



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

It is my proud privilege to welcome and introduce you to “**National Institute of Technology, Hamirpur, HP**” (NIT-H). This institute was established in the year 1986 as a joint and Cooperative enterprise of the Govt. of India and Govt. of Himachal Pradesh as a Regional Engineering College and converted to NIT and given the status of a **Deemed University** by the Ministry of Human Resource Development, Government of India, in 2002. Himachal Pradesh is a captivating region of the Indian Himalayas. It is often referred to as the “Magical Showcase of Nature’s Splendor”. Abundant green grasslands and wide valleys set against imposing snow-clad mountains; crystal clear lakes, flowing rivers and spurting streams; fruit laden groves and soft terraces of corn and tea are characteristics of Himachal Pradesh. Himachal has a wealth of ancient Hindu and Buddhist art and culture in its number of temples and monasteries. It is a place, which inspires the inner soul, elevating one spiritually. Hamirpur area is situated at a relatively lower elevation with an altitude of 900 meters, is comparatively warmer and has a picturesque surrounding, facing snow clad Dhauladhar mountain ranges covered with lush green Pine forests. The place has healthy climate with moderate temperature ranging from 1 degree Celsius to 38 degree Celsius. This district was made in 1972 by carving it out from the Kangra district. The NIT Hamirpur believes in serious academic pursuit and encourages radical and original thinking with regard to nationally and internationally relevant ideas / policies through intellectually stimulating debates and discussions at all levels. Institution is building its reputation step by step with a dedicated goal of adding value to life and professional standards. We provide for undergraduate and postgraduate education in engineering fostering the spirit of national integration among the students.

The campus is well laid with roads, electric installations, water supply, underground drainage etc. all in all an ideal choice in pursuit of Research. NIT Hamirpur offers Undergraduate (B. Tech. in Core branches of Engineering. and B. Arch.) and Post-Graduate (M. Tech. and Ph. D) degree programmes in various branches of Engineering, Science and Humanities. The admission to B. Tech. and B. Arch. is through AIEEE conducted by CBSE and admission to PG is through GATE score. The detailed rules and procedures for Under-Graduate and Post-Graduate courses are available on the institute website. The institute also admits students from foreign countries in different categories e.g. foreign nationals, NRIs, etc. This news bulletin attempts to consolidate the achievements and activities of institute over the last few months. I extend my good wishes to all readers, students, faculty members and technical and administrative staff of the institute. I very sincerely thank and compliment the Editorial team of *Institute Newsletter* for their admirable output.

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Short Term Courses/Training Programmes Conducted



Prof. I. K. Bhat, Director, NIT, Hamirpur inaugurating Short-term course on "Emerging Techniques in Power System Operation and Control"



Dr. Rajeevan Chandel delivering lecture on VLSI Design & Optimization Techniques training programme



Dr. Anoop Kumar delivering lecture on Computational Fluid Dynamics and Heat Transfer



Dr. R. L. Sharma during programme on preparation of DPRs for PMGSY

- A short term course on "**VLSI Design & Optimization Techniques (VDOT-2006)**" was conducted by Dept. of E&CE, NIT Hamirpur under TEQIP during 5th June, 2006 to 9th June, 2006. The course provided an exposure in the emerging field of VLSI and applications of modern optimization techniques to the thirty-four (34) participants who had come from different technical institutes spread all over India. The main experts for the course were Prof. I.K. Bhat, Director NIT Hamirpur; Prof. S. Sarkar, Head E&CE MITS Sikar Rajasthan; Prof. R.P. Agarwal VC BU Jhansi & Prof. IIT Roorkee and Prof. Irene MITS Rajasthan. The course Coordinators: Dr. (Mrs.) Rajeevan Chandel and Dr. Ashwani Kumar.

- Three one week training programmes on "**Capacity Building in Earthquake Risk Management**" were organized by Civil Engineering Department during 5th June- 23rd June 2006. Seventy Two engineers of various departments of Himachal Pradesh Government attended these programmes. The resource persons were: Dr. Irne Sarkar (MCT Sikar), Er. B.K. Aggarwal (Commissioner Kangra), Dr. Manish Shrikhande (IIT Roorkee), Dr. Pankaj Aggarwal (IIT Roorkee), Dr. Abhay Gupta (GSITS Indore), Dr. Naveen Kwatra (TIET Patiala) and faculty of Civil Engineering (NIT Hamirpur). Coordinators: Prof. R.K. Sharma, Dr. Pardeep Kumar and Dr. Umesh Sharma.

- Department of Civil Engineering organized six two days training programmes on "**Preparation of DPRs for PMGSY**" and six two days training programmes on "**Soil & Material Characterization**" under Pradhan Mantri Gram Sadak Yojna (PMGSY) of government of India during 5th June- 16th July 2006. A total of 384 engineers of HPPWD were trained in these courses. Technical lectures were delivered by the faculty members of Civil Engineering Department. Coordinators: Prof. R.L. Sharma, Prof. Raman Parti, Prof. R.K. Sharma, Dr. Pardeep Kumar and Dr. Umesh Sharma.

- A Workshop on "**Solid Waste Management(SWM-06)**" organized by the Department of Applied Science and Humanities ,NIT, Hamirpur under the aegis of National Environment Awareness Campaign on dated 05th June, 2006. Prof. I. K. Bhat, Director, NIT, Hamirpur was the Chief Guest of the function sponsored by the State Council for Science , Technology & Environment, Shimla.

- Department of Computer Science and Engineering imparted training to the Non-teaching staff of our institute in the area of "**Computer Hardware and Software**" during 5th June, 2006 to 20th June, 2006.

- A Short-term course on "**Computational Fluid Dynamics and Heat Transfer**" was organized during 26th June, 2006 to 30th June, 2006. Thirty-two participants from various educational institutes and industries attended the course. The resource persons were Prof. S. R. Kale (IIT Delhi), Prof. S.K. Bhowmick (former Prof. NIT Hamirpur), Dr. Atul Sharma (IIT Mumbai), Ajay Parihar (Effluent Software Ltd) and faculty of our institute. Course Coordinators: Dr. Anoop Kumar, Dr. Y.D. Sharma and Dr. Pardeep Kumar.

- A Short-term course on "**Emerging Techniques in Power System Operation and Control**" was organized by the Department of Electrical Engineering during 3rd July, 2006 to 7th July, 2006. Thirty two participants from various educational Institutions and BHEL Bangalore, attended the course. Prof. D. P. Kothari (IIT Delhi), Prof. R. Jha (NIT Jalandhar), Prof. J. S. Dhillon (SLIET Longowal), Dr. Ashwani Kumar (NIT Kurukshetra) and faculty of Electrical Engineering Department of our institute delivered the technical lectures. As part of the course, the participants visited 32 MW Baner Hydropower Project in District Kangra on 06 July, 2006. The Course Coordinators: Prof. Sushil Chauhan and Dr. Ram Naresh Sharma.

Expert Lectures

- Prof (Mrs.) Saroj Kaushik delivered a lecture on "Artificial Intelligence" on 13th June, 2006 at NIT, Hamirpur.
- TIFAC-CORE, NIT Hamirpur organized following guest lectures for faculty, M.Tech students and Engineers from HPSEB, Shimla.
 - Dr. V. Srinet, Sr. Manager (TDCC), ERDA, Vadodra "Dissolved Gas Analysis of Transformer Oil", June 19, 2006.
 - Dr. V. Srinet, Sr. Manager (TDCC), ERDA, Vadodra, "Life Assessment of Transformer", June 19, 2006.
 - Sh. N. J. Buch, Dy. Director (HVP), ERDA, Vadodra, "Electrical Tests for condition monitoring of Transformer" June 20, 2006.
- Mr. Arvind Dixit from Advance Technologies Chandigarh delivered a talk under Industry Institute Interaction on the topic "Expectation of the Industry from Technical Institutions in terms of Manpower and R&D Contributions". Recent developments in industry and job opportunities were also highlighted on 26th June, 2006 at Seminar Hall EED, NIT Hamirpur.
- Prof Moin Uddin Director NIT Jalandhar delivered a Lecture on "Mobile Computing" on 28th July, 2006 at NIT Hamirpur.
- Mr. Milind Chudgar from NiYo Engineers, Pune delivered a talk under Industry Institute Interaction on the topic "Techniques for Pressure Measurement inside Internal Combustion Engine Cylinder" on 3rd August, 2006 at Seminar Hall MED, NIT Hamirpur.
- Mr. Y.K. Sharma from Chetan Learning INC, New Delhi delivered a talk under Industry Institute Interaction on the topic "How to Develop Skills Among Young Budding Engineers to Excel in their Professions" on 10th August, 2006 at Seminar Hall EED, NIT Hamirpur. The lecture covered the issues such as Secrets of Success through magnified thinking, Creativity in personality, Magic of believing in your self, Matrix of success and happiness, Success by plan not by chance, Impact of start, the success games and Module for follows up.
- Dr. Ravi Prakash, coordinator of the Energy Center at MNNIT Allahabad, visited our campus on 20th June, 2006 and held discussions with a large group of faculty members on the activities to be taken up at NIT Hamirpur by the Center of Energy and Environment.
- Prof. Dheeraj Sanghi, Professor IIT Kanpur delivered a series of lectures on "Internet Protocol version 6" on 24th August 2006.
- Dr. Anil Misra gave an expert talk on "Energy & Environment".

Services to Community

- One week training programme from 22nd May, 2006 to 26th May, 2006 on "**Plumbing and Pipe Fitting**" was organized by Workshop of MED, NIT Hamirpur. Twenty-three participants attended the training programme.
- Short term training programme under Community Development Programme of TEQIP on "**Maintenance, Repair of Electrical Appliances and Conservation of Energy**", 29th May, 2006 to 2nd June, 2006 for unemployed youths at NIT Hamirpur, as one of the Coordinator and Head of the Electrical Engineering Department.
- One week awareness cum training programme from 5th June, 2006 to 9th June, 2006 on "**Developing Entrepreneurship and Capacity Building**" was organized by Department of Architecture, NIT Hamirpur. The main objective of the programme was to apprise the target group about the use of computer in the design of low cost and controlled buildings design and to aware the participants for the construction techniques in the hilly regions.
- One week training programme on "**Application of Forging Processes**", was organized by Mechanical Engineering Department, NIT Hamirpur from 12th June, 2006 to 16th June, 2006. Twenty participants attended the training programme.
- Short term training programme on "**Post-Harvest Technology**", for farmers and unemployed youth was organized by Department of Applied Science & Humanity NIT Hamirpur, from 12th June, 2006 to 16th June, 2006. Thirty participants attended the training programme.
- One week training programme on "**Librarianship in Practice**" was organized by Library under TEQIP from 3rd July, 2006 to 7th July, 2006 for unemployed library professionals under Services to community. Thirty seven participants attended the course.

Lectures Delivered

- Dr R. N. Sharma, delivered expert lectures on "Artificial Neural Networks and their Applications" on 14th July, 2006 in Applied Soft Computing Workshop held at Haryana Engineering College Jagadhri, Haryana during 11th July, 2006 to 15th July, 2006.
- Prof. J. N. Sharma delivered a series of lectures on "Gided Waves and Structural Health Monitoring" on 28th July 2006 at ARD Division of DRDO Pune.
- Prof. I. K. Bhat delivered expert lecture on "Leadership skills" at Management Development Institute on 9-9-2006.
- Expert Lecture by Dr. Vinod Kapoor, AP, ECED, NIT Hamirpur on "Technology Development" at NIT Srinagar under Institute Networking (TEQIP).
- Expert Lecture by Prof. L.K. Awasthi, CSED, NIT Hamirpur on "Mobile Computing" at NIT Srinagar under Institute Networking (TEQIP).
- Expert Lecture by Sh. Ashwani Rana, E&CED, NIT Hamirpur on "Manufacturing Techniques in VLSI" at Rayat Institute of Technology and Management, Ropar.

R & D Projects

- Mrs Veena Sharma Received UGC assistance vide no. F.No. 31-69/2005 (SR) for the Minor Research Project entitled "Investigations using neural network optimizers for scheduling multi-reservoir systems" 24th June, 2006.

Student Activity

- Orientation programme conducted for new comers on 29th July, 2006.
- A friendly cricket match was organized between first year and second year on 12th August, 2006 to make the environment friendly to the new comers.
- National Independence Day celebrations were held in the NIT Premises. Director NIT, Hamirpur, Prof. I K Bhat unfurled the national flag. Guard of honour was presented by the NCC Cadets. A cultural programme was also presented.
- The Van Mahotsava was observed on 16th August. State minister for forest, Ram Lal Thakur was the chief guest. Faculty, students planted over 700 trees on the occasion.
- This session's sports tournament started on 30th August, 2006 with inter branch football match between Computer Science & Engineering and Mechanical Engineering Department.
- A sketch competition and debate on "Renewable-Energy" was organized on 26th August 2006 on the eve of Akshay Urja Divas.



National Independence Day celebration held in the NIT Hamirpur Premises.

Conference/ Seminar Attended

- Dr. Anoop kumar and Dr. Y.D. Sharma attended a one day seminar at Shimla organized by State Council of Science and Technology on 26th August, 2006 on Energy Conservation.
- Dr. Y. R. Sood presented a paper "A New Method for Allocating Embedded Cost of Transmission under Deregulated Environment of Power System" in the *proceedings of IEEE, 2006 PES General Meeting (Conference)* at Montreal, Quebec, Canada, during 18th June, 2006 to 22nd June, 2006.
- S. K. Pradhan attended and presented a paper "Experimental and Simulation Analysis of Multi Axis Robots" in "*Recent trends in Mechatronics, Nanotechnology, and Robotics*" at N.I.T., Rourkela, 2006.
- Prof. I. K. Bhat and Prof. R. L. Sharma attended NPIU Workshop on "Industry-Institute Interaction" at Hyderabad during 20-21 July 2006.
- Prof. I. K. Bhat attended a Seminar on "Leadership Skills in Institution Building" at Management Development Institute at Gurgaon during 4-9 September 2006.

Training and Placement Office

All B.Tech 3rd year students have undergone their vocational training for 6 weeks during summer vacation in different govt./non govt. organizations through out the country.

Placement till 21st September, 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	88.89
2.	Comp.Sc. & Engg.	31	30	96.77
3.	Electrical Engg.	37	18	48.65
4.	Mechanical Engg.	41	34	82.93
5.	Civil Engg.	29	15	51.9

Foreign Visits

- Dr. Umesh Sharma has taken training on "Seismic Resistance of Concrete Structures" from 15th June, 2006 to 15th July 2006 at University of Toronto, Canada
- Dr. Y. R. Sood has visited Montreal, Quebec, Canada, from 18th June, 2006 to 22nd June, 2006 for participation and presentation of research paper in the *IEEE, 2006 PES General Meeting*.

Courses and Training Programme Attended

Faculty

- Prof Y. R. Sood has attended "IPR Awareness Programme" organized by IPR Cell, NIT Kurukshetra under TEQIP, 6th May, 2006 at National Institute of Technology, Hamirpur.
- Mrs. Kamlesh Dutta has attended a workshop on "Information Security" from 15th May, 2006 to 9th June, 2006 at IIT Chennai.
- Smt. Saroj Thakur, has attended seminar on "Prevention and Redressal of Sexual Harassment" from 26th May, 2006 to 27th June, 2006 at NIPA, Bangalore.
- Sr. Surinder Kumar Soni, has attended STC on "VLSI Design & Optimization Techniques" from 5th June, 2006 to 9th June, 2006 at National Institute of Technology, Hamirpur.
- Mrs. Gargi Khanna has attended STC on "VLSI Design & Optimization Techniques" from 5th June, 2006 to 9th June, 2006 at National Institute of Technology, Hamirpur.
- Prof A. S. Singha has attended UNESCO Sponsored International Conference On "Integrated Value Education" at Bangalore from 26th June, 2006 to 28th June, 2006.
- Dr. Sunand Kumar, has attended STC on "Computational Fluid dynamics & Heat Transfer" from 26th June, 2006 to 30th June, 2006, at National Institute of Technology, Hamirpur.
- Sh. Prashant Dhiman, has attended STC on "Computational Fluid dynamics & Heat Transfer" from 26th June, 2006 to 30th June, 2006, at National Institute of Technology, Hamirpur.
- Sh. Sant Ram Chauhan, has attended STC on "Computational Fluid dynamics & Heat Transfer" from 26th June, 2006 to 30th June, 2006, at National Institute of Technology, Hamirpur.
- Dr. N. S. Thakur, attended STC on "Computational Fluid dynamics & Heat Transfer" from 26th June, 2006 to 30th June, 2006, at National Institute of Technology, Hamirpur.
- Dr. Sunil attended International Conference on "Integrated Value Education", The Art of Living International Centre, Bangalore, India, from 26th June, 2006 to 28th June, 2006.
- Sh. O. P. Rahi, has attended QIP STC on "Electromagnetic Interference (EMI)" from 26th June, 2006 to 7th July, 2006 at IIT, Kanpur.
- Sh. Rajiv Kumar Sharma, attended STC on "Personality Predispositions and Managerial Effectiveness" from 26th June, 2006 to 30th June, 2006 at IIT, Roorkee.
- Sh. Ashwani Rana, Lecturer Dept. of E&CE, has attended Instruction Enhancement Programme (IEP) on "Digital IC Design" at IIT Kanpur, 1st July, 2006 to 13th July, 2006 under VLSI SMDP-II project E&CED.
- Smt. Veena Sharma, attended STC on "Emerging Techniques in Power Operation & Control" from 3rd July, 2006 to 7th July, 2006 at National Institute of Technology, Hamirpur.
- Dr. Subhash Chand attended a Short Term Course on "Organic Electronics" organised by Samtel Centre for Display technologies IIT Kanpur, from 17th July, 2006 to 21st July, 2006.
- Dr. R. K. Dutta, attended QIP STC on "Emerging Technologies for Environmental Management" from 17th July, 2006 to 21st July, 2006 at IIT Delhi.
- Sh. Rajiv Kumar Sharma, attended STC on "Advanced Processing of composite materials" from 24th July, 2006 to 28th July, 2006 at IIT, Roorkee.

Technical/Non Teaching Staff

- Sh. Deep Kanga, attended STC on "Photoshop & 3D Studio" from 10th July, 2006 to 14th July, 2006 at NITTTR, Chandigarh
- Sh. Ashwani Kumar, attended STC on "VB Net" from 29th May, 2006 to 2nd July, 2006 at NITTTR, Chandigarh.
- Thirty five non-teaching employees of National Institute of Technology, Hamirpur undertook training on "Computer Hardware and Software" from 5th June, 2006 to 20th June, 2006, at Computer Centre, NIT, Hamirpur.
- Sh. P. S. Kanwar, has attended Training on "Sharpening Behavioral Skills of PS/PA & Others" from 7th June, 2006 to 9th June, 2006 at New Delhi.
- Sh. B. R. Sharma, has attended Training on "Sharpening Behavioral Skills of PS/PA & Others" from 7th June, 2006 to 9th June, 2006 at New Delhi.
- Thirty three non-teaching employees of National Institute of Technology, Hamirpur undertook training on "Office procedures and Financial Administration" 26th June, 2006 to 8th July, 2006 at HP Institute of Public Administration, Fairlawns, Shimla.



Training programme on Office Procedure and Financial Administration at HIPA Shimla

- Thirty four non-teaching employees of National Institute of Technology, Hamirpur undertook training on "Office procedures and Financial Administration" from 17th July, 2006 to 29th July, 2006 at HP Institute of Public Administration, Fairlawns, Shimla.
- Sh. Deep Kanga, has attended STC on "Animation and Graphics from 22nd May, 2006 to 26th May, 2006, at NITTTR, Chandigarh.
- Sh. Ashwani Kumar, has attended Training Programme on "CCNA" from 24th July, 2006 to 5th August, 2006 at M/S.Netmax Technologies, Chandigarh.



Training programme on Office Procedure and Financial Administration at HIPA Shimla

Papers Published in Journals

- **Chand Piar** "Psychological factors in the development of work stress" in *Journal of community guidance and research*, Volume - 23(2), July, 2006.
- **Kaith, B. S.**, Singha, A. S. and Kumar Susheel, "A Study of some Physical and Chemical Properties of Chemically induced Graft Co-polymers of Flax with Binary Monomer Mixtures" *International Journal of Chemical Sciences*, Volume - 4(1), pp : 195-201, (2006).
- **Kaith, B. S.**, Singha, A. S. and Kumar Sunil, "Modification of Mulberry Silk through Graft Co-polymerization with Methyl methacrylate and Evaluation of Swelling Behaviour, Moisture Absorbance, Wettability, Chemical Resistance and Dyeing Characteristics" *International Journal of Chemical Sciences*, Volume- 4(1), pp: 45-54, (2006).
- Marwah B.R., **Parti R.** and Sayee Ram G., "Schedule- A Dynamic Scheduling Model for Buses on a Corridor" *Journal of Highway Research Bulletin of Highway Research Board, Indian Roads Congress*, No. 74, pp: 91-96, (2006).
- Marwah B.R., **Parti R.** and Reddy P. K. C., "Modelling for simulation of Heterogeneous Traffic at a Signalized Intersection" published in *Journal of Highway Research Bulletin of Highway Research Board, Indian Roads Congress*, Volume - 74, pp: 81-89, (2006).
- **Pradhan S. K.**, Parhi D. R. and Panda A. K., Navigation of Multiple Mobile Robots Using Rule-based-Neuro-Fuzzy Technique, *International Journal of Computational Intelligence*, Volume – 3(2), pp: 142-152(2006).
- **Pradhan S. K.**, Parhi D. R. and Panda A. K., Neuro-Fuzzy Technique for Navigation of Multiple Mobile Robots, *Fuzzy Optimization and Decision Making*, Volume – 5, pp: 255-288, (2006).
- **Sehgal R.**, Kumar R., "Design and development of automatic ventilator opening and closing mechanism" *Journal of IE (India)*, Volume 87 (2), pp: 47-50, (2006).
- Sharma R. K., Kumar D. and **Kumar P.**, "Manufacturing Excellence through TPM Implementation – A Practical Analysis", *Industrial Management and Data System*, Volume 106(2), pp: 256-280, (2006)
- Sharma R. K., **Gupta Sunand K.**, "Achieving Productivity and Quality Through Kaizen – A Case Study", *Industrial Engineering Journal*, Volume 35, pp: 19-22, (2006)
- Sharma R. K., **Gupta Sunand K.**, "Off Line Quality Control Using Taguchi's Parametric Design", *Industrial Engineering Journal*, Volume 35(7), pp: 5-10, (2006)
- **Sood Y. R.**, "Evolutionary Programming Based Optimal Power Flow and its Validation for Deregulated Power System Analysis", <http://www.sciencedirect.com>
- **Sood Y. R.**, Padhy N. P. and Gupta H. O., "Deregulated Model and Locational Marginal Pricing" <http://www.sciencedirect.com>
- **Sunil**, Sharma A. and Sharma R. C., "Effect of dust particles on ferrofluid heated and soluted from below", *International Journal of Thermal Sciences*, Volume - 45(4), pp: 347-358, (2006).
- **Sunil**, Sharma A. and Shandil R. G., "Effect of rotation on a ferromagnetic fluid heated and soluted from below in the presence of dust particles", *Applied Mathematics and Computation*, Volume - 177(2), pp: 614-628, (2006).
- **Sunil**, Sharma A., Bharti P. K. and Shandil R. G., "Effect of rotation on a layer of micropolar ferromagnetic fluid heated from below saturating a porous medium", *International Journal of Engineering Science*, Volume - 44(11-12), pp: 683-698 (2006).
- **Thaur N.S.**, Mittal V., Kasana K.S., "A Computational Study on Evaluation of Solar Absorption Cooling System in India", *Journal of Energy Institute*, Volume 79 (3), (2006).
- **Pardeep Kumar** and N M Bhandari, "Mechanism Based Assessment of Masonry Arch Bridges" IABSE quarterly publication, *Structural Engineering International*, Vol. 16, Number 3, August 2006, pp. 226-234.
- Bhargava, P., **Sharma, Umesh.** and Kaushik, S. K., "Compressive Stress-Strain Behavior of Small Scale Steel Fibre Reinforced High Strength Concrete Cylinders", *International Journal of Advanced Concrete Technology*, Japan Concrete Institute , Vol. 4, No. 1, pp. 109-121, February 2006.
- Bhowmick, R., **Sharma, Umesh.** and Bhargava, P., "Numerical Simulation of Confined Concrete Columns and A Parametric Study", *Asian Journal of Civil Engineering*, Vol. 7, No. 4, October 2006.
- **Sharma, Umesh**, Bhargava, P. and Kaushik, S. K., "Confinement of High Strength Concrete Columns: State of the Knowledge", *Journal of Indian Concrete Institute*, Vol. 7, No. 1, June 2006, pp. 7-17.
- **Rajeevan Chandel**, S. Sarkar and R.P. Agarwal, "Repeater stage timing analysis for VLSI resistive interconnects", *Microelectronics International*, Emerald Pub. , Vol. 23, No. 3, pp. 19-25, 2006.

New infrastructure

Following additional facilities have been put up in the institute infrastructure:

- M. Tech. in VLSI Design Automation & Techniques started with a full strength of 18 students in E&CED, jointly with CSE, from 31st July, 2006.
- Vindhyachal Boys Hostel inaugurated by Prof I. K. Bhat, Director NIT Hamirpur for M.Tech and Ph.D students.
- VOIP facilities installed at Type III B, Administrative Houses, All Hostels of the NIT Hamirpur, Institute Guest House etc.
- Twenty additional data nodes points installed in different locations in the Institute.
- Open Tender for Internet facility has been floated for upgrading the internet bandwidth from 2 Mbps to 8 Mbps.
- Chevrolet Tavera B-3 purchased for training and placement purpose. TATA 1510 (Turbo) Bus purchased for students tour programme.
- New wireless communication systems for security purpose, consisting of 10 numbers of mobile hand set and one base station along with transmission antenna worth Rs. 2.50 lac was procured and installed in the campus.
- Office furniture worth Rupees Twenty One Lakhs was procured for faculty offices.
- Twenty numbers of switches, patch panels and UTP cables was procured to extend data/phone connectivity to various locations in the campus.

Recruitments and Promotions

- Dr. Rakesh Sehgal - MED, Dr. Y .R. Sood – EED, Dr. Ravi Kumar Sharma-CED, Dr. Raman Parti – CED, Sushil Chauhan – EED, and Dr. Lalit Awasthi – CSE were promoted as Professors.
- Dr. A. K. Gupta – CED, Sh. I. P.Singh – Arch., Dr. Umesh Kumar Sharma – CED, Dr. Rakesh Dutta – CED, Dr. Pardeep Kumar – CED, Dr. R. S. Banshnu – CED, Dr. Mukesh Pathak – EED, Dr. Ashwani Kumar – EED, Dr.(Mrs) Rajeevan Chandel – E&CED, Dr. Subhash Chand – Applied. Sc., and Dr. Sunil – Applied. Sc. were promoted as Assistant Professors.
- Sh. Rajesh Sharma – MED, Sh. Surjit Singh Katoch, Sh Raninder Nath –EED, Smt. Veena Sharma –EED, Sh R. K. Jarial –EED, Ms. Kamlesh Dutta – CSE, Sh. Narottam Chand – CSE, Sh. B. J. Rao – E&CED, Sh. K. S. Pandey – CSED, were promoted as Lecturer (Selection Grade)
- Sh Sant Ram Chauhan - MED, Sh Somesh Sharma – MED, Sh. Prashant Kumar – MED, Sh Bharat Bhushan – EED, Sh. O. P. Rahi – EED, Smt Gargi Khana – E&CED and Sh. R.K.Jamalita – PED promoted to Lecturer (Senior Scale).
- Dr. Kuldeep Sharma joined as Lecturer in Applied Science & Humanities Department.
- Sh. Rajiv Kumar Sharma and Sh. S. K. Pradhan have joined as Lecturer in Mechanical Engineering Department.
- Mrs Ritu Chopra, Miss Amanjit Kaur and Sh. Amitava Sarkar have joined as Lecturer in Architecture Engineering.
- Sh. Naveen Kumar, Sh. Rajeev Kumar and Sh. Pardeep Singh have joined as Lecturer in the Department of Computer Science & Engineering.
- Sh. Krishan Kumar has joined as Lecturer in E&CE.

Library

- Supply orders amounting to Rupees five lakhs have placed for procurement of Text Books.
- 238 books (20 titles) have been added to the library during last three months.
- The first level training of Libsys software was organized by M/S Libsys Corp. Gurgaon from 19th June to 23rd June, 2006.
- 50 books were classified and processed during this period.

Upcoming Events

- National Conference on “Recent Developments and Future Trends in Mechanical Engineering” (RDFTME-2006), 3-4 November, 2006
- Short term course on “VLSI design and Recent Trends in Nano-Electronics”, December 18-22, 2006.
- Short term course on “Mobile Computing”, December 18-22, 2006.
- Short term course on “Small Hydro Power”, December 11-15, 2006.
- Hill 'ffair 2006, November 3-5, 2006.



Students Working in Laboratory



Institute Open Air Theatre

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.



Institute Guest House



Institute Auditorium

Editorial Board

Dr. Umesh Sharma
Dr. Pardeep Kumar
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