh, “Development of Indian Power Sector and interconnected grid management”, published in the proceedings of National Conference on Recent Trends and advancements in computing, February 27-28, 2009 at JCDDM College of Engineering, Sirsa, pp.41-45.
- Ved Parkesh, **Y. R. Sood**, N.P. Padhy, “Review of networking pricing allocation methods in deregulated power sector”, published in the proceedings of National Conference on Recent Trends and advancements in computing, February 27-28, 2009 at JCDDM College of Engineering, Sirsa, pp.46-47.
- Jashandeep Singh, **Yog Raj Sood**, Piush Verma, R. K. Jarial, “Indian and American Standards of Power Transformer”, published in the proceedings of National Conference on Recent Trends and advancements in computing, February 27-28, 2009 at JCDDM College of Engineering, Sirsa, pp.67-69.
- Ved Parkesh, **Y. R. Sood**, N.P. Padhy, “OPF using generating Alogoritham”, published in the proceedings of National Conf. on Recent Trends and advancements in computing, February 27-28, 2009 at JCDDM College of Engineering, Sirsa, pp.73-74.
- Randhir Singh, **Y. R. Sood**, “Development of Renewable Energy Sources for Indian Power Sector moving towards Competitive Electricity Market”, accepted for PES General Meeting 2009 to be held on 26-30 July, 2009 in Calgary, Alberta, Canada.
- Gaurav Shrivastava, R. K. Jarial, **Y. R. Sood**, “Study and Analysis of Some Methods for DGA of Transformer Mineral Oil”, Proceedings of National Conference on TACT-2009 , NIT Hamirpur.
- **Yog Raj Sood**, “Evolutionary Programming based Optimal Power Flow”, invited key note, published in the proceedings of National Conference on Recent Trends and Advancements in Computing, February 27-28, 2009 at JCDDM College of Engineering, Sirsa (Haryana), pp.73-74.
- Singh D. and **Sharma, R. K.**, 2009, "Modeling of Fluid Flow in Axial Groove of Journal Bearing Using Computational Fluid Dynamics" Proceedings of National Conference TACT-2009 pp.64-67.
- Kango, K. and **Sharma, R. K.**, 2009, "Influence of Surface Texturing on the Performance of Fluid Film Bearings commonly Adopted in Power Generation Industry" Proceedings of National Conference TACT-2009 pp. 255-260.
- **Sharma, R. K.**, 2009, "Condition Monitoring Tools for Power Generating Units: A Case Study for Oil Analysis" Proceedings of National Conference TACT-2009, pp.93-99
- Vineet Kumar, Susheel Mittal, and **Surjit S Katoch**. 2009. Biomedical Waste Management – Global Scenario and Strategies. National Conference on Advances in Chemical Engineering [AChemE 2009] Thapar University, Patiala Feb.27-28,2009
- Vineet Kumar and **S.S. Katoch**. 2009. “Modelling Waste Generation Rate from the Health Care Facilities. National Conf. on Recent Advances in Waste Management , IT BHU, Varanasi Feb.20-21.
- Jashandeep Singh, **Yog Raj Sood**, Piush Verma, R. K. Jarial, “Diagnostic Techniques for Condition Monitoring of Power Transformers” Proceedings of National Conference on RAEE, 26-27 Dec.2008, NIT Hamirpur.
- Randhir Singh, **Y. R. Sood**, Ajay Swaroop Raturi, “Status of Regulatory Policies and Tariff Framework for Renewable Energy Sources in India Proceedings of National Conference on RAEE, 26-27 Dec.2008, NIT Hamirpur.
- **R.K.Jarial, Y. R. Sood**, Sanjeev Kr. Bhalla, **Rajiv Kr. Sharma**, “Estimation & Mitigation of Harmonic Distortion in Electrical Distribution Systems-A Case Study” Proceedings of National Conference on RAEE, 26-27 Dec.2008, NIT
- Renu Thakur, **Dr. Y. R Sood**, Dr. R. K Jarial, Randhir Singh, “Study and Analysis on EMI/EMC Issues” accepted for publication in WCSET 2008 Congress (conference), December 17-19, 2008, Bangkok, Thailand, NIT Hamirpur
- **Kamlesh Dutta**, Monika Sethi, Saroj Poonia and Mrityunjay Singh, “Multicast Routing Protocol For MANETs: A Survey”, National Conference on ETCC, Hamirpur, pp 233-238, Dec 2008
- Anjum Sharma, Kusum Lata, **Kamlesh Dutta** and Rajeev Kumar, “Comparative Assessment of Open Source Software using Easy Accessible Data” National Conference on Emerging Trends in Computing and Communication, pp. 309-314, Dec 2008.
- **Kamlesh Dutta**, Monika Sethi, Saroj Poonia and Mrityunjay Singh, “Hierarchical Routing Protocol for Wireless Sensor N **Naveen Chauhan**, Ankit Chugh, Pankaj Thakur and Nalin Chaman, “A Simulation Model For Implementing Collision Detection & Avoidance in VANETs”, National Conference on ETCC, pp. 295-299, Dec 2008.
- Surendra Kumar, Amit Nayyer and **Naveen Chauhan** “A Survey on TCP over Wireless Networks”, National Conference on Emerging Trends in Computing and Communication, pp. 96-102, Dec 2008.
- **Siddhartha Chauhan**, Mrityunjay Singh, Monika Sethi and Saroj Poonia, “A Survey on Localization Algorithms For Mobile Sensor Networks”, National Conference on ETCC, pp. 131-137, Dec 2008
- Rajesh Sharma and **Lalit Kumar Awasthi**, “Checkpointing in Mobile Computing Environment - An Analysis”, National Conference on Emerging Trends in Computing and Communication, pp 416-420, Dec 2008.
- **Raman Parti**, B.R. Marwah and P.K. Kalra “ Modeling For Selection Of Fast Corridors In A Metropolitan City” Proceedings of Transportation Planning and Implementation Methodologies For Developing Countries TPMDC Dec. 2008, IIT Bombay,
- **Raman Parti & S.S .Katoch**, “Efficient Transportation Planning And System Integration For Healthy Environment Of Large Cities” Proceedings Of International Conference Of Energy And Environment “Enviroenergy - 2009” Chandigarh

Courses, Seminars, Workshops and Training Programmes Attended

- Dr. Rajeevan Chandel & Er. Gargi Khanna attended ZOPP'09 Workshop under SMDP-II Project at IIT Bombay on 13-14 Feb., 2009.
- Ms. V Sulochana student MTech VLSI Design E&CED presented paper in National Conference on Technological Advances and Computational techniques TACT'09 in Electrical Engineering NIT, Hamirpur (HP) on 16-17 March, 2009
- Mr. Samarth Saxena student MTech VLSI Design E&CED presented paper titled "Power Level Adjustment Based Low Congestion MAC for Ad Hoc Networks" in IEEE International Advance Computing Conference (IACC'09) at Thapar University, Patiala on 6-7 March, 2009.
- Prof I.K Bhat, Dr R. N. Sharma, Dr. N.S Thakur, Dr S.S Katoch and Sh Varun attended International Conference on Energy and Environment (ENVIRO-ENERGY 2009) organized by NIT Kurukshetra in which Dr R.N Sharma has the honor of convening three technical sessions at Taj Chandigarh during March 19-21, 2009.
- D.S.Jaswal Librarian and Dr.A.D. Bhatt attended the international CALIBER- 2009 at Pondyicherry University, Pondyicherry on 25-27 Feb, 2009
- Sh. P. K. Sood attended Short term Training Programme on Welding for fabrication & repair in Hydro Power Industry (Dec 20-23, 2008) Organized by Department of MIED, IIT Roorkee
- Dr S.S Katoch attended short course on 'Delivering High Quality Services in Guest House' at Indian Institute of Technology Bombay during February 20-21, 2009.
- Dr. R.R. Dash attended 7th International R&D Conference, held at Bhubaneswar (Orissa), India from February 4-6, 2009
- Dr. Rajesh Sharma attended National Conference on Technological Advances and Computational Techniques in Electrical Engineering, w.e.f 16-17 March 09
- Dr. R.R. Dash attended 7th International R&D Conference, held at Bhubaneswar (Orissa), India from February 4-6, 2009.
- Dr. Rajeevan Chandel & Er. Gargi Khanna - ZOPP'09 Workshop under SMDP-II Project IIT Bombay on 13-14 Feb., 2009.
- Mrs. Kamlesh Dutta and Mr. Pardeep Singh attended a two days workshop on "Advances in Information Security" at Punjab Engineering College Chandigarh during Feb 24-25, 2009.
- Dr Sunand Kumar, Dr Rajesh, Dr Rajiv Kumar Sharma (MED); Dr. Narottam Chand, Mr. K.S. Pandey and Mr. Rajeev Kumar (CSE), Dr Vinod Kapoor, Dr Rajeevan Chandel, Er Krishan (ECE) Dr. Aswani Chandel, Er Amit Kaul (EED) attended a three days workshop on "Pedagogy training for faculty" at NIT Hamirpur during Feb 20-22, 2009.
- Prof Rakesh Sehgal, Prof Vinod Kapoor and Prof R.K Sharma attended Confederation of Indian Industries CII meeting at Parwanoo, Himachal Pradesh Organized by Himachal State Centre on 3 March 2009
- Dr. Amar Patnaik, attended International Conference on Technology and Business Management (ICTBM), at Al Ghurair University, Dubai March 29- April 1 2009, and presented a paper on Abrasive wear performance of glass fiber reinforced polymer matrix composites.
- Dr. Raman Parti participated in the Indian Roads Congress 69th annual session from 13-16, Dec. 2008 at Kolkata.
- Dr. Raman Parti participated in the Interactive workshop on "Performance of National Quality Monitors and State Technical Agencies" at National Institute of Training Highway Engineers (NITHE) from 9th and 10th February, 2009 at New Delhi.

Expert Lectures Organized

- Dr M. M. Goswami Additional General Manager Power Grid Corporation of INDIA delivered series expert lectures on "Challenges in Power Transformer design and maintenance" and "On-line monitoring of Bushing and OLTC" on March 14-15, 2009 in EED NIT Hamirpur.
- Prof S. V. Kulkarni Electrical Engineering Department IIT Bombay delivered series of expert lectures on "Insulation design & Processing", "Short circuit forces and withstand", "Detection of Winding dislocation", "Stray loss evaluation & control" and "Fundamentals of Electromagnetics" on 14-15 March, 2009 in EED NIT Hamirpur.
- Dr V. Jaishankar IIT Madras delivered expert lecture on "Detection of Winding dislocation" on March 14, 2009 in EED NIT Hamirpur
- Mr S. Rengarajan from BHEL R&D Corporation Hyderabad delivered expert lecture on "On Site Detection of PD in Transformer" on March 14, 2009 in EED NIT Hamirpur
- Dr V Shrinet from ERDA Vadodra delivered expert lecture on "Significance of Oil properties & DGA" on March 15, 2009 in EED NIT Hamirpur.
- Prof Sivaji Chakaravorti Jadhavpur University Kolkatta delivered series of expert lectures on "Cellulose ageing" and "Moisture determination" on March 15, 2009 in EED NIT Hamirpur.
- Dr M. G. Sharma from Himachal Pradesh State Electricity Board delivered expert lecture on "Modern trends in power transformer design requirements" on February 27-2009 in EED NIT Hamirpur.
- Er. Atul Singh Minhas, Ph.D. Scholar in Biomedical Engineering, Kyung Hue University, South Korea delivered lecture on "Magnetic Resonance Electrical Impedance Tomography: a novel Medical Imaging Modality" on 04 Feb 2009 for faculty and students in E&CE Department NIT Hamirpur

Expert Lectures/Keynote talks Delivered

- **Prof. I. K. Bhat** inaugurated the 2nd National Conference on Next Generation Computing and Information Systems (NGCIS 09) at MIET, Jammu and delivered Keynote address on “Future Generation Computing” on 15th February 2009. Delivered a keynote talk on “Routing Protocols in wireless networks” at National Conference on Next Generation Computing and Information Systems (NGCIS 09) on 15th February 2009.
- **Prof. I.K. Bhat** delivered an expert talk on “Managing SMART Goals in IT Projects” in PROJA-09.
- **Prof. I.K. Bhat** delivered an expert talk on “Global accreditation systems : A comparative study” National Conf on Education 21 april 2009 Organised by Confederation of Indian Industries
- **Dr R. N. Sharma** delivered lectures on “Hydrothermal Scheduling” and “Software for Scheduling and Optimization of Hydro Power Plants” in STC on “Advances in Power System Operation and Control” 01-05 Dec, 2008 at NIT Kurukshetra.
- **Dr R. N. Sharma** delivered expert lecture on “Dissolved Gas Analysis of Transformer Oil” during STC on Power Transformer Engineering and Practices organised by TIFA-CORE during February 06-08, 2009 at NIT Hamirpur.
- **Prof Y.R Sood** delivered expert lecture on Genetic Algorithm and Evolutionary Programming-Applications to Optimization”, expert talk/tutorial delivered on December 27, 2008, during RAEE-2008 Dec. 26-27, 2008, at NIT Hamirpur.
- **Prof Y.R Sood** delivered expert lecture on “Optimization with Evolutionary Programming”, expert lectures delivered at Haryana College of Technology & Management (HCTM) Kaithal (Haryana) on 26th Feb. 2009.
- **Prof Y.R Sood** delivered lecture on “Evolutionary Programming based Optimal Power Flow”, February 27-28, 2009 at JCD College of Technology Sirsa (Haryana) on 27th Feb. 2009.
- **Prof Lalit K. Awasthi** delivered a talk on “Challenges in Devising Secure Routing Protocols for Adhoc Networks” at SVNIT Surat, Feb. 2009.
- **Prof Lalit K. Awasthi** delivered talks on “Introduction to Pedagogy Workshop” and “Effective Assessment” during a workshop on “Pedagogy” at KNIT Sultanpur on 5-6 January 2009.
- **Prof Lalit K. Awasthi** delivered Invited talks on “Proactive Routing Protocols for MANETS” and on “Reactive Routing Protocols” and on “Hybrid Routing Protocols” at FDP at NIT Jalandhar, December 2008.
- **Prof. A.D Bhat** delivered lecture on "CT Scan Images to Human Body Modeling: Research and Applications" on 27th February 2009" at Pondichery Engineering Collge, Pudichery.
- **Prof. A.D Bhat** delivered expert lecture on "Computer Aided Design: Recent developments and Applications" on 26th February 2009" at V.R.S. College of Engineering & Technology, Arasur, TN.
- **Prof. A.D Bhat** delivered expert lecture on "Rapid Prototyping and Rapid Manufacturing: Developments" on 28th February 2009" Inaugral Address at Science Day Celebrations at Mailam Engineering College, Mailam, Villupuram Dist., Tamilnadu
- **Dr. Pradeep Kumar** delivered 02 lectures on “Vulnerability assessment of Structures” and “Seismic Evaluation and Building Topology studies” at NIT Kurukshetra under National programme for capacity building of engineers in Earthquake Risk management on 24th Dec, 2008.
- **Dr. Rajeevan Chandel** delivered lectures on Fundamentals of Electronics Engineering; Radio Communication; and Soft skills & E-Communication, **Er. Gargi Khanna** on Electronic Circuit Design techniques and Mobile Communication & Hazards. **Er. Meenakshi Sood** on Basic electronics circuits and Data Communication in STC on e-COM’09.
- **Er. Surender Soni** delivered lecture on Digital Electronic, **Er. Ashok Kumar** on Digital Communication, **Er. Krishan Kumar** on Microwave and Satellite Communication, **Er. M.R. Bharti** on e-Governance and **Er. Gagnesh Kumar** on e-Computing in STC on e-COM’09.
- A seminar cum talk was delivered by **Dr. Rajeevan Chandel** on Progress, Objectives & Future of SMDP-II VLSI, **Er. Gargi Khanna** on VLSI Activities of SMDP-II Project, on 3 Mar 2009 E&CE Dept NIT Hamirpur.
- A talk was delivered on System Administration & Linux by **Er. Philemon Daniel** and **Er. Gagnesh Kumar** and demonstrated by Er. Lalit Mohan on 5th March, 2009 in E&CE Dept.
- **Er O.P Rahi** delivered an expert lecture on “Fundamentals of Power Transformer-I,” “STP on Transformer Engineering and Practices”, 06-08 February 2009, EED, NIT Hamirpur under TIFAC-CORE project in Power Transformer Diagnostics.
- **Mrs. Kamlesh Dutta** delivered expert lecture on “Cyber Security and Cyber Crime” at Police Training College, Daroh, Kangra.
- **Mrs. Kamlesh Dutta** delivered lecture on “Programming Language Paradigm” and **Mr. Rajeev Kumar** on “Error Handling and Assertion Methods in PROJA-09.
- **Dr. Ashwani Kumar** Chandel delivered an expert lecture on “Modern Trends in Transformer Cooling”, in STC on Transformer Engineering & Practices, Feb 6-8 2009 TIFAC Core, NIT Hamirpur
- **Prof. Anoop Kumar** delivered a keynote address on Computational Fluid Dynamics and Applications during National Conference at MIT Moradabad on 28th Feb 2009

Student Activities



Interactive session of Civil Engineering 2nd year students at Tehri Dam seminar hall with engineers



2nd year students of Electrical Engineering Department to Satluj Jal Vidyut Nigam Ltd.

B.Arch students listening to Prof. Skye Morrison, Adjunct Prof. , Concordia University .



Art gallery of paintings by NITH students

- A 04 day trip was organized for the Civil Engineering 2nd year students to Survey of India (SOI) and Tehri Dam from 5th- 9th March 2009. At SOI the procedure of printing of topographic, 2D and 3D geographic maps using colored scales and references were demonstrated. At the tehri dam site students got the insight about structural design of the dam and tunnels, and the process of power generation during an interactive session with the engineers presently working with the project.
- An educational trip was organized for the 2nd year students of Electrical Engineering Department to Satluj Jal Vidyut Nigam Ltd. (SJVN), Jhakri from 23-25, Jan. 2009. At SJVN students witnessed various aspects related to generation of power and powers systems control.
- Department of Architecture on 30th March, 2009 organised Expert Lectures for students on the topic "The Vernacular Architecture of Himachal Pradesh". Ar. Jay Thakkar, faculty School of Interior Design, CEPT University, Ahmadabad, India. Prof. Skye Morrison, Adjunct Professor in the Faculty of Fine Arts at Concordia University, Montreal, Ar. Miss Katrin Mueller from Germany deliberated about various aspects related to Vernacular Architecture of Himachal Pradesh.
- Mr. Atul Kapil, Ph.D. Scholar, under Dr. Subhash Chand AP Physics, received the 'Young Researcher Award' (including cash prize of Rs. 2000/-) for presenting paper entitled "Synthesis and electrical conductivity study of p-toluen sulphonic acid doped poly-(N-methylaniline)" in an International Conference on Polymers (POLYMCN'09) organized by NIT Calicut and The Leeds University (UK), during January 9-11, 2009 at Calicut
- SRIJAN- the Annual student's magazine, for the year 2008-2009 was unveiled in the auditorium on 17th of April, 2009 amidst a flabbergasting crowd of over 600 by Hon'ble Director Sir, Prof I.K Bhat. The presence of various respected faculty members and TIME Chandigarh's Correspondent Saurabh Jaiswal marked the event as a commemorative one. The magazine was headed by Mr. Prashant Pandey who was the student's chief editor. The theme of this year's magazine was "Vivid Voices".
- An Art gallery of paintings brought out on canvas by NITH students was unveiled by Prof I.K Bhat, Director in the Institute Auditorium on 18 April 2009. Prof Bhat, Dr Vijay Shankar Dogra (President, Student activities) and faculty members took great interest in paintings and praised the students for presenting their emotions, dreams and thoughts on canvas.
- Mr Debarshi Ray, Mr Rakesh pundit and Mr. Arjun Shalinar alumni of NIT Hamirpur (2003-07 batch) conducted a three day workshop on Software Activity for students of CSE and ECE of NIT Hamirpur from 20-22 March 2009

The National Institute of Technology, Hamirpur played host to the first ever **National Indian Students Forum (NISF)** from 30th March to 3rd April, 2009. With a central theme of “**Nurturing Leadership**”, the congregation aimed at empowering the engineering student community by creating awareness, cultivating leadership and organisational skills among student leaders from all across the country. The concept to organize NISF came from Prof. I.K. Bhat, Director NIT Hamirpur, who was coordinated by Dr. Vijay Shankar Dogra, President, Student Activities, a cohesive team of about 30 devoted students steered by Abhinab Pradhan and Asheesh Pal (Student coordinators). The gathering saw an extensive participation from across the length and breadth of the country with 90 students representing 19 different colleges which engaged in fruitful discussions to ponder upon the problems which stare at the engineering education and to work out formidable solutions. 04 European trainers- Agnieszka Strycharz, Kristina Cernousovaite, Julia Ivanova, and Rok Mihevc, representing different European Student organisations were present to conduct the workshop. The penultimate day of the forum saw representatives of the industries (Microsoft, MGRM, Dessault Systems, Infosys, Reliance Communication, Altair Communications) and noted academicians Prof. R. Natarajan (ex-chairman AICTE), Prof. M U Deshpande (Member secretary AICTE), Prof. K S Sayaan (Chairman, ISTE North Zone).engaged in panel discussion with the students on how does the industry see the future engineers shaping up to fit in a cruelly competitive corporate world. The various sessions conducted by the trainers helped participants to understand the importance of team dynamics, problems sound engineering education system faces , empowerment of youth. The participants discussed about Rural and Social problems, Lack of motivation and sustainability, Non Availability of resources and absence of a concrete network. To converge their energies to get overpower these problems, a student body called STRIVE was born with an aim to bring together the most proactive student leaders from across the country, who through a sustained and an infallible network can help create a resource pool to work towards a common goal. With a continuous involvement in refining the standards of engineering education, STRIVE aims to empower the students to critically analyse the engineering scenario and to instil in a new passion and vigour for engineering.

His Holiness Dalai Lama graced the concluding session on 3rd April, 2009 with an enlightening speech on “**Ethics of a meaningful life**”. The curtains on the first NISF were brought down with a concrete action plan for the next NISF at Nirma University, Ahmedabad and a training program developed for the student leaders of India this summers at Chitkara University, Chandigarh.



NISF team with His Holiness Dalai Lama

Sports Activites



March past by students during annual sports Meet 2009



Institute record in High Jump of 5 feet 7 inches by Veeresh.



Inter year tournament Boys (Overall champions, Final Year)

Prof R. L Sharma inaugurated the 22nd **Annual sports meet** (21st and 22nd march, 2009) in the sports complex of NIT, Hamirpur. Dr Lalit Awasthi (Dean S&AA) Prof. A.S Singha (Dean P&D), Sh R.K Jamalita (Sports officer), Shri Himesh Handa (Coordinator Sports), Dr V.S Dogra (President Student activity) and other faculty members were also present on the occasion. The events like 100m, 200m 400m, 800m, 1500m, 5000m races, long jump, high jump, triple jump, short put, discus throw, javelin throw, 4×100 and 4×400 relay races were organized

Sunil Kumar (07307) was declared as the best athlete among boys and **Kshma Dwivedi (06618)** was declared as the best athlete among girls

Veeresh (05422) of Final year Electronics and Communication Engineering created institute record in High Jump of 5 feet 7 inches.

Tug of War between Faculty and Final year students was also organised.

Throughout the year inter year and inter branch tournaments were organised for the session 2008-2009.

In the inter branch tournaments, Electrical Engineering department was declared as overall champions in girls section.

In the Inter branch tournaments, Computer Science Engineering department was declared as over all champions in boys section.

In the Inter year tournament 2nd year was declared as overall champions in girls section.

In the Inter year tournament, Final year was declared as overall champions in boys section.

2nd edition of NCT Cricket League (NITH Champions Trophy) was held in March-Apr '09 in which 24 teams took part with Mavericks clinching the title from LLD in a thrilling finale. Massive crowd, tight finishes and upcoming players were the highlights of this season.

3rd NPL (NITH Premier League-Football) organized by Dimensions was held in March-Apr '09 in which 5 teams participated with Harriers ending up as champions.

A basket ball league was organized in the month of March 2009. Five teams consisting of boys and girls participated in the same

Outside Institute

Our Students also visited NIT Jaipur in the month of February -09 and participated in the games like football, volleyball, basket ball, table tennis and badminton. In volleyball and table tennis our teams reached the semi-finals.

Our Cricket team Participated in Inter Engineering Deemed University Cricket Championship at Punjab Engineering College, Chandigarh held during 10-12 April 2009. Total Six Teams from the region (NIT Hamirpur, NIT kurkushetra, NIT Jalandhar, PEC Chandigarh, S.L.I.E.T Longowal) participated in three day tournament. Team NIT, Hamirpur bagged second position and won runners trophy

Recognition and Awards

- Prof I.K Bhat has been appointed as a member of task Force on Formulation of TEQIP-II
- Prof I.K Bhat Chaired session in International Conf. on 'Enviro-Energy 2009' Chandigarh, 19-21.March 2009
- Prof. Rakesh sehgal has been nominated as Executive Member of Tribology Society of India(Student affairs Session 2009-2010)
- Prof. A.S.Singha has been elected as Editorial Board Member of "International Journal of Polymer Analysis and Characterization" published by Taylor and Francis
- Prof Lalit Awasthi and Dr. Rajeevan Chandel are members of the committee to examine the Project Report of Maharaja Agrasen Technical Education society New Delhi to establish private University in H.P
- Dr. Ashwani Kumar Chandel, Assistant Professor EED, NIT Hamirpur, has been awarded Research Project on "Identification of Harmonic Sources in Power Systems", by CSIR New Delhi with effect from February 2009 for a period of three years with an initial installment of Rs. 7.32 Lacs.
- Sh. Amar patnaik received Ganesh Mishra Memorial Award in 2009 from Institution of Engineers (Orissa) India and also Best Paper award in 2009 from Institution of Engineers (Orissa) India.
- Prof Y. R Sood , Member National Advisory Committee & Chaired Technical Sessions, National Conf. on "Recent Trends & Advancements in Computing (RTAC-09)",Feb.27-28,2009 at Jan Nayak Ch. Devi Lal Memorial College of Engineering, Barnala Road, Sirsa (Haryana).
- Prof Lalit K. Awasthi is a member of selection committee for direct recruitment of Professors, AP and Lecturers at SVNIT Surat and member of selection committee for Lecturers at NIT Hamirpur.
- Prof Lalit K. Awasthi is a member of inspection committee of HP University for inspection of Akal College of Engineering and Technology, Baru Sahib on 28/03/2009.
- Prof Lalit K. Awasthi is nominated as member of Board of Studies in Computer Sciences , NIT Jalandhar and at H. P. University Shimla.
- Prof Lalit K. Awasthi is member Program Committee of International Conference on Pervasive Computing and Governance to be held on 11-12 February 2009, Rajiv Gandhi Proudhyogiki Vishwavidyalaya (RGPV), Bhopal.
- Prof Lalit K. Awasthi is a member of Advisory Committee of 2nd National Conference on Next Generation Computing & Information System, 14-15 February 2009, MIET Jammu.
- Dr Rajesh Sharma nominated as Zonal Vice President (North Zone) of Association for Machines and Mechanisms
- Dr Hemant Kumar is selected by INAE steering Committee as an Engineering Teacher to be mentored by INAE Fellow Dr S K Thakkar from 25th May – 25th July 2009 at Department of Earthquake Engineering, India Institute of Technology, Roorkee

Academic Information

- UG Admissions
 - The admissions to B.Tech (4-yr) Programs duly accredited by NBA team i.e. CE, CSE, , EE, ECE ME to this institution shall be conducted in the month of June/July based upon AIEEE examination. The necessary details regarding the admissions procedure and schedule shall be available on the central counseling Board website www.ccb.nic.in.
 - Admissions to B.Arch (5yr) program is also made in the month of June/July based upon AIEEE examination
- PG Admissions
 - M.Tech programs are running in all departments of Institute
 - MBA program (2yr Full time) Self financing is being started from current academic session 2009-1010
- PhD Admissions
 - PhD programmes are being offered by all the departments of the Institute (Both Off Campus and On Campus)

For any query with respect to admissions, please visit institute website: <http://www.nitham.ac.in> and feel free to contact

Dean (Academics), NIT, Hamirpur (HP)	01972- 304122
Co-ordinator (Admission)	01972- 304126
OIC, Academic	01972-304072
Chairman, SPGC, NIT, Hamirpur (HP)	01972- 304330

Placement Details -2009 (Till April 2009)

B.Tech- 2009 (Total No. of organizations visited) = 37

Sr. No.	Discipline	No. of students in final year		Total No. of students placed through Placement Cell	Percentage of placement
		Total	Eligible		
1.	Elect.& Comm. Engg	60	56	42+4*	75.00
2.	Comp.Sc. & Engg.	42	40	33+1*	82.50
3.	Electrical Engg.	52	46	46+14*	100.00
4.	Mechanical Engg.	57	51	50+8*	98.03
5.	Civil Engg.	45	43	36+6*	83.72
Total:		256	236	205+33*	207+33*

* Students have got more than one job.

B.Arch- 2009 (Total No. of organizations visited = 03)

Sr. No.	Discipline	No. of students in final year		Total No. of students placed through Placement Cell	Percentage of placement
		Total	Eligible		
1.	B.Arch	22	22	02	9.09

Generally B.Arch students get placement in their respective organizations during 10th semester of professional training.

M.Tech-2009 (Total No. of organizations visited = 10)

Sr. No.	Discipline	No. of students in final year		Total No. of students placed through Placement Cell	Percentage of placement
		Total	Eligible		
1.	Mech. Engg. (CFD & Heat Transfer)	14	13	3	23.08
2.	Elect. Engg. (APSC)	16	16	4	25.00
3.	ECE (VLSI, VDAT)	16	16	5	31.25
4.	Comp.Sc. & Engg.	16	15	4	26.67
Total:		62	60	16	26.67

Forthcoming Programs -Conferences/Workshops/ STC

- National Workshop on Plasma-Surface Interactions and Processing (NWPSIP- 09) 25 - 27 May, 2009 Jointly organized by Institute of plasma Research ,Gandhinagar and NIT Hamirpur, Dr P.M Raole Dr Kuldeep Kumar Sharma and Dr Rajesh Sharma
- National Conference on Recent Advances in Condensed Matters Physics (RACMP-09) May 23-24, 2009 Dr Subhash Chand and Dr Arvind Kumar
- Two Week Summer School on Micro and Nano Composite Materials 30/05/2009-13/06/2009, Dr Amar Patnaik
- One Week Summer School on Optical and Wireless Communication. 15-19/06/2009, Prof. Vinod Kapoor
- One Week Summer School on Mobile Computing. 22-26/06/2009, Prof. Lalit Awasthi
- One Week Summer School on "Orientation Program for Technical Teachers" from 29/06/2009 to 03/07/2009, Prof. R.K Sharma
- One Week Summer School on "VLSI Design and Optimization Techniques" 06-10 July 2009 Dr. Rajeevan Chandel
- One week Summer School on "Application of MATLAB/ ORCAD/ SPICE 26 June-03 July 2009, Dr. Ashwani Chandel
- One Week Summer School on Enhancing Learning Outcomes in Technical Education 06-10 July 2009, Prof. R.K Sharma
- Two Week Summer School on Advance Signal Processing with applications of Matlab . 13/07/2009-24/07/2009, Dr R.N Sharma
- One Week Winter School on "Internet Technologies" . December 2009, Dr Narottam Chand

From Chief Editors desk

On the behalf of Editorial team I 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 First Vol of Year 2009 Newsletter in the best possible manner.

Good wishes to all NITHians past, present and regards to all readers,
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Ragging Free Environment at NIT Hamirpur

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