



## 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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## Message From The Director



Prof. I. K. Bhat, Director

It is put on record the tremendous efforts made by faculty, staff and students in discharging their duties and responsibilities in the most appropriate manner and making it possible to list some of these in this news letter. During this period, institute has made efforts to recruit the new faculty and involve everyone in institutional building activities. To achieve the best and continuous improvement in all spheres of academics –Especially to produce Top Engineering Graduates who provided with the best quality Education and training, the task before us is challenging and unfinished. It all depends on the continuous improvement in (i) Quality of faculty competencies (ii) Infrastructure (iii) Relevant and Recency of curriculum (iv) Evaluation system and (v) Education technology tools

I strongly believe that system has to be learner sensitive, learner centered which provides great flexibility particularly to suit those who otherwise get marginalized. It requires seriousness for pedagogical issues, respect experiential learning, treat learners as individuals and bring greater planning to the learning and teaching transactions. We have to implement our vision in a missionary manner for delivering high quality life long learning opportunities which bring about personal and economic success.

We need to do an introspection and change to bring best out of us. Our contribution as a teacher is an investment of the nation for excellent future, and therefore, it is our responsibility to take lead in developing excellent and outstanding leaders and managers at all levels, the key driver for this is to choose a research destination with speed but not at the cost of quality. I am sure that all of us are conscious of these facts and hence are gearing ourselves to reach desired end.

I congratulate the team of Editors headed by Dr. Umesh Sharma for their effort to bring out the 3<sup>rd</sup> Newsletter of the institute and hope they continue to keep the flame burning. I wish all those who endeavor to do so, a grand success.

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## Short Term Courses/Training Programmes Conducted



Prof. I.K. Bhat Director NIT Hamirpur and Dr. Sunand Kumar Inaugurating STTP on "Maintenance Management in Industries"



Prof. S. Sancheti, Director NIT Surathkal, Prof. I.K. Bhat, Director NIT Hamirpur and Prof. L.K. Awasthi inaugurating Short Term Course on "Mobile Computing"



Prof. I.K. Bhat Director NIT Hamirpur distributing Certificates to the Participants of Short Term Course VDNE 06 in E&CE Department



Ar. Didi Contractor delivering an expert lecture

- Department of Mechanical Engineering organized a Short Term Training Programme (Winter School) on "**Maintenance Management In Industries (MMI)**", from 25<sup>th</sup> December to 29<sup>th</sup> December, 2006 under TEQIP. The programme provided an exposure to various maintenance management techniques practiced in Indian industries. Twenty Five participants both from academia and industry participated in the course. Apart from the Chief Course Coordinator Dr Sunand Kumar and Course Coordinator Sh. Rajiv Kumar Sharma the experts from various academic institutions like IIT Roorkee and NIT Kurkushetra delivered the expert lectures.
- Prof. L.K. Awasthi and Sh. Naveen Chauhan organized TEQIP sponsored short-term course on "**Mobile Computing**" in the Department of Computer Science & Engineering from 18<sup>th</sup> December to 22<sup>nd</sup> December 2006. The Course was inaugurated by Dr. S. Sancheti, Director NIT Surathkal. Thirty five participants from various technical institutes across the country attended the course.
- A Short Term Course cum Training Programme on **VLSI Design & Recent Trends in Nano-Electronics (VDNE 2006)** (Winter School, TEQIP) was conducted from 18<sup>th</sup> December to 22<sup>nd</sup> December, 2006 by E&C department. Dr. Rajeevan Chandel and Sh Ashwani Rana were the Coordinators. Around 50 candidates participated and benefited from the course. Prof. R.P. Agarwal VC-BU Jhansi & former Professor E&CED, IIT Roorkee, Dr. S.S. Rajput Scientist-F NPL India, Dr. S. Dasgupta IIT Roorkee along with the faculty from the host department were the experts.
- A Short Term Training Programme on "**Earthquake Resistant Design and Construction**" was conducted from 30<sup>th</sup> September to 4<sup>th</sup> October, 2006 by the Department of Architecture, NIT Hamirpur under NPCBAERM funded by Ministry of Home Affairs under CRF. The expert lectures for the course were delivered by Dr. Prem Krishna, Prof. Civil Engineering Deptt., IIT Roorkee Dr. D.K. Paul, Head Earthquake Engineering Deptt. IIT Roorkee, Prof. Amita Sinhvval, Professor IIT Roorkee, Ar. Didi Contractor, Practicing Architect, Dharamshala, Ar. P. S Chani, IIT Roorkee. Ar. Ashok Kumar, CBRI Roorkee, Dr. R.K Pandit, Prof. & Head MITS Gwalior. Ar. Minakshi Jain and Ar. I.P Singh were the course coordinators.
- Department of Computer Science & Engineering and Computer Center organized a short-term on "**Computer Hardware and Software**" for Technical Staff of NIT Hamirpur during 3<sup>rd</sup> October to 7<sup>th</sup> October, 2006. It was inaugurated by Prof. I.K. Bhat, Director NIT Hamirpur. About thirty participants attended the course.
- Two days **Induction Training Programme** was conducted by NIT Hamirpur for the faculty of Lovely Technical Institutes at Phagwara during 28-29<sup>th</sup> October 2006. Sixty faculty members of Lovely Technical Institute attended the programme. Prof. I. K. Bhat, Director and Dr. Anoop Kumar, Dr. Sushil Chauhan, Dr. Piar Chand, Dr. Vinod Kapoor & Dr. Ashwani Chandel, faculty members of NIT Hamirpur delivered the expert lectures. The contents of the course were well appreciated by the participants.



## Conferences and Workshops Conducted

- A Two day Conference was organized by the Civil Engineering Department on “**Technology for Disaster Mitigation (TDM 2006)**” during 29<sup>th</sup>-30<sup>th</sup> September 2006. Twenty Keynote and twenty one general papers were presented during the two days. The Conference was divided into seven sessions. It was attended by 115 participants from various academic and industrial organizations. The Conference was inaugurated by Dr. R. L. Chauhan, Member (Civil), Himachal Pradesh State Electricity Board and Chairman BOG NIT Hamirpur. Prof. Prem Krishna, Honorary Professor IIT Roorkee and Prof. S. K. Kaushik, Former Professor IIT Roorkee were the guests of honour. Sh. A. N. Trivedi, Vice President Pidilite Industries Ltd. Vapi, was the Chief Guest during valedictory function. A glittering cultural night showcasing the different folk dances of Himachal Pradesh was also arranged for the delegates of Conference on the first day. The Conference was sponsored by AIMIL Ltd., State Bank of India, National Programme on Earthquake Engineering Education, IBilt Technologies Ltd., Globus Infocom Ltd., Reliance Industries Ltd., AE & C Test Systems and Construction Equipment, BOSCH Motor Industries Co. Ltd., Hydraulic & Engineering Instruments Co. Ltd., Technology Development Centre and Godrej-Wardhan Corporation. The organizing team comprised of Dr. Umesh Kumar Sharma, Dr. Pardeep Kumar, Dr. R. K. Sharma, Dr. Raman Parti and Dr. R.L. Sharma.
- National Conference on “**Recent Developments and Future Trends in Mechanical Engineering (RDFTME-2006)**” was organised by Mechanical Engineering Department, NIT, Hamirpur from 3<sup>rd</sup> November to 4<sup>th</sup> November, 2006 under TEQIP. Dr. N.S.Thakur, Prof. Rakesh Sehgal and Dr. Anoop Kumar were the Coordinators of the conference. Prof. R.K. Bhardwaj advisor, Jaipur Engineering College, Prof. I.K. Bhat Director of NIT Hamirpur, Prof. S.C. Solanki MIT Muradabad, Dr. I. Singh IIT, Roorkee and Mr. B.S. Sangha delivered expert lectures.



Prof. I.K. Bhat, Prof. Prem Krishna, Dr. R.L. Chauhan, Prof. S.K. Kaushik, Dr. Umesh Sharma and Dr. R.K. Sharma during inaugural Ceremony of TDM 2006.



Prof. I.K. Bhat Director NIT Hamirpur distributing Certificates to the Participants of RDFTME-2006

## Foreign Visits

- Dr. Rakesh Sehgal**, Professor Mechanical Engineering Department visited Lulea University of Technology, Lulea, Sweden from 25<sup>th</sup> September, 2006 to 06<sup>th</sup> October, 2006 to undertake training on various research activities carried in tribology laboratory “Tribolab” under TEQIP.
- Dr. Umesh Kumar Sharma**, Assistant Professor Civil Engineering Department, visited Ball, Indonesia to attend annual general meeting of International Committee on Concrete Model Code for Asia (ICCMC) during 17<sup>th</sup> to 20<sup>th</sup> November 2006. His visit was sponsored by Japan Concrete Institute, Tokyo.
- Dr. Pardeep Kumar**, Assistant Professor Civil Engineering Department, visited Griffith University Brisbane, Australia from 5<sup>th</sup> December 2006 to 5<sup>th</sup> January 2007 to undertake training on “Advances in Finite Element Methods”. Under TEQIP.

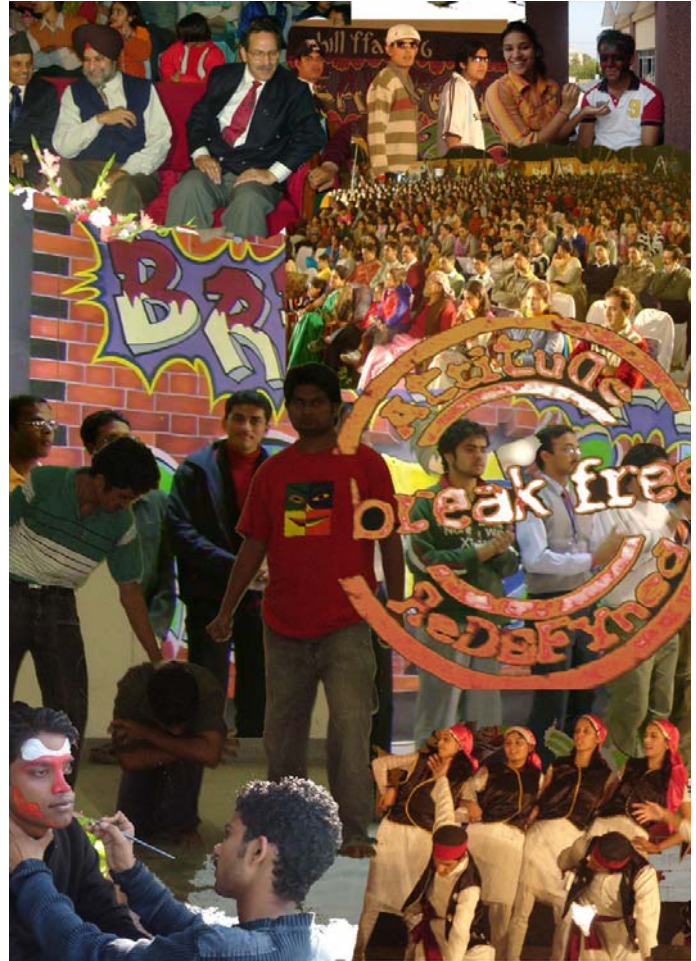
## Student Activity

### Hill 'ffair 2006

Annual cultural extravaganza Hill 'ffair was held from 3<sup>rd</sup> November to 5<sup>th</sup> November, 2006 in the institute premises. Hill 'ffair 2006 was attended by the students of various other national institutes which included RPGMC Tanda, SUSCET Mohali, IEET Baddi and SSM College Srinagar. The inaugural cultural night was formally inaugurated by *Dr R.P Singh, Director Rayat Institute of Engineering and IT, Nawanshahar*. The main attractions of first day's programmes were fabulous dances, Kavya Sammelan, and musical night.

On the next day a Fine Arts Gallery called "**Paradise**" was inaugurated by our Director Prof. I. K. Bhat at the Institute auditorium. Some of the wonderful paintings made by the students of the college were displayed. The second days evening function was studded by the events like Jugalbandi competition and Fashion parade. Swati Ahluwalia of First Year and Mohd. Israr of Final Year were chosen respectively the male and female supermodel. The evening ended with rock performance by a band from the college called SECOND GATE (reloaded).

During the last day events like face painting, mehndi competition, and some other fun-filled events like Tug Of War were organized. The Guest of Honor during the closing evening was Mrs. Anita Verma, local MLA. The main attraction of the function was the event called Adam and Eve. Sanchit Gupta of Final Year and Manasi Dullloo of First Year were adjudged the Adam and Eve for Hillffair 06 (read Mr. and Miss Hillffair). The prize distribution was held on the same night, which was followed by another rock performance.



Various activities during Hill 'ffair

- NIT Hamirpur in coordination with SPIC-MACAY, a famous NGO, arranged a five-day programme of a famous violinist, Dr. (Mrs.) N. Rajam, at various places in Himachal Pradesh which included Hamirpur, Kangra, Sujanpur, Palampur and Una. Dr. (Mrs.) N. Rajam is one of the foremost Hindustani violinists and a Padmashree and Padmabhusana, award winner. This had given an opportunity to our as well as the students of various other institutes in the region to interact with such an artist of international repute. The successful hosting of the event was made possible by the efforts of our Director Prof. I. K. Bhat, Dr. Anoop Kumar, Dr. Pardeep Kumar, Ms. Gargi Khanna, Ms. Meenakshi Sood, Mr S.K..Pradhan, Mr Rajiv, Mr. Achint, Mr. Abhinav, Mr. Gajender.
- Thirty six students of 3<sup>rd</sup> year Mechanical Engineering Department have undergone Industrial visit to Hindustan shipyard Limited, Visakhapatnam, Vizag Steel Plant, HMT Tool Limited, Hyderabad, Sujana metal products Limited, Sujana bearings, Hyderabad. : Coordinator: Sh. S.K. Pradhan.
- Forty two students of 3<sup>rd</sup> year Electronics & Communication Engineering Department have undergone Industrial visit to Indian Institute of Science, BEL, CDOT & TI at Bangalore.
- Ten M.Tech students of 1<sup>st</sup> and 2<sup>nd</sup> year Electrical Engineering Department accompanied by Dr. Ashwani Chandel visited HPSEB 220/132KV substation at Matansidh Hamirpur on 18<sup>th</sup> Nov., 2006.
- An industrial/institution visit was arranged for the students of Computer Science & Engg. (B.Tech 3<sup>rd</sup> year) to Microsoft Hydrabad and IISc Bangalore. Coordinator: Sh. Pardeep Singh.
- Eight students of NIT Hamirpur attended Tech-Fest "Shastra 2006" held at IIT Chennai(IIT Madras) from 4<sup>th</sup> October to 8<sup>th</sup> October,2006.
- Ten students of NIT Hamirpur attended ISTE Section Seminar, Debate and Group Discussion in Rayat Institute of Engineering & Information Technology, Ropar on 23<sup>rd</sup> September, 2006.
- Forty students attended the Technical Festival held at Rayat Institute of Engineering & Information Technology, Ropar on 11<sup>th</sup> November to 12<sup>th</sup> November, 2006.
- Institute football team participated in Inter Engineering Deemed Universities Tournament held at Punjab Engineering College Chandigarh on 24-25 September 2006. Our team got third place in this tournament.
- Our Volleyball team participated in Inter Engineering Deemed Universities Tournament held at NIT Kurukshetra during 13-14 October 2006 and got third place.
- Our Badminton and Chess teams took part in a tournament held at NIT Jalandhar from 12<sup>th</sup> to 13<sup>th</sup> November 2006.



## Courses, Seminars and Training Programmes Attended

- **Dr. Sunand Kumar, Dr. Vinod Kapoor, Dr. B. S. Kaith, Dr. R.N. Sharma and Sh. Prashant Kumar** of NIT, Hamirpur (H.P.) attended Technology platform and 12<sup>th</sup> ASEAN International Technology Summit, from 6<sup>th</sup> November to 7<sup>th</sup> November, 2006, at New Delhi.
- **Dr. Mukesh K. Pathak** attended and chaired three sessions in IEEE International Conference on Power Electronics, Drives and Energy Systems for Industrial Growth-2006 (PEDES-2006), New Delhi, 12<sup>th</sup> to 15<sup>th</sup> December 2006.
- **Mrs. Kamlesh Dutta** attended a seminar on "Paradigm Shift in the Education for Disabled" on 1<sup>st</sup> October, 2006 at Shimla Organized by Sarv Shiksha Abhyan, Department of Social Justice & Empowerment.
- **Dr Pardeep Kumar and Sh. Rajiv Kumar Sharma** have attended a short-term course on Tracers study of Pass out students held at National Institute of Technical Teachers Training and Research, NITTTR, Chandigarh from 8<sup>th</sup> November to 10<sup>th</sup> November, 2006.
- **Mrs. Gargi Khanna** attended Instruction Enhancement Programme on "Low Power VLSI Design" at IIT Kharagpur from 11<sup>th</sup> September to 22<sup>nd</sup> September, 2006.
- **Prof. Rakesh Sehgal and Dr. Anoop Kumar** of Mechanical Engineering Department attended a workshop on "KVIC – Technical Interfaces" organized by Directorate of Science and Technology, Khadi & Village Industries Commission, Mumbai – 400 056 at MGIRI, Wardha from 18<sup>th</sup> November to 19<sup>th</sup> November, 2006.
- **Ar. Amanjeet Kaur** (lecturer) attended a symposium at Chandigarh organized by first Friday Forum, Chandigarh on 12<sup>th</sup> November, 2006 on Chandigarh Heritage.
- **Dr. R.K. Dutta** attended an International Seminar on "Geosynthetics in India-Present and Future" with introductory course on Geosynthetics 8-10 Nov, 2006 at New Delhi.
- **Sh. Surender Soni**, attended Instruction Enhancement Programme (IEP) on RF IC Design from Nov. 13-24, 2006 at IIT Madras under VLSI SMDP-II Project.
- **Sh. Ashwani Kumar** attended a Short Term Course on "Repair and Maintenance of Consumer Electronics (Cell Phone & Microwave Oven)" w.e.f. Nov. 6-10, 2006 at NITTTR, Chandigarh.
- **Sh. Manmohan Singh** attended a Short Term Course on "NanoScience and Nano Technology" from Nov.6-10, 2006 at NITTTR, Chandigarh (PB).
- **Sh. Dhyan singh & Sh. Shiv Dayal**, Technical Staff E&CED attended a Short Term Course on "Audio & Video Engineering" from December 4 to 8<sup>th</sup>, 2006 at ETV Centre of NITTTR Chandigarh.
- **Sh. Dhyan singh & Sh. Shiv Dayal** attended the community service short term Programme on "Hand Operated Metal Power Tools" w.e.f. Dec. 11-15, 2006 at Mechanical Workshop NIT Hamirpur.
- **Sh. Shiv Dayal, Sh. Dhyan singh & Sh. Dinesh Kumar**, Technical Staff E&CED attended the TEQIP Short Term Course on "VLSI Design & Recent Trends in Nano-Electronics" from Dec.18-22, 2006 in E&CED NIT Hamirpur HP.
- **Dr. Ashwani Chandel**, attended a short term course on Mobile Computing organized by CSED from Dec. 18-22, 2006 and a STC on MMI organized by MED from Dec. 25-29, 2006 at NIT Hamirpur HP.
- **Sh. P.K. Sood, Sh. Rajesh Kumar Sharma, Sh. Prashant Kumar and sh. S. K. Pradhan** of Mechanical Engineering Department, **Dr. Ashwani Chandel** and **Dr. Veena Sharma** of Electrical Engineering Department attended STP on *Maintenance Management in Industries* from 25<sup>th</sup> December to 29<sup>th</sup> December, 2006 at Mechanical Engineering Department, NIT Hamirpur.
- **Sh. R. K. Jarial** participated in pre conference tutorials during Fourteenth National Power System Conference (NPSC 2006) at IIT Roorkee, on 26<sup>th</sup> December 2006.
- **Sh. O.P. Rahi** attended a Short Term course on "Recent Advances in High Voltage Engineering" from 15<sup>th</sup> to 21<sup>st</sup> November, 2006 at IIT Madras, Chennai.
- **Sh. O.P. Rahi** attended a Short Term course on "Mobile Computing" organized by CSE Department from 18<sup>th</sup> to 22<sup>nd</sup> December, 2006 at NIT Hamirpur (HP).
- **Ar. Inderpal Singh** attended a TTP on Bio Architecture at NIASA Pune with effect from Nov. 06<sup>th</sup> – Nov.10<sup>th</sup>, 2006.
- **Ar. Ritu chopra, Ar.Amitava Sarkar, Ar. Sarita Sood. Ar. Neetu Kapoor, Ar. Ashwani Kumar, Ar. Sandeep sharma** attended STC under National Programme for Capacity building of Architects in earthquake risk management on "Earthquake Resistant Design and Construction" from 30<sup>th</sup> September – 4<sup>th</sup> October, 2006. The programme was organized by Department of Architecture, National Institute of Technology, Hamirpur.
- **Sh. Ajay Gupta and Sh Sukhdev Singh** undertook training on "Computer hardware and software" with effect from 5<sup>th</sup> Oct. to 9<sup>th</sup> Oct. at computer centre, and on "Power Tools" with effect from 11<sup>th</sup> - 15<sup>th</sup> Dec, 2006 at Central Workshop, National Institute of Technology, Hamirpur.

## Service to Community



Prof. I.K. Bhat addressing the participants of the Workshop on Operation & Application of Electronic Test Instruments"



Participants of Short Term Course on "Modern Library Management"



Workshop on "IT Management in Library"

- A workshop on "**Operation & Application of Electronic Test & Measuring Instruments**" under Community Services Programme of TEQIP was organized on 1<sup>st</sup> and 2<sup>nd</sup> November, 2006 by the Department of Electronics & Communication Engineering. Thirty eight participants from surrounding areas participated in the workshop. Dr. Rajeevan Chandel, Sh. S.K. Soni and Sh. Ashok Kumar were the coordinators.
- A Short Term Course on "**Modern Library Management**" was held from 18<sup>th</sup> December to 22<sup>nd</sup> December, 2006 in the Institute Library. Thirty six participants attended the course. The eminent Resource Persons were Dr. Sewa Singh, Prof. GNDU Amritsar, Dr. V. K. Anand, Librarian Punjab University Chandigarh.
- A TEQIP sponsored program for community on the topic of "**Computer Fundamental and Operating System**" was organized at Department of Computer Science & Engg., NIT Hamirpur. Coordinators: Mr. Sidharth Chauhan and Mr. Rajiv Kumar.
- A Two days workshop on "**Information Technology Management in Libraries**", was Organized by the Central Library during 6<sup>th</sup> to 7<sup>th</sup> October, 2006 for librarians & assistant librarian from the various schools of Hamirpur District. Forty three participants attended the workshop.
- A Two days workshop on "**Personal & Professional Role for Woman**" was organized by the department of Applied Science & Humanities during 2<sup>nd</sup> to 3<sup>rd</sup> December, 2006. Fifty female participants from Hamirpur district attended the Workshop.
- One week Short Term Training Programme on "**Fundamentals of Computers & Operating Systems**", was organized by Computer Science & Engineering Department during 4<sup>th</sup> to 8<sup>th</sup> December, 2006 Thirty participants Attended the programme.
- One week Short Term Training Programme on "**Use of Power Operated Tools in Metal Working**" was organized from 11<sup>th</sup> to 15<sup>th</sup> December, 2006 by Workshop of MED. Thirty participants from various technical Institutions of Hamirpur District and Technical staff from the various departments of NIT, Hamirpur attended the Programme.

All the above training courses were inaugurated by Prof. I.K. Bhat, Director NIT Hamirpur.

## Recognition and Awards

- **Prof. L.K. Awasthi** appointed as the member of National Advisory Committee of an International Conference ICON 07 to be held at Erode, January, 2007.
- **Prof Y.R. Sood** got an award 'Union Ministry of Energy-Department of Power Prize', from Institution of Engineers (India) for his research paper in the journal of Institution of Engineers.
- **Dr. Raman Parti** has received "The Sir Arthur Cotton Memorial Prize" for the research paper 'Optimal Selection of Hubs for planning Hub and spokes Bus Transit Network' by The Institution of Engineers (India) in the year 2006.
- **Dr. Raman Parti** has received "The Brij Mohan Lal Memorial Prize" for the research paper 'Optimal Selection of Hubs for planning Hub and spokes Bus Transit Network' by The Institution of Engineers (India) in the year 2006.
- **Dr. Umesh Sharma** became the member of Asian Concrete Federation.
- Ph.D. degree awarded to **Dr. Narotam Chand** in the Annual Convocation of IIT Roorkee on 11<sup>th</sup> November, 2006.
- Ph.D. degree awarded to **Dr. S.K. Jain** in the Annual Convocation of MNIT Allahabad on 11<sup>th</sup> November, 2006.
- Ph.D. degree awarded to **Dr. Veena Sharma** in the Annual Convocation of PTU Jalandhar.
- **Prof. L.K. Awasthi** Evaluated Two Ph.D. Thesis of JNU New Delhi.
- **Prof. L.K. Awasthi** reviewed a book on "Computer Architecture and Parallel Processing" for Tata McGraw Hill in Dec., 2007.
- **Ar. Bhanu Marwaha** has proceeded for Ph.D programme in Architecture under QIP at School of Planning and Architecture, Hyderabad .w.e.f 28<sup>th</sup> Dec, 2006 onwards.
- **Mr. P. Daniel** has joined as VLSI Faculty under SMDP-II Project in E&CE Department on 28<sup>th</sup> November, 2006.

## Lectures Delivered

- **Prof. I .K. Bhat** delivered an expert lecture on “Women Empowerment & Women education” during workshop on “Personal and Professional Roles of Women” held at NIT Hamirpur w.e.f. 2-3 December, 2006.
- **Prof. I .K. Bhat** delivered keynote lecture on “Nanotechnology & Future” during Conference on “Recent Developments and Future Trends in Mechanical Engineering (RDFTME-2006)” organized by Mechanical Engineering Department, NIT, Hamirpur from 3<sup>rd</sup> to 4<sup>th</sup> November, 2006.
- **Prof. I. k. Bhat** gave an expert talk on “Need of Research in Nanotechnology” during a workshop at Institute of Standards and Weights, Parwanoo, H.P..
- **Dr. Rajeevan Chandel** Chaired Session on “VLSI Design & NanoTechnology”, in National Conference on Recent Advances in Electronics and Communication Technology (RAECT-06) & delivered an Invited Talk on “VLSI Design Issues in Nano-Regime Technologies” on 9<sup>th</sup> to 10<sup>th</sup> November 2006, at E&CED, GNDEC Ludhiana (Pb).
- **Dr. Rajeevan Chandel**, delivered six expert lectures on MOS Models, CMOS characteristics, Power and Delay Issues in CMOS and Digital VLSI Design, in Short term course on FPGA and their Applications on Dec 9<sup>th</sup> to 10<sup>th</sup> November, 2006, in the Dept. of E&C, Bundelkhand University, Jhansi, UP.
- **Dr. Ashwani Chandel** delivered a special lecture on “Multi-Objective Optimization using Non-Dominating Sorting Genetic Algorithm” in the short-term course on VLSI Design & Recent Trends in Nano-Electronics organized by the E&CE Department NIT, Hamirpur (HP) during 18<sup>th</sup> December to 22<sup>nd</sup> December, 2006.
- **Dr. Ashwani Chandel** delivered an Invited Talk on “Modern Optimization Techniques” on 9<sup>th</sup> November 2006, in National Conference on Recent Advances in Electronics and Communication Technology (RAECT-06 E&CED, GNDEC Ludhiana.
- **Dr. Ashwani Chandel**, delivered four expert lectures on “Single and Multiple Objective Optimization using GA and NSGA”, in Short term course on FPGA and their Applications on Dec 9-10 2006, in Dept. of E&C, Bundelkhand University, Jhansi, UP.
- **Dr. Narottam Chand** delivered expert talk on “Power Aware Mobile Computing” in the short-term course on VLSI Design & Recent Trends in Nano-Electronics organized by the Department of E&CE, NIT Hamirpur (HP) during 18<sup>th</sup> December to 22<sup>nd</sup> December, 2006.
- **Dr. Narottam Chand** delivered expert talks on “Mobile Computing” and “Data Caching in Mobile Environment” in the short-term course on Mobile Computing organized by the Department of CSE, NIT Hamirpur (HP) during 18<sup>th</sup> December to 22<sup>nd</sup> December, 2006.
- **Dr. Saroj Thakur** presented an expert Lecture on “Communication Skills: A new parameter for Success” to the students of Nehru PG College, Hubli (Karnatka).
- **Dr. Saroj Thakur** delivered a lecture on “SWOT Analysis for Women Professionals” during workshop on “Personal and Professional Roles of Women” held at NIT Hamirpur w.e.f. 2-3 December, 2006.
- **Dr. Saroj Thakur** represented Him Vani at the Utsav India 2006 seminar on Differently-abled children, held in Shimla on October 1, 2006 and delivered a Lecture on “Role of Technology in Rehabilitation of the Disabled”.
- **Dr. Saroj Thakur** delivered an expert lecture to participants of a training programme on “Role of Language and Emotional Intelligence in Dissemination of Knowledge to the Grass root users” at Extension Education Institute, CCS Haryana Agricultural University, Nilokheri, Haryana on December 12, 2006.
- **Prof. L.K. Awasthi** delivered a lecture on "Mobile Computing" in National Conference at GNDEC Ludhiana.
- **Prof. L.K. Awasthi** delivered a lecture at National Seminar on "Strategy for Sustainable Development of Himachal Pradesh with Special Emphasis on Industry, Tourism, Bio-Technology and Information Technology" held at Shimla during 6<sup>th</sup> November to 7<sup>th</sup> November, 2006 on the status of IT Education in HP.
- **Prof. L.K. Awasthi** delivered a lecture “Mobile Computing” in national conference on “Emerging Principle and Practices of Computer Science and IT” at GNDEC Ludhiana.
- **Dr. B. S. Kaith**, Assistant Professor, Department of Applied Sciences, NIT, Hamirpur delivered expert lecture on Solid waste management, under the aegis of State Council for Science, Technology and Environment, Shimla on 13<sup>th</sup> November, 2006, at Degree College, Hamirpur (H. P.).
- **Sh. Rajesh Kumar Sharma** presented an expert lecture on “Introduction to Maintenance Programs and their Strategies” on 25<sup>th</sup> December, 2006 in the Short Term Training Program on *Maintenance Management in Industries* organized by MED, NIT Hamirpur during 25<sup>th</sup> December to 29<sup>th</sup> December, 2006.
- **Sh. Rajiv Kumar Sharma** delivered lectures on Maintenance Decisions and Equipment Management, and Spare Parts Management during Short Term Training Programme on Maintenance Management in Industries (MMI) during 25<sup>th</sup> December to 29<sup>th</sup> December, 2006 in Mechanical Engineering Department, NIT, Hamirpur.
- **Dr Sunand Kumar** delivered expert lectures on Maintenance Effectiveness and Safety Aspects in Maintenance during Short Term Training Programme on Maintenance Management in Industries (MMI) during 25<sup>th</sup> December to 29<sup>th</sup> December, 2006 in Mechanical Engineering Department, NIT, Hamirpur.
- **Ar. Minakshi Jain** delivered a series of expert lectures on “Ecological Footprints, Sustainability and Mind set” in context to Hill Region, Role of landscape design in the sustainable development, “Vernacular architecture of Himachal Pradesh” and Green Architecture for a TTP on Bio Architecture organized at NIASA (National Institute of Advanced studies in Architecture), Pune from Nov. 06<sup>th</sup> –Nov 10<sup>th</sup> 2006.
- **Ar. Inderpal Singh** delivered an expert lecture on “Sustainable Development through mini and micro hydro projects” at NIASA (National Institute of Advanced studies in Architecture), Pune with effect from Nov. 06<sup>th</sup> – Nov.10<sup>th</sup>, 2006.
- **Dr. Umesh Sharma** gave an expert talk on “Need for Earthquake Resistant Design & Construction” to the officials of Hamirpur District on 6<sup>th</sup> November 2006.



## Papers Published in Journals (International/National)

- **Ar. Amanjeet Kaur** and **Ar. Ashwani Kumar** "Study of Shiv Temple at Baijnath" in Journal of Indian Institute of Architects, August 2006.
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## NIT Hamirpur Signs MOU with UTS, Sydney

In order to promote co-operation between National Institute of Technology, Hamirpur and the University of Technology, Sydney (UTS) Australia, the two parties recently signed a memorandum of understanding. This will encourage direct contact and cooperation between their faculty and administrative staff, divisions and other units. The MOU includes visits by and exchange of students for the purposes of study and research, visits by and interchange of faculty and staff for the purposes of research, teaching and discussions, exchange of academic information, joint research activities, joint participation in internationally funded projects and joint course development and delivery.



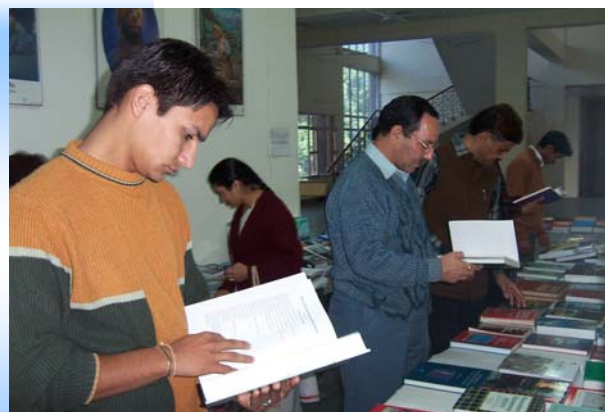
From left Dr. Deepak Sharma and Prof. Archie Jonston from UTS, Sydney and Prof. I.K. Bhat (Director) and Dr. R.L. Chauhan (Chairman BOG) from NIT Hamirpur.

## Expert Lectures

- **Mr Aradhna Ray**, consultant engineer of Doble Engineering, USA delivered a talk on "**Sweep Frequency Response Analysis**" highlighting a couple of case studies related to power transformer to faculty and M. Tech students under the aegis of TIFAC-CORE. He also demonstrated the functioning of Sweep Frequency Response Analyser (SFRA) to validate the geometrical integrity of power transformer at 220/132/33KV substation at ANU on 30 September, 2006
- **Dr Richard M Stallman**, Founder and President Free Software Foundation, USA, delivered an Expert Lecture on "**Free software ethics**" in the Institute Auditorium on 25th October, 2006. Dr. Stallman heads the GNU Project, and is the President of the Free Software Foundation. He had dinner with the Director of the Institute, and representatives of the faculty and students on the evening of the 24th of October, where a number of possible avenues for the Institute in the Free Software world were discussed.
- **Prof. D. K. Subramanian**, Former Professor, IISc. Banglore, delivered Guest Lecture on "**Teaching Learning Process**" on 6th November, 2006 to the institute faculty.
- **Er. Kumar Vijay Mishra**, Scientist -C, DRDO delivered a special lecture on "**An Academic Approach to Signal Processing and FPGA implementation**" for faculty and students of E&CE Department NIT, Hamirpur (HP) on 28th November, 2006.
- **Dr. R. S. Parmar**, former Professor IIT Delhi and mentor TEQIP, visited the campus in December 2006 and shared his experience with the faculty and staff of NIT Hamirpur.

## Library

- A Book Exhibition was organized by the central Library in the Institute Auditorium during 13<sup>th</sup> November to 15<sup>th</sup> November, 2006. It was inaugurated by Prof. I.K. Bhat, Director NIT Hamirpur. Twelve different exhibitors participated in the exhibition.
- The library placed purchase orders to the tune of approximately rupees 40 lacs.
- During the period October-November 2006, about 2220 books and 388 titles added in the Library.



Prof. I.K. Bhat during book Exhibition

## Training and Placement

Placement till 31<sup>st</sup> December 2006

### Glimpses of Recent Placement Record

S.No.	Discipline	Total students in final year	Total students placed through Placement Cell	Percentage of placement
1.	Elect.& Comm.Engg.	45	40+1*	97.77
2.	Comp.Sc. & Engg.	31	30+2*	96.77
3.	Electrical Engg.	37	26	70.27
4.	Mechanical Engg.	41	38+7*	92.68
5.	Civil Engg.	29	19	65.51
6.	B.Arch.	25	15	60.00
<b>Total</b>		<b>208</b>	<b>172+10*</b>	<b>82.69</b>

\* Ten students have got two jobs

## Sponsored Research and Consultancy Projects

- Department of E&CE received Urban Poverty Alleviation Project from MUD, Govt. of India for Rs.1.5 Lacs in 2006. Project Coordinator is Dr. Rajeevan Chandel.
- Department of Civil Engineering received a consultancy project from the HP government to carry out seismic evaluation and retrofitting of lifeline buildings of Mandi, Dharmasala and Hamirpur districts. Coordinators: Dr. Umesh Sharma, Dr. Pardeep Kumar and Dr. R.L. Sharma.
- A consultancy project on "landscape Development of residential township for NTPC at Jamtal Barmana" was awarded to the Deptt. of Architecture after making a preliminary presentation by Ar. Minakshi Jain, Asstt. Prof & Head & IP Singh Asstt. Prof. Department of Architecture.

## Campus Close Up

- During the last couple of months, our campus has been given a new facelift. A number of alterations, renovations and additions have been done to our campus landscape. The extension of various department blocks and the construction of new buildings of Architecture department, residential blocks, central library and lecture theatre complex are in progress.
- Dr. R.L Chauhan, chairman BOG NIT Hamirpur, visited the campus on 13<sup>th</sup> December 2006 and took stock of the various activities going on in the campus. He had a meeting with director, registrar, deans and heads of different departments/sections.
- 5<sup>th</sup> meeting of Building works Committee held on 14/11/06, 4<sup>th</sup> meeting of Finance committee on 25/11/06 and 10<sup>th</sup> meeting of Board of Governors on 25/11/06.



Dr. R.L. Chauhan having meeting with heads and deans

- The Department of Applied Sciences & Hum. celebrated **National Science Day** on 19<sup>th</sup> November, 2006, sponsored by State Council for Science, Technology Environment, Shimla. Co-ordinator: Dr. B. S. Kaith.





A panoramic view of NIT Hamirpur

## Forthcoming Events

- National Conference on "Design Techniques for Modern Electronic Devices, VLSI & Communication Systems, DTVC-2007", Sponsored by TEQIP NIT Hamirpur and VLSI Society of India (VSI), on 14<sup>th</sup> May and 15<sup>th</sup> May, 2007, to be organized by E&CED, NIT Hamirpur HP.
- NIT Hamirpur Alumni meet shall be organized in the month of June 2006. It is requested that all concerned should come forward and register for this meet wholeheartedly. To have more information in this regard, please visit our institute website.
- STTP on Motor vehicle Repair and Maintenance (26<sup>th</sup> February to 2<sup>nd</sup> March, 2007) under Community Development Cell Sponsored by TEQIP, to be organized by the Department of Mechanical Engineering, Course Coordinators: Dr Sunand Kumar and Shri Rajiv Kumar Sharma.
- Two day workshop on "Getting motivated: some practical techniques, Feb.3-4, 2007, is being organized by Piar Chand and Yogesh Gupta, Department of Applied Sciences and Humanities under Community Cell, TEQIP, NIT Hamirpur.
- STTP on Hands on Training on domestic Electrical Appliances (10-11March, 2007) under Community Development Cell Sponsored by TEQIP, to be organized by the Department of electrical Engineering.
- Workshop for Entrepreneurs on Self Employment in Technical Field to be organized by MED Workshop on 24<sup>th</sup> February under Community development cell.

### From The Editors

This Newsletter is a step in the direction of increasing communication among the various technical institutes. There is an urgent need to develop a comprehensive picture of what is happening across the globe in current fields. Developmental works are better paced and organized only when there is better communication. Since the publication of last issue of institute newsletter, in May 2006, many major events of academic significance have taken place in NIT Hamirpur. This issue to be released in October 2006 carries a brief pictorial summary of these memorable events. For more information please visit our website.

### Editorial Board

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