



National Institute of Technical Teachers Training and Research, Chandigarh

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# Newsletter

## IBM Software Lab for Emerging Technologies established at the institute in collaboration with IBM India Pvt Ltd.

Department of Computer Science & Engineering has established IBM Software Lab for Emerging Technologies in collaboration with IBM. IBM has also provided training to faculty and students on Application Development for Cloud Deployment using IBM Bluemix, Application Security Management using IBM Rational AppScan and Big Data Analytics using IBM InfoSphere BigInsights. Big Data analytics is the cutting edge technology that helps organizations harness their data and use it to identify new opportunities, which leads to smarter business moves, more efficient operations, higher profits and happier customers. Its recent applications are healthcare, retail banking, education and real estate etc. Nowadays increasing number of technologies are available for processing big data in the cloud. As Big Data Analytics and cloud computing are still in their infancy stage, a lot of research is going on in this area. The lab is highly beneficial for M.E. and Ph. D students who are pursuing their research in the area of Big Data Analytics and cloud computing. In 2016-17 academic year, the department has planned several short term programmes for the benefit of technical teachers and industry professionals in the country.



Dr. MP Poonia inaugurating the IBM Lab



IBM official interacting with the participants



Participants of the Training Program in newly setup laboratory

## Job Fair for the Differently Aabled Persons

NITTTR Chandigarh in collaboration with Sarthak Educational Trust, New Delhi, CII Chandigarh and Vocational Rehabilitation Centre, Ludhiana organised a Stakeholders Sensitisation Workshop on 2nd June and a Job Fair for the differently abled persons on 03 June, 2016 at the institute. 260 persons with disabilities and 23 employers participated in this mega event. The sensitization workshop proved useful in attracting a good number of employers to the job fair. The job fair resulted in shortlisting of 106 persons with disabilities by the employers who participated in the event. Persons with disabilities were offered jobs in hospitality, retail, BPO, IT and manufacturing sectors. Most of the job offers were in the range of Rs. 7000-10000 per month.



His Excellency, Prof. Kaptan Singh Solanki, Hon'ble Governor, Haryana, Punjab and Administrator UT, Chandigarh addressing the PWDs potential, employers and the organisers of the fair



Prof. MP Poonia, Director, NITTTR, Chandigarh and Prof. JS Saini, Dean-ESC, NITTTR, Chandigarh interacting with stakeholders during the sensitisation workshop



**A synoptic view of Placement Interviews during the job fair for the differently abled.**

## International Seminar on Future Scope of Robotics and Space Science

Department of Electronics and Communication Engineering organized an International Seminar on Future Scope of Robotics and Space Science on 27th May 2016, in collaboration with NITTTR Start up ENOVATE SKILL. Dr. J.S. Saini, Dean, Extension and Consultancy inaugurated the seminar. In his inaugural address, he highlighted the need for the future jobs for engineering students. He also emphasized that automation is global demand in manufacturing sector. The same time he said that NITTTR took initiative of supporting student to start their venture. He highlighted that robotics is future demand and need to address engineering students to be multi-tasking as industry is demanding. Mr. Navdeep, founder of Tech Mantra Labs in his address highlighted the various opportunities of robotics in Space and told participants about NASA Rover. Miss. Jasleen, Research Scientist at NASA addressed the participants via Google hangout about opportunities for engineering students in NASA and shared her journey from middle class family in Kurukshetra (Haryana) to NASA, USA. Mr. Lokesh Sharan, researcher from University of Texas at Dallas (USA) discussed future scope of robotics at global prospective as well as current research status. Mr. Sourab Kaushal, Engineer and space explorer talked on space



exploration. Mr. Aryan Mishra, sixteen-year-old young astronomer shared his journey from school to space. Mr. Ajay Godara founder of ENOVATE SKILL (NITTTR Start-up) said that the real purpose of robotics is to resolve society problems. The seminar was attended by more than 150 participants from tricity and 1000 students via you tube live broadcast. Desh Bhagat Radio and Tech Mantra Labs were event partner for this seminar. The international seminar was coordinated by Dr. Maitreyee Dutta, Head of Electronics and Telecommunication Department, NITTTR, Chandigarh.

## ENOVATE SKILL (NITTTR Start UP)

"A creative idea in mind and positive thought can set new goals in life"- with the same thought, Enovate Skill (NITTTR START UP) has recently completed its first summer training session at NITTTR Chandigarh from 6th June, 2016 to 12th July, 2016 with students of different engineering colleges from all over Chandigarh. This session was started with an "International Seminar on Robotics and Space Science" where scientists from different organizations like NASA participated through Google Hangouts. After this one day seminar, the session continued in Enovation Lab with number of experts from NITTTR as well as other reputed organizations.

There were forty students in this summer training session and they worked in two different batches. All the innovative minds developed various real time projects for different applications under guidance of expert trainers and technicians. The Enovate Skill lab worked like a hub of professionals and learners for one month and during this session students were able to learn practical aspects related to field of Electronics and Communication.

In order to improve practical knowledge of students and awareness related to scopes in the world of Electronics and Communication some experts from industries were also called during this training session, they shared valuable knowledge on automation, Matlab Programming and other latest tools available for Research and Development. With feedbacks gathered from students of this training session and after making evaluation of their experiences, we hope to carry such innovative sessions ahead in future.



Special Course in English Language was organised by the institute from 01 February to 22 April, 2016 in which 29 Teachers from Mongolia participated. The programme was sponsored by Ministry of External Affairs, Government of India, New Delhi under its flagship programme ITEC i.e. Indian Technical and Economic Cooperation. The programme was coordinated by Prof. (Dr.) BS Pabla.

Temasek Foundation Singapore sponsored 03 days In-country workshop on Conceive, Design, Implement and Operate (CDIO) was organised at the institute from 19-21 April, 2016 by Singapore Polytechnic, Singapore. The aim of the workshop was to provide the participants with a deeper and broader understanding of active learning methods, innovating with appropriate digital technology, evaluation and self-assessment for sustainability so as to meet the changing needs of industry and the new generation of students. 21 faculty members participated in the workshop. Prof. BS Pabla coordinated the workshop.



03 days workshop on Quantitative Data Processing, Analysis and Reporting through SPSS was organised at the institute in collaboration with Professional Education and Welfare Trust (PEWT), Mohali from 25-27 May, 2016. The objectives of the programme were :

- ▶ To familiarize the participants with quantitative tools.
- ▶ To practice the steps involved in using these tools.
- ▶ To understand and acquire the skills in use of SPSS in data analysis.
- ▶ To acquire skills in data management, tabulation plan, data analysis with interpretation and presentation of output in a scientific meaningful manner and report writing.
- ▶ Art of writing research paper. 26 Ph.D scholars and faculty members of the institute participated in the programme.

The programme was coordinated by Prof. (Dr.) BS Pabla.

Department of Computer Science & Engineering conducted a one-week hands-on training programme on "Build Your Own Smart Phone" in association with Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi with sponsorship from Microsoft and MHRD-DIC in which 34 participants from Engineering Colleges and Polytechnics participated. Participants have been trained on Raspberry Pi Technology to develop a mobile phone along with various interfaces, such as, GPS, Camera, Temperature and Humidity Sensors and Bluetooth. They have been exposed to use Android, Python and Shell Scripts. At the end, participants have developed a project also. This programme has been well appreciated by all participants. Prof. C. Rama Krishna, Head, CSE Department, NITTR Chandigarh and Dr. S R N Reddy, Head, CSE Department, IGDTUW, Delhi coordinated the programme.



Participants of the Programme

## ANNOUNCEMENT

### National Workshop on "Curriculum Design of Human Value Education and Soft Skills (HVE&SS) in Technical Education" from 5th to 6th September, 2016 at NITTR, Chandigarh.

Eminent experts from national & state organisations will deliberate on Context, Design, Resources, Implementation and Impact of inclusive HVE&SS in Education and Skill Training System (from school to highest level) in view of NOS (National Occupational Standards) as per NSQF descriptors, CP (Curriculum Pack) and outcomes specified by NBA for Diploma, Degree & Post Graduate Programme.

The outcome of this workshop will help stakeholders in rationalisation & integration the curriculum of HVE&SS from NSQF level 1 to 10 and design specific competency based modules for teachers/trainers, students and Industry Personnel.

Those interested to contribute may please contact:

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## Award/ Prize Received

Amit Goyal, Assistant Professor, Rural Development won Gold Prize under young scientist award under poster session at 6th Annual Conference on Disaster Risk Reduction: Challenges and Opportunities for Sustainable Growth Organized by International Society for Integrated Disaster Risk Management and TIFAC at Scope Convention Centre, Scope Complex, Lodhi Road, New Delhi, from 28-30 October, 2015.



## VISIT ABROAD



The Joint Secretary (TEL), MHRD, Govt. of India, Shri S.P. Goyal; Director Dr. M.P. Poonia; and Prof. S.K. Dhameja, Head, EDIC department visited the Dudley College, UK from 6 – 10 June, 2016 in order to explore the future collaborations between Dudley College with NITTR Chandigarh; the setting up of four model Polytechnics in four regions of the country; training and exchange of faculty; and vetting of polytechnic curriculums for National Skills Qualification Framework (NSQF) compliance. The delegation also visited Oxford University as a part of the tour.

*Farewell*

Mrs. Ravinder Pal Kaur  
superannuated on 30.06.2016.

Success is not final, failure is not fatal:  
it is the courage to continue that counts.

