



NEWSLETTER

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VISION

To build a vibrant multicultural learning environment founded on value based academic principles, wherein all involved shall contribute effectively, efficiently and responsibly to the nation and global community.

MISSION

- To achieve academic excellence in engineering, technology, architecture and science by imparting quality and value based education.
- To inspire our students to become responsible citizens and competent professionals with high ethical values.
- To meet the expectations of technical human resource at national and international level.

HIGHLIGHTS

- Conference of Directors of NITs
- 7th Convocation
- International Conference
- National Unity Day Celebration
- International Students' Day
- New academic Programmes
- GLUG Society Initiatives
- Innovation Initiatives



राष्ट्रीय प्रौद्योगिकी संस्थान, हमीरपुर (हि० प्र०)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P.)

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DIRECTOR'S MESSAGE



Prof. Rajnish Shrivastava

First of all, let me wish you all a very happy and fruitful 2015. It gives me a lot of pleasure to share with you the milestones we achieved over the past year and the goals we have set for the holistic development of the Institute for the coming. The past year saw an expansion in mandate entrusted to us. Hon. President of India, Pranab Mukherjee, at the conference of Directors of National Institutes of Technology, urged the NITs to play a larger role in the social development and help devise solutions, which cater to all associated stakeholders. Through its research, academic and non-academic endeavors, NIT Hamirpur has always been connected and committed to the well being of the society. Over the next few years, we look to strengthen these initiatives further. The encouragement provided by the Ministry under the leadership of Smt. Smriti Z. Irani, Union Minister of HRD was indispensable.

Let me take this opportunity to enumerate a few of our initiatives. We, at NIT Hamirpur, have always believed that the sole purpose of a good education system is to mold students into responsible human beings, committed to the betterment of the society and the country. In tandem with this, the institute has been participating in the nationwide efforts of Swacch Bharat Abhiyaan, International Students Day and National Unity Day (to mark the birth Anniversary of 'Iron Man' Sardar Vallabhbhai Patel). On the academic front, we have revised the curriculum, introduced remedial classes and re-evaluation of answer scripts. We have started an integrated dual degree programme in Computer Science and Engineering (CSE). The Institute was chosen over IITs and has been entrusted with the responsibility of establishing IIIT Una. Two UG programmes in Computer Science and Engineering and Electronics and Communication Engineering with initial intakes of 30 students each have been started.

I would also like to thank Padma Bhushan Prof. V.S. Ramamurthy, outgoing Chairman of BOG, NIT Hamirpur for his valuable guidance. Under his stewardship, NIT Hamirpur has taken several leaps in the directions of academic excellence. On the other hand, I would like to welcome Padma Bhushan Shri Senapathy (Kris) Gopalakrishnan, Ex-Executive Vice-Chairman, MD & CEO, Infosys as the new Chairman of the BOG. I believe this handover of reins from one of country's most illustrious scientists and academicians to one of foremost tech-entrepreneurs also reflects the natural growth and development that any technical Institute would want to have.

Lastly, I am proud to share with you that National Board of Accreditation has accredited all our eligible UG programmes for five years (which is the maximum possible). Our eligible PG programmes have already been accredited earlier. This is a testimony to the quality of education being provided at NIT Hamirpur. The dedication of our faculty, staff and students has been integral. Seeing their commitment and zeal, I can safely say that NIT Hamirpur is poised to achieve even greater heights in the coming years.

-Prof. Rajnish Shrivastava



Conference of Directors of NITs

A two day Conference of Directors of National Institutes of Technology was convened by Shri Pranab Mukherjee, the President of India in his capacity as Visitor during 29-30 October, 2014 at Rashtrapati Bhavan. Smt Smriti Zubin Irani, Union Minister for Human Resources Development was also present in the conference.

The conference aims to define roadmap for achieving our national vision of excellence in education. He said that NITs must evolve strategies to promote the culture of research and development. The research must lead on to innovation and patents which should be socially relevant. Pranab Mukherjee said that engineering institutions like NITs must work towards making the Science, Technology and Innovation (STI) policy a success. They must mentor grassroots innovators to develop their ideas into useful products that benefit the common man.

The President also congratulated NITs for their contributions to research and innovation. He said, given the right environment our scientists and technologists are second to none in the world. He stated that NITs have emerged as front runners in imparting quality scientific and technical education in India. The need now is for the NITs to undertake a synergetic collaboration with similar institutions in the country and abroad as also forge greater horizontal linkages with them at multiple levels of contact.

The agenda of the two day Conference included (a) steps required for deepening research and technological innovation for meeting national development goals; (b) technology enabled learning; (c) building international networks and linkages for quality improvement and (d) initiatives for capacity development of faculty. Detailed recommendations were made on each of the agenda items by the Directors of NITs at the end of the discussions.

Prof. Rajnish Shrivastava, director NIT Hamirpur attended the conference and shared the vision of NIT Hamirpur. In order to promote deepening Research & Technological

Innovation for Meeting National Development Goals, Prof. Shrivastava proposed to foster collaborative research among NITs to start and then scale up to other institutions. Collaborative research will facilitate the implementation of large projects. Such collaborative groups will have a better international visibility and recognition. He reiterated that since the NITs as a system have matured, the steps to foster collaborative projects across NITs can be taken up easily. He suggested that NITs may liaison with other institutions for identifying and facilitating the inherent/inherited talent of the sections of workforce from unorganised sector who have not received formal education/training. NITs may be statutorily mandated for such initiatives to contribute towards this National Development Goal. Ideas proposed by Prof. Rajnish Shrivastava, Director NIT Hamirpur were appreciated and incorporated in the conclusive recommendations.





7th Convocation

The Seventh Convocation of NIT Hamirpur was held on December 17, 2014. Honourable Governor of Himachal Pradesh, Shrimati Urmila Singh presided over the function. At this prestigious academic ceremony, Chairman, Board of Governors NIT Hamirpur, Sh. Senapathy (Kris) Gopalakrishnan, Co-founder Infosys, signed the scroll of degrees. Professor Rajnish Shrivastava, Director, NIT Hamirpur conferred the degree to all the successful candidates.

Honourable Governor of Himachal Pradesh Shrimati Urmila Singh distributed gold medals to meritorious students, awarded PhD Degrees and delivered the convocation address to the convocation gathering. While speaking on the occasion, she said that youth were true assets of the society and had the power to transform a nation. In this convocation 580 degree(s) were awarded, 360 candidates received their degrees in person and 220 in absentia.

Among the degree recipients, 48 candidates were awarded Doctor of Philosophy, 119 candidates were awarded a Master's degree and 413 candidates were awarded a Bachelor's degree.

Governor also inaugurated a photo exhibition 'Sundar Himachal Pyara Himachal Sabse Nyara Himachal Wah Himachal' put up by senior journalist and photographer Birbal Sharma. Prof Rajnish Shrivastava, Director NIT welcomed the Governor and detailed about the activities of the institution. He apprised the gathering about the highlights and achievements of the institution. Senapathy (Chris) Gopalakrishnan, Chairman Board of Governors Council NIT Hamirpur proposed vote of thanks. Rohan Thakur, Deputy Commissioner, Ajay Bodh SP, Chancellors of Universities, Members of Senate, teaching and administrative staff of NIT, students and prominent people of the area were present on the occasion.





NIT-MTMI International Conference

2014 NIT-MTMI International Conference on Emerging Paradigms and Practices in Global Technology, Management & Business Issues under TEQIP-II was organized by the Department of Mechanical Engineering, jointly with Modern Technology and Management Institute (MTMI) Inc. USA sponsored by Department of Business, Management and Accounting, University of Maryland, Eastern Shore, USA & College of Business, Frostburg State University, Frostburg, MD, USA during December 22-24, 2014 at National Institute of Technology, Hamirpur (H.P.), India, Prof. Sunand Kumar being the Conference Coordinator.

Prof. Rajnish Shrivastava, Director, National Institute of Technology Hamirpur was the Chief Guest on the inaugural day (December 22, 2014) of the conference. In his inaugural address Prof. Shrivastava stressed upon the need for working together like a team. He advocated everyone i.e. Technologists, Professors, bureaucracy, Industrialists, Engineers, and all right attitude possessing citizens to contribute effectively in the national endeavour. On this occasion Prof. Kamal Nayan Agarwal, Vice Chairman, MTMI, USA stressed the need of using multi-disciplinary research-based idea generation and discussions approach with open mind for inculcating seed of prosperity and fostering emerging technologies for future generations by carrying along everyone on this earth in national endeavour.



NMEICT Workshop



National Institute of Technology, Hamirpur, Himachal Pradesh organized a One Day Workshop on NMEICT Awareness for the faculty members of Engineering, Sciences and Management colleges of Himachal Pradesh. In total 39 participants attended the programme. This workshop was conducted successfully with the support of the Ministry of Human Resource and Development (MHRD), New Delhi and collaboration of NITTTR Chandigarh on 12th July 2014. Prof. Maitreyee Dutta, Prof. S.S. Pattnaik from National Institute of Technical Teachers Training and Research, Chandigarh and Prof. Kamal Bijlani from Amrita University were the key experts in the workshop. Coordinators: Er. Nitin Gupta & Dr. Madhu Kumari.



Atomic Energy for Sustainable Growth Seminar (AESG)

A Seminar on “Atomic Energy for Sustainable Growth” (AESG-14) and BARC Exhibition was organised by the Department of Physics, National Institute of Technology – Hamirpur in association with Bhabha Atomic Research Centre (BARC), Mumbai, on March 13, 2014.

The Chief Guest on the Inaugural function of this seminar was Professor Rajnish Shrivastava, Hon’ble Director, NIT Hamirpur. Speaking on the occasion the Director asked the scientists to enhance the R & D activities by training the young minds through imparting knowledge in this area, in order to cater to the scientific manpower needed to our nation in nuclear energy sector in near future.

Shri R.K. Singh, Distinguished Scientist and Head, Media Relations & Public Awareness Section, Bhabha Atomic Research Centre, Mumbai was the Guest of Honor on this occasion. He delivered inaugural lecture on “Atomic Energy in the Service of Mankind and Public Perception”. Speaking on the occasion he said that the wrong perceptions about the nuclear energy are depriving India to achieve energy security using nuclear energy will be dangerous and self defeating. Outreach to masses by nuclear professionals and academia helps the public understand the scientific facts and keeps public away from myths and confusions.

A Quiz on the BARC technologies was also conducted during this seminar and the six winner students of NIT Hamirpur in this quiz being allowed to visit BARC free of cost to see the latest on going R & D activities. The alumnus of NIT Hamirpur & Eminent Scientist at BARC, Shri Rajesh Kumar delivered expert lecture on “Charged particle Accelerators in the Service of Society”. Another expert Shri S. K. Singh, Distinguished Scientist, BARC, delivered expert talk on “Career Opportunities in the Department of Atomic Energy”. Convener Dr. Kuldeep Kumar Sharma, also delivered expert talk on “Nuclear Fusion: The Promising Future Source of Energy”. Dr. Arvind Kumar, Head of Physics Department also lauded the role of nuclear energy in the development of nation and mankind at large. The other members of organizing committee include Co-conveners: Dr. Subhash Chand, Dr. Rajesh Kumar, and Dr. Vimal Sharma of Deptt. of Physics. More than 300 faculty and student participants from different institutions attended this seminar.





UNITY DAY CELEBRATION

At NIT Hamirpur the wheels of students' all round development are always in motion. Towing the same line, on the occasion of Ekta Diwas a series of events were organized

Panel Discussion

HSS Department, NIT Hamirpur organized a panel discussion on 'Sardar Vallabhbhai Patel's Contribution to National Unity, Safety and Security' on 30th October, 2014 . in the conference hall of the Department. Panelists, who were divided into two panels, showcased their talent by participating enthusiastically. After having introduced themselves, the panelists apprised the audience about the life and works of Sardar Patel. This was followed by a discussion session wherein the audience cradled the dream to re-unite the nation in the name of the Ironman of our country, Sardar Patel. It was heartening to see the younger generation coming up with an affirmative response to the possibility of having united and integral India. The panel discussion ended on a positive note by focusing on the need to incarnate and symbolize the idea of 'One India'. And to make it work, no one but Sardar Patel, a man with nerves of steel and will of iron was rightly chosen as the mascot.



Debate Competition

On the occasion of National Unity Day, on 31st October (Birth Anniversary of Sardar Vallabhbhai Patel), a debate competition was organized by Team Srijan. The topic of the debate was : "Are the Steps taken for National Unity and Safety working?". The Debate saw putting up one's for or against notion on the stage with full fervor and responsibility. The Winners of the Debate were Chirag Tyagi(First Place), Yash Sharma (Second Place) and Nirdosh Gupta(Third Place). They were given cash prizes of 2000, 1000, and 500 rupees respectively. The debate was judged by Dr. Anoop Kumar, Dr (Mrs) Kamlesh Dutta and Dr. Vijay Shankar Dogra. All the three judges, also expressed their views on the topic of the debate and was cherished and grasped by participants and audience alike.





National Education Day

Education is the essence of life and it cannot be achieved without creating. Although, the present education system is constantly speculated of killing creativity, asking for other students' opinions Srijan organised an essay writing competition along with MHRD Govt. of INDIA on the topic "Is modern education system killing creativity?".

The competition took place in the administration building of the institute on November 11, 2014 on the occasion of National Education Day. It turned out a success as students in large numbers participated to express their thoughts and many formidable pros and cons were obtained. The Winners of the event were Harshul Nag (First Place), Akshit Soni (Second Place) and Navanshu Agrawal (Third Place). They were given cash prizes of 1500, 1000 and 750 rupees respectively.

International Students' Day

Millions of students pass out of college each year. Many pursue higher studies, many look for a job, many prepare for various exams, and there is still a large number of students who are unsure about the direction to take. The number of such students is increasing alarmingly in Engineering.

On the occasion of International Students' Day (November 17, 2014), a Students' Parliament at NIT Hamirpur, discussed and debated on the topic – 'Shikshit Bharat, Saksham Bharat – Quality Education for all' and gave their recommendations for the Education Policy.





PMGSY PROJECT

For systematic rural road planning, construction mobilization & deployment of funds and modern methods of On Line Management and Monitoring System, Government of India initiated an ambitious programme of Pradhan Mantri Gram Sadak Yojana (PMGSY). State Technical Agency for rural roads under PMGSY and world Bank aided projects, NRRDA, Govt. of India. NIT Hamirpur, being a participating agency for Himachal Pradesh actively contributes toward the achievement of the objectives of the project. Prof. Raman Parti, is the Coordinator of the project. Under this project a series of training programmes for HPPWD Engineers/officials on “DPR Preparation and Quality Assurance for Rural Roads” were organized (9-11, October, 2014, 30 October- 1 November, 2014; 20-22 November, 2014) The three days training programmes include the topics on quality DPR preparation, formats used in the DPR, OMMAS, Quality control of aggregates and bituminous materials, Locally available and waste materials and their use in road construction, Total stations and their use in surveying etc.

During the inaugural session, Dr. Raman Parti Coordinator STA and Pardeep Kumar, Head Civil Engineering Deptt., NIT Hamirpur deliberated on various issues on PMGSY which are being carried out in the State of Himachal Pradesh. Dr. R.K. Dutta, Prof. Civil Engg. Department, NIT Hamirpur talked about the latest techniques and use of locally available materials for construction of rural roads during the first day. Laboratory session for quality assurance of soil, aggregates and bituminous materials were conducted.

Mr. Satish Sagar, Retd. Chief Engineer, HPPWD and presently NQM with NRRDA talked about the deficiencies noticed in the DPR preparation. He elaborately discussed the quality control measures to be taken during Pre-construction, construction and post construction of rural roads. Sh. L.K.Pandey elaborately discussed about OMMAS and trained the field engineers about data entry on OMMAS. During the valedictory session, Chief Engineer (PMGSY) Mr. Rakesh Gupta deliberated on various issues on PMGSY which are being carried out in the State of Himachal Pradesh.





EXHIBITION OF INNOVATIONS

An exhibition under the RuTAG Centre (Rural Technology Action Group) was held on 12th and 13th Aug 2014 at NIT Hamirpur, Himachal Pradesh with the support from National Innovation Foundation Ahmedabad. The exhibition was inaugurated by Professor Rajnish Shrivastava, Director, NIT Hamirpur. The exhibition helped in disseminating the knowledge related to the process of innovation to the students of NIT Hamirpur. Among the various product displayed were Bamboo splint making machine, multi tree climber, paddy husk stove, petrol performance enhancer, portable energy efficient wood stove, solar mosquito destroyer, stencil cutting, sugarcane bud chipper, high voltage protection device, modified kerosene stove, Spade cum hoe and others, water purification bottle, innovative spade etc. The other organizations that also participated in exhibition were Appropriate Technologies Centre Sundernagar, CSK Himachal Pradesh Agriculture University Palampur and Central Institute of Post Harvest Engineering & Technology Ludhiana.



The RuTAG Centre has conducted various meetings along with the NGOs at the village level to know the ground realities, problems being faced by rural people in the different areas of Himachal Pradesh. The several meetings that have been conducted were –

- 4th March 2014 at Sidhbari along with Chinmaya Organization for Rural Development,
- 4th March 2014 at Rait, Kangra along with Zigyasa Educational and welfare society,
- 5th March 2014 at Sundernagar along with Centre for Sustainable Development,
- 5th March 2014 at Malori, Mandi along with Society for Technology & Development,
- 21st March 2014 at Village Shakori, Tehsil Sunni District Shimla along with Jan Abhiyan Sanstha,
- 22nd March 2014 at Village Sholi, Tehsil Rampur, Dist. Shimla along with Institute for Integrated Rural Development.



NEW ACADEMIC PROGRAMMES

IIIT Una (Saloh) is one of the 20 IIITs being setup, funded and managed by the Ministry of Human Resource Development, Govt. of India under the Public Private Partnership (PPP) model. The partners setting up IIIT Una (Saloh) are the Ministry of Human Resource Development, Govt. of India, the Govt. of Himachal Pradesh, HP Power Corporation Limited and HP Transmission Corporation Limited. National Institute of Technology, Hamirpur has been entrusted the responsibility of mentoring IIIT Una (Saloh) by MHRD, Govt. of India till the time its new campus is made operational at Saloh, Una. At present, IIIT Una (Saloh) operates from its temporary premises at NIT Hamirpur offering B.Tech Computer Science & Engineering and Electronics and Communication Engineering with an initial intake of 30 students in each specialization from the academic year 2014-15.

Department of Computer Science & Engineering started a new programme of five year integrated M. Tech. programme in Computer Science and Engineering w.e.f July, 2014 to the students who are interested in advanced learning and research in any area of computer science & information technology. The programme is a dual degree program and at the end of 5 Years, a student passing all Courses/Project/ Dissertation will be awarded two degrees of B. Tech. (CSE) and M.Tech. (CSE). The programme has been started with the initial intake of sixty students.

Department of Chemical Engineering established in the year 2013, with the mission to impart a high quality engineering education, moulds the students to meet the ever growing demand for technical manpower in the Chemical Engineering arena. Under the vision of Prof. A. S. Singha, Head, Chemical Engineering Department & Dr. Varun, Coordinator, department acquire four young and dynamic faculty members. The Department is motivated to establish the state of the art laboratory infrastructure with all experimental and computational facilities to promote academic excellence and research. The department has procured various laboratory equipments such as, Heat Transfer Laboratory, Mechanical Unit Operation Laboratory, and Fluid Mechanics Laboratory.

The department of Management of Studies has been approved for commencement of MBA programme from academic session 2015-16.





EVENTS ORGANISED

- Dr. Gargi Khanna, Prof. Rajeevan Chandel and Dr. Surender Soni conducted an International Seminar on “Design Techniques for Low Power Integrated Systems” in the E&CE Department under TEQIP-II and IEEE from 29-31 March 2014.
- TEQIP-II sponsored STC, Challenges and Opportunities in VLSI Design and Technology (COVDAT-14), from 23-28 June 2014 held in Electronics and Communication Engineering Department. Coordinator- Er. Vinod Kumar
- Workshop on Analog Systems Design with ASLKv2010 was conducted under TEQIP-II on 22-23 Feb 2014 in E&CE Department. Mr. Gurpreet Singh Representative of Ed Gate Technologies Pvt. Ltd, Bangalore was the expert- Coordinators - Prof. Vinod Kapoor and Dr. Ashwani Rana
- ECED organized STC on VLSI System Design (VSD-2014), during 23 -24 March 2014, Coordinator - Er. Gagnesh Kumar
- TEQIP-II sponsored STC, VLSI and Communication System Design with EDA Tools VCEDA-14 during 16-20 June 2014, Coordinators-Dr. Ashwani Rana and Er. Rakesh Kumar
- TEQIP-II sponsored National Conference VLSI Signal Processing & Communication Engineering (VSPCE-14), 16-17 August 2014, Coordinators- Er. Gagnesh Kumar and Dr. Ashok Kumar
- Electrical Engineering Department organized a series of Short-Term courses on “Emerging Trends in Power Transformer Engineering”, for HPSEBL, Shimla Engineers (6-8 September, 2014; 25-27 November, 2014; 29-30 December, 2014), sponsored by TIFAC-CORE. Course Coordinator: Dr. R. K. Jarial.
- Electrical Engineering Department organized a Short-Term course on “Power Quality in Deregulated Power System with MATLAB Applications (PQDPS-2014)”, 05-09 July 2014, sponsored by TEQIP-II. Coordinators: Dr. A. K. Chandel and Dr. R. K. Jarial.
- Two days National conference on “Recent Trends in Chemical Sciences, Engineering and Technology (RTCET 2014)” held on 29-30 May, 2014, Convener: Prof. A. S. Singha, Co-Convener: Dr. Pamita Awasthi and Dr. Kalyan S Ghosh
- Three Short Term Training Programs were organized for HP Govt ITI staff (Sponsored by HP Govt) by Mechanical Engineering Department: Fitting, Turner, Machinist and Tool & Die maker from 30 June, 2014 - 5th July, 2014; Advance Welding Process 7-12 July, 2014; Motor Mechanic and Diesel Mechanic, 14-19 July, 2014, Course coordinator: Dr. Rajesh Sharma
- Electrical Engineering Department organized a one day workshop on, “Automation Technology” April 8, 2014, sponsored by TEQIP-II, Coordinator: Dr. Y. R. Sood.
- One day Workshop on, HYPERSIM, on October 09, 2014, at Department of Electrical Engineering, NIT Hamirpur (H.P), coordinator-Prof. Y R Sood.



- The department of Mathematics successfully conducted the first round of the International Mathematical Olympiad entitled "Regional Mathematical Olympiad 2014" on dated 28 Sept. 2014. The department is organizing this activity since 1999.
- TEQIP-II Sponsored STC on "CFD and Heat Transfer with its Applications" during 19-23 May 2014. Coordinators: Dr. Anoop Kumar and Dr. Varun
- Mechanical Engineering Department organized TEQIP-II sponsored STC on "Maintenance Management in Industries" during 25-29 Dec., 2014. Coordinators - Dr. Rajiv Kr. Sharma and Er. Ashwani Tayal
- TEQIP-II Sponsored STC on "Fundamentals of Tribology" during 26-30 May, 2014. Coordinators- Prof. Rakesh Sehgal and Dr. Rajesh Sharma
- TEQIP-II Sponsored STC on "CFD and Heat Transfer with its Applications" 19-23 May, 2014, Dr. Anoop Kumar and Dr. Varun
- CSED organized TEQIP sponsored workshop in association with Infosys "Agile Software Development" on 13th March 2014, Coordinators - Dr. T. P. Sharma and Er. Rajeev Kumar
- Interdisciplinary Workshop, Aakriti on "Rendering and papier Mache" was organised by Architecture Department on 10th October, 2014. Coordinator -Ar. Venushree
- Hindi Diwas was celebrated on 14th September, 2014
- Swachata Diwas was celebrated on 2nd October, 2014
- Martyrs day was observed on 23.02.2014 by the students of NIT Hamirpur
- Annual Technical Festival "Nimbus-14" was organised from 4-6 April 2014 and the theme of this Tech Fest was imparting technical skill amongst engineering students.
- Alumni meets were organised by Civil, Electrical and Electronics departments on 12th April, 2014, 3rd May, 2014 and 8th May, 2014 respectively.
- The students actively participated in the Nukkad Nataks under SVEEP activities during Lok Sabha Elections-2014 in the District Hamirpur (HP) to make the efforts of Election Department a success to increase the voter turnout.



PROGRAMMES ATTENDED

- Ar. Amitava Sarkar, attended Indo-Dutch International Conference on Design for Sustainable Well-being and Empowerment held on 12th – 14th June 2014 Indian Institute of Science, Bangalore, India
- Dr. Arvind Kumar attend National Conference on Luminescence and its Application (NCLA-2014) from 5-7 February, 2014 at Rani Durgavati University, Jabalpur (MP)
- Dr. Ashwani Kumar and Sh. Rakesh Sharma attended 2nd International Conference on Emerging Trends in Engineering and Technology (ICETET'2014) held on 30th – 31st May 2014 at London (UK)
- Dr. B.B. Sharma, Er. Himesh Handa, Dr. R K Jarial and Prof. Yog Raj Sood presented their research papers in 2nd International Conference on Emerging Trends in Engineering and Technology (ICETET'2014) organized by International Institute of Engineers, London (U.K.).
- Dr. I.P. Singh and Prof. Minakshi Jain attended XII International Conference on Sustainable Building and Architectural Engineering (ICSBAE-2014) held on 30-31 December 2014 at Paris, France.
- Er. Gagnesh Kumar attended and presented papers in International Conference on Electrical and Electronics Engineering (ICEEE 2014), 10-11 March 2014, MIAMI, USA; International Conference on Electronics, Robotics and Mechatronics Engineering, ICERME 2014 29-30 June 2014, London, UK
- Dr. Gargi Khanna attended International conference on Electrical, Computer, Electronics and Communication Engineering (ICECECE-2014) Paris France from July 21 – 22, 2014
- Prof. J N Sharma attended 4th Asian conference on “Mechanics of Functional Materials and Structures” during Oct. 10-13, 2014, Osaka Institute of Technology, Nara Japan and chaired a technical session in the conference.
- Dr. I P Singh and Prof. Minakshi Jain attended XII International Conference on Sustainable Building and Architectural Engineering (ICSBAE-2014) held on 30-31 December, 2014 at Paris, France.
- Sh.K.S.Pandy attended ICCIT 2014: International Conference on Communication, Control and Information Technology held on 30th – 31st July 2014 at Zurich, Switzerland
- Dr. Kuldeep Kumar Sharma attended International Conference on Condensed Matter Physics (ICCMP – 2014), being Shimla during November 04-06, 2014,
- Dr. Madhu Kumari attended the Third Annual National Knowledge Network Workshop, IIT, Guwahati from 15th to 17th December 2014; attended International Workshop on Data and Text Analytics, 8th -13th December 2014, South Asian University, New Delhi; International conference on Artificial Intelligence, Data and Knowledge Engineering (ICAIDKE – 2014) organized World Academy of Science, Engineering and Technology, Paris France from July 21 – 22, 2014
- Dr. Manoj Sharma, Ar. Puneet Sharma and Ar. Sandeep Sharma attended International Conference on Innovative Trends in Multidisciplinary Academic Research ITMAR-2014 held during 20-21 October, 2014 at Istanbul (Turkey)
- Dr. Narottam Chand visited Samsung Electronics, South Korea to impart technical training to researchers and engineers, June 23-27, 2014; visited Greece to attend and chaired a technical session in International Conference on Circuits, Systems, Communication and Computers (CSCC) July 17-21, 2014; attended Workshop on Agilent Software Development, March 13, 2014, NIT Hamirpur, Organized by Infosys Chandigarh under Campus Connect



Programme.

- Dr. Naveen Chauhan, Er. Rajeev Kumar and Er. Nitin Gupta attended International Conference on Wireless Networks (ICWN'14) at Monte Carlo Resort, Las Vegas, Nevada, USA during July 21-24, 2014
- Dr. O. P. Rahi, presented a research paper in IEEE General Meeting during 27-31 July, 2014, New York USA
- Dr. Pardeep Kumar and Dr. Vijay Kumar Bansal attended 7th WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMSEG'14) at Salerno Italy from 03-05 June, 2014
- Er. Pardeep Singh attended and presented paper in ICCDET-2014 at London during 29-30 June, 2014
- Dr. Pawan Kumar Sharma attended International Conference on "Recent Advances in Mathematics (ICRAM 2014) organized during 20-23 January, 2014 at Nagpur University, Nagpur MS (India)
- Er. Philemon Daniel, attended "2014 International Business Conference" Colorado 80128, USA from October 05-08, 2014.
- Er. Philemon Daniel and Er. Vinod Kumar attended course on "Control and Instrumentation Tech. for Engineers and Technicians" [ESCI Hyderabad) during 8-10 January, 2014
- Dr. R.S. Banshtu attended and presented research paper titled "Application of Remote Sensing and GIS Techniques in Landslide Hazard Zonation of Hilly Terrain" as Author in Beijing, China from 02-11 June, 2014
- Prof. Rajeevan Chandel, Dr. Narottam Chand, Dr. Veena Sharma and Prof. Vinod Kapoor attended 2nd World summit on Accreditation WOSA 2014 w.e.f. 08-10 March, 2014 at New Delhi.
- Dr. Rajesh Kumar attended the Third Refresher Course in Materials Preparation and Measurement of Properties held from, December 2 – 17, 2014 at the premises of the Indian Academy of Sciences in Jalahalli, Bangalore (sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and The National Academy of Sciences, India, Allahabad)
- Prof. Rakesh Sehgal, Prof. Ravi Kumar Sharma and Prof. Vinod Kumar attended 2014 International Education Conference held on 8th to 12th June 2014 at Munich, Germany
- Prof. S.S. Chandel attended 7th international PV Hybrid and Mini Grid Conference held on 10th to 11th April 2014 at Stadthalle Bad Hersfeld, Germany
- Dr.S.S.Katoch attended ICEITE-2014: International Conference on Environmental, Infrastructure and Transportation Engineering held on 26th-27th September 2014 at London, UK
- Dr.Siddhatha Chauhan attended ICWCSN 2014: International Conference on Wireless Communication and Sensor Networks held on 30th – 31st July 2014 at Zurich, Switzerland
- Dr.Subhash Chand attended the Material Research Fall Society (MRS) Meeting held on 30th November to 5th December 2014 at Boston USA
- Dr. Sunand Kumar, attended International Conference of Manufacturing Engineering and Engineering Management (ICMEEM 2014) held from 2nd to 4th July 2014 London (United Kingdom)
- Dr. Surender Soni and Dr. Ashok Kumar attended IEEE Workshop (IAW-2014) NITTR, Chandigarh from 26-30 May, 2014



- Dr. T.P. Sharma attended WASET International Conference on Computer and Information Technology (ICCIT 2014), 16-17 June, 2014 at Toronto, Canada
- Dr. Veena Sharma attended workshop on “Delivering high performance collaborative research and funding opportunities” during 21-22 August, 2014 jointly organized by National Design and Research Forum & IE (India) at NIMHANS Convention Centre, Bangalore
- Dr. Vijay Shankar, attended WASET International Conference on Agriculture and bio-systems Engineering, ICABE-2014 held on 16-17 June, 2014, Toronto Canada
- Dr. Zakir Husain, attended International Conference (ICECECE-2014) during July 21-22, 2014. Paris, France.





INVITED LECTURES

- Er. A.M. Damle, Simulation Engineer at Nayak Power System Mumbai delivered a lecture on “Real Time Digital Simulation” on 12 November 2014, organized by Electrical Department
- Dr. Amrutur Bhardwaj, IISc Bangalore delivered expert lecture in International Seminar on “Design Techniques for Low Power Integrated Systems” in DTL-14, on 29th March, 2014.
- Prof. Anand Srivastava, IIT Mandi, delivered an expert lecture on Wireless Communication in International Seminar in DTL-14, on 31st March, 2014.
- Mr. Arun Ganesh, Consultant (Digital Literacy) at Homi Baba Centre for Science Education delivered expert talk on FOSS in a “Software Freedom Day” workshop organized by GLUG@ NITH on 20th September, 2014
- Ms. Bernadette Langle, Policy Associate at the Centre for Internet and Society, based in Bangalore delivered expert talk on software freedom in a “Software Freedom Day” workshop organized by GLUG@ NITH on 20th September, 2014
- Dr. Ashok Kumar delivered expert talk on Use of Technology in Teaching faculty development Programme of HPTU, 1-6 December 2014
- Er. B.S. Singh, Chief General Manager (Retd.) NFL Nangal delivered expert lecture on “Planning and proper management of time Knowledge and skills for effective and efficient strategic Project & HR Management” to students of E&CE on 3rd April, 2014.
- Prof. Francisco M Gonzalez Longatt, Lecturer in Electrical Engineering, Loughborough University, UK delivered a lecturer on “Futuristic Energy Systems” on 12th December 2014 organized by Electrical Engineering Department
- Prof. G. S. Visweswaran, EED, IIT Delhi delivered expert lecture on “Research Issues in VLSI Design” to PG students & Faculty of E&CE on 6th February 2014.
- Dr. Kamlesh Dutta delivered expert talks on “Genetic Algorithm” and “R-tool for Data Analysis”, in TEQIP-II sponsored STC on Data analysis and Soft Computing organized by NIT Jalandhar during 9-13 June, 2014; “IPv6 transition plan for India”, in the National Conference on Emerging Principles & Practices in Computers and Communication Media EPPCCM-2014, (30th – 31st May, 2014) S.S.C.E.T Badhani; “IPv6 next generation protocol”, in the National Conference “Recent Trends in Computing, Information and Application”, (NCRTCIA-2014), 24th May, 2014, Sri Sai University, Palampur (HP). “IPv6: Next generation protocol for Cloud Computing Environment”, in STC under TEQIP-II w.e.f. Feb 10-14, 2014 on Recent Trends in cloud computing and its applications. Beant College of Engineering and Technology, Gurdaspur, Pb; “Anaphora Resolution: Why it is important for NLP applications” at TEQIP-II sponsored faculty development programme on “Natural Language Processing (13-17 January, 2014) organized by CSE Department, Guru Nanak Dev Engineering College, Ludhiana
- Dr. Kuldeep Kumar Sharma, delivered two expert lectures on “Fusion Reactors” in the “In-Service Training Programme (Physics) for School Cadre Lecturers” on 13th October 2014, at SCERT Solan (H. P.) during 13-10-2014 to 18-10-2014.



- Dr. Madhu Kumari delivered invited talk on “Social Computing in Online Social Media”, International Workshop on Data and Text Analytics, 8-13 December 2014, South Asian University, New Delhi.
- Prof. NS Murthy, NIT Warangal delivered expert lecture in International Seminar on “Design Techniques for Low Power Integrated Systems (DTL-2014)”, 29-30 March, 2014.
- Dr. Narottam Chand delivered an expert talk on “Power Aware Wireless Technologies” in Short Term Course on VLSI and Communication System Design with EDA Tools (VCEDA), NIT Hamirpur, June 16-20, 2014; talk on “Ethics in Engineering and Technology” at Rajiv Gandhi Govt. Engineering College Nagrota Bagwan, Kangra (HP), Aug 30, 2014; and an expert talk on “Accreditation in Technical Education” in Faculty Development Programme, HP Technical University, Hamirpur, 03-08 November 2014.
- Dr. O.P. Rahi delivered Expert Talk in MIT Bani Hamirpur on “Generator Protection” in October, 2014; for Engineers of HPSEB on the topic of “Power Transformer Condition Monitoring using C & Tan Delta Test” in October, 2014 and in Govt. Polytechnic Hamirpur on “Opportunities and Challenges in Hydro Power Development” in November, 2014.
- Prof. Rajeevan Chandel delivered an expert lecture on “Integrated System Design Issues” in International Seminar on Design Techniques for Low Power Integrated Systems (DTL-2014), on 30th March, 2014; delivered an expert lecture on “Power Quality Issues in e-Circuits” in TEQIP-II Short Term Course PQDPS-14, EED, NIT Hamirpur in June 2014.
- Dr. T. Illamprati, OPAL-RT, Technology India, Pvt. Ltd. Bangalore, delivered an Expert lecture on “Hyper Sim” on 9th October, 2014.
- Sh. T.N. Singh, Silicon Technologies New Delhi, delivered expert lecture on “Application of Microwave Devices & Circuits” to students of E&CE on 13th April, 2014
- Prof. V.K. Arora delivered expert lecture on “Graphene, CNTs and Nanotechnology” in DTL-14, on 30-31 March 2104.
- Prof. Y R Sood delivered expert talk “Mechanical fault detection in power transformer”, “Modern Trends in Transformer insulation breather system & other fittings”, “Detection of Mechanical Faults in Power Transformers” in Training Workshop on, “Emerging Trends in Power Transformer Engineering” organized on 06-08 September, 2014, TIFAC CORE, NIT Hamirpur; “Power Transformer heat dissipation techniques”, “Cooling in Power Transformer”, in the short term courses - “Condition Monitoring of Electrical Apparatus”, organized on 25-27, November, 2014, and 29-31 December, 2014, TIFAC CORE, NIT Hamirpur (H.P)





AWARDS AND RECOGNITIONS

- Prof Rajneesh Shrivastava, Director, National Institute of Technology, Hamirpur, is appointed as a member of State Level Expert Appraisal committee (SLEAC) for Himachal Pradesh constituted by the ministry of Environment, Forest climate Change. The Ministry of Environment and Forests has, since 2006, made it mandatory for all projects having a built up area of more than 20,000 sq feet to seek environmental clearance prior to initiating construction. The committee shall review the detailed environmental mitigation plans submitted by the investors and then forwarded to the central committee for final approval.
- Ar. Amanjeet Kaur appointed reviewer for Neo-International Conference on Habitable Environments- NICHE 2014 held in LPU, Jalandhar (Pb); 1st International Conference on Concrete Repair, maintenance and conservation of Modern buildings and landscapes "Concrete Actions 2014 Conservation of Modern Architecture" held at Chandigarh India 3-4th April 2014; Reviewer for "Journal of Architecture" biannual referred journal published by Chandigarh College of Architecture, Chandigarh
- Dr. Kamlesh Dutta was invited to chair session and to deliver invited talk in the National Conference on Emerging Principles & Practices in Computers and Communication Media EPPCCM-2014, (30th – 31st May, 2014) S.S.C.E.T Badhoni; Invited as Keynote speaker, in "Recent Trends in Computing, Information and Application", (NCRTCIA-2014), 24th May, 2014, Sri Sai University, Palampur (HP)
- Dr. Madhu Kumari appointed Academic Coordinator, Computer Science and Engineering, IIIT Una, H.P from 7th June 2014.
- Dr. Narottam Chand is Member, Technical Programme Committee, International Symposium on Computer Vision and the Internet (VisionNet), Sep 24-27, 2014; Member, Technical Programme Committee, International Symposium on Biomedical Imaging and Sensing (BIS), Sep 24-27, 2014 and reviewer to IEEE Communication Letters.
- Mr. Nitesh Kumar, Research Scholar, Department of Chemistry received Young Scientist Award at 50th Annual Convention of Chemistry, at Punjab University Chandigarh.
- Dr. O.P. Rahi appointed as a Reviewer for International Journal "Renewable & Sustainable Energy Reviews" published by Elsevier/Science Direct and a reviewer for IEEE PES General Meeting -2015 going to be held in Denver, Colorado (USA) in July 2015; received Ph. D. Degree in 7th Convocation of NIT Hamirpur on 17th December 2014.
- Dr. Rohit Dhiman and Prof. Rajeevan Chandel have published a Book by Springer Publication entitled, Compact Models and Performance Investigations for Subthreshold Interconnects. Series: Energy Systems in Electrical Engineering. Series Editor Prof. H.M. Rashid, Springer, 2015.
- Prof. Y R Sood Awarded best paper "Renewable Energy Development in Indian Deregulated Power Market: Future Aspects", presented in 2nd International Conference on Emerging Trends in Engineering and Technology (ICETET' 2014) organized by International Institute of Engineers, May 30-31, 2014, London (U.K.); appointed as reviewer for International Journal of Electrical Power and Energy Systems, Elsevier publishers; as Editor of "Journal of Power Electronics and Power System", STM Journals, Consortium e-Learning Network Private Limited, (CELNET), ISBN No.



2249-863X; reviewer for IEEE Transaction on Power Delivery; evaluated Ph.D. thesis of many reputed Indian Universities like NIT Bhopal, Thapar University Patiala, Anna University Chennai, SLIET Longowal, as well as foreign Universities; chaired a technical session in 2nd International Conference on Emerging Trends in Engineering and Technology (ICETET' 2014) organized by International Institute of Engineers, May 30-31, 2014, London (U.K.).

- Dr. Varun received ISTE-SGSITS National Award for Best Research Work done by Young Teachers of Engineering Colleges for the year 2014.
- Ritesh Rampal, Rahul Singh, and Piyush Pradhan MTech VLSI students were declared runner-up under CADENCE DESIGN CONTEST 2014 for their project "A Low Power Reconfigurable ADC for Wireless Applications". They designed and implemented a Sigma Delta ADC for wireless applications (band limited to 10MHz, including GSM, WCDMA and WLAN IEEE 802.11) that could re-configure its resolution to provide flexibility to the applications and thereby reduce power consumption.





GLUG/LINUX USERS' GROUP

GNU/Linux Users' Group at NIT Hamirpur is a group of students and faculty members who actively promote open source technologies among students. Glug server is maintained for providing access to various open source Softwares. First official mirrors of fedora, Ubuntu CD, GNU and Mozilla.org are hosted by Glug server. The group also maintains Mail Server for GLUG members. A programming practice using Linux environment is the main objective of assisting in the Lab Classes. Second year and Final year students are assisting Mr. Pradeep Singh, AP CSED in First year Computer Fundamentals and Programming Lab by making them aware of the GCC compiler and C standards.

The GLUG community keeps on uploading various tutorials and Linux related articles to help students in learning new tools such as advanced text editors like Emacs, Vim and Linux troubleshooting. GluCKi, is a mediawiki instance that can be browsed at : <http://glug.nith.ac.in/wiki>. Entire Website Source code has been migrated from the traditional system to Version Control System, Git offers an opportunity to interested students to contribute to GLUG website with ease and earnest. The Git repository can be found on github at : <http://github.com/glugnith/glug.nith.ac.in>. the group also organises various events to promote the culture of open source.





Siddha Ganju attended fifth Annual Grace Hopper Celebration of Women in Computing India (GHCI) Conference 2014, organised by the Anita Borg Institute (ABI) in association with the Association of Computing Machinery India (ACM India). Her team won the Hackathon with an entry, 'Kaam Hai?', a web based app that connects low skilled job seekers with potential employers. This app can also be used by Non Governmental Organizations to extend their services in finding a job for other people.

Pranav Kant attended GUADEC (GNOME Users And Developers European Conference), 2014 held in Strasbourg, France during 26 July-1 August, 2014 and presented his project on DLNA servers. GUADEC is the main conference for GNOME users, developers, foundation leaders, individuals, governments and businesses worldwide.

Google Summer of Code (GSoC) is a global program annually conducted by Google. The students are invited to participate in the open source projects during internship. GSoC offers stipend (more than Rs. 3 lakhs to each intern) and student are made to contribute in the project under the guidance of mentors assigned to them. The students also gain exposure to real-world software development scenarios in an international arena. In GSOC 2014, five students from NIT Hamirpur were selected. Giriraj Sharma interned with Redhat Jboss Middleware Organisation. Abhinav Gangwar, Binni Arora, Shashwat Pandey and Pranav Kant interned on their respective projects. Motivated by the success of these students, this year also a number of our students are competing for GSoC internship.





SPORTS ACTIVITIES

During the session first time Inter Technology-University Sports Association (ITUSA) Faculty Badminton Tournament (Northern Region) held at PEC, Technology University, Chandigarh from 26-27 April, 2014. NIT Hamirpur Faculty (Male) team got 1st place in this tournament. Institute (Boys & Girls) Badminton team also participated in (ITUSA) Tournament held at NIT, Jalandhar from 14-15 September, 2014.

NIT Girls Team for 2nd place and Boys team got 3rd position in the tournament. NIT Hamirpur (Boys) Volleyball, Basketball, Football and Cricket and (Girls) Volleyball teams participated in Annual sports meet RANN-NEETI-14 at IIT, Mandi from 18-21 September, 2014. In this tournament our (Girls) Volleyball team got 1st place and (Boys) football team got 2nd place. Our Institute football team participated in (ITUSA) tournament held at Thapar University, Patiala from 10-11 October, 2014 and Table Tennis, Boys & Girls matches held at PEC, Chandigarh from 10-11 October, 2014. In this tournament Table Tennis, Girls team got 3rd place.





NEW INFRASTRUCTURE

- New Building of E&CED was inaugurated on 11th April, 2014 by Sh. Ashok Thakur (IAS) Secretary MHRD, New Delhi and presided over by Prof. Rajnish Shrivastava, Director, NIT Hamirpur HP.
- Student's Park was dedicated to the students on 17th November, 2014 by Prof. Rajnish Shrivastava, Director, NIT Hamirpur HP.
- Mega Hostel Block- III was made functional for the students.
- Construction of Mega Hostel Block-II was completed by M/S RITES Ltd.
- New Projects: The construction work of New Infrastructure of Computer Centre and E-class room has been awarded to CPWD





TRAINING AND PLACEMENT CELL

A Two days Entrepreneurship Development Programme was organized for B.Tech students of NIT Hamirpur during April 11-12, 2014 under TEQIP-II which was conducted by National Institute for Entrepreneurship and Small Business Development (NIESBD) Ministry of Micro, Small and Medium Enterprises, Government of India A-23, Sector-62 Noida (U.P). About 75 students participated in this programme.



During the year 2014-15 students are placed in 36 companies till date. The Highest package is Rs.16.85 Lacs. Some of the companies that visited our Campus in this academic year are M/s Info Edge India, L&T Construction, Verizon, Oracle, One 97, Noida Power Company, Drishti Soft Solutions, Alstom India, Hero Moto Corp., Ford Car India, Tata Housing Development, Infosys, Maruti Suzuki, Snapdeal, SAP Labs, Orient Electric Nucleus Software, Tata Power etc.





CULTURAL ACTIVITIES

Under the aegis of SPIC MACAY the Qawwali programme on February 05, 2014 was organised in Auditorium of this Institution. Ustad Hasnain Nizami and his group comprising of seven people had performed. The splendor and charisma of Indian Sufi music enchanted one and all, with the applause loud enough to long last in everybody's hearts





SOCIAL INITIATIVES

Blood Donation Camp



Prayas- Literacy Mission



Run For Unity



Swachhta Abhiyaan



Obituary

Dr. Suresh Dhiman, Assistant Professor, Mechanical Engineering department, NIT Hamirpur expired while in service on 22.06.2014 due to sudden heart attack. Sh. Pardeep Kumar, Attendant (Library) expired while in service on 21st November, 2014. Our thoughts and prayers are with the bereaved families.

Superannuation

Dr. M. N. Bandopadhyay, Professor EED, Sh. N.C. Sharma, Sr. Superintendent; Sh. B.R. Dogra Superintendent, Sh. Baldev Sharma Library Assistant (SG-II), Sh. Rangil Singh Sr. Technician, Sh. Ramesh Chand, Jr. Assistant; Sh. Gian Chand, Attendant; Sh. Shambhu Ram, Attendant and Sh. Joginder Paul, Attendant retired from their active service to NIT Hamirpur. The NIT family acknowledge the services rendered by them to the institute and warmly wish them good health and a happy life after superannuation.

Proposed New Computer Centre & E-Class Room Block



Editorial Board

Chairman: Prof. Rajnish Shrivastava
Director, NIT Hamirpur

Editor: Dr. Kamlesh Dutta

Editorial Team

Prof. Rakesh Kumar Dutta
Prof. Rajeevan Chandel
Er. Pardeep Singh
Dr. Hemant Kumar Vinayak
Er. Amit Kaul
Shivam Gupta
Siddha Ganju
Mr Neeraj Kumar



Proposed Student Activity Centre

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