



National Institute of Technical Teachers Training and Research, Chandigarh

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Newsletter

INTERNATIONAL CONFERENCE ON COMMUNICATION, COMPUTING & NETWORKING (ICCCN-2017), 23-24th MARCH 2017

As a part of ongoing Golden Jubilee Celebrations of the institute, a two-day International Conference on Communication, Computing and Networking (ICCCN-2017) was organized by Department of Computer Science & Engineering at NITTTR, Chandigarh on 23-24th March, 2017. The themes of the conference were Intelligent Computing, Parallel & Distributed Computing, Wireless Networks, Computer Network and Security, Signal and Image Processing and Data Science. Dr. P. K. Tulsi, Director Incharge, NITTTR Chandigarh, in her welcome address talked about the role that computers play in our daily life and highlighted the need of communication, computing and networking.

The conference was inaugurated by the Chief Guest Sh. D. K. Jain, Director, C-DAC Mohali who in his inaugural address highlighted the initiatives taken by C-DAC in the field of Health Informatics, Multilingual Technologies, Professional Electronics, Software Technologies, Cyber Forensics and Security and Multimedia Technologies.

The Guest of Honour, Dr. Abey Kuruvilla, Executive Director, International Affairs, University of Wisconsin, Parkside, USA emphasized on the role of computers as smart devices such as Mobile Phones, laptops, PCs, etc. He highlighted that progressive India needs to look into concerns such as Information Security, Cyber Security and Health Informatics. He also extended his idea of doing joint research with the University of Wisconsin, USA in the area of Cyber Security.

186 research papers were received, out of which 126 papers were registered for the conference. To assist researchers from all the corners, video-conferencing was also supported and 15 researchers were connected via video-conferencing mode.

The outcomes of the conference were:

1. Research papers presented in the conference on emerging technologies like Green Computing, Big data analytics, Cloud Computing etc. opened new ideas for research amongst the delegates.
2. Research Scholars could get the opportunity to discuss their research problems with the invited speakers and as well as with the other delegates.
3. The delegates could get the scope of getting knowledge about Honeynet Technologies as demonstrated by scientists of CDAC Mohali.



Conference Proceedings released by dignitaries on the dais

To encourage and motivate the young researchers, at the end of each technical session, a best paper was chosen out of the presented papers and was awarded with a certificate by the session chair. Best paper award was also announced out of all the presented papers in the conference. First prize was awarded to Ms. Poorwa Hirve, Ms. Mayura Nene and Dr. Jagannath Aghav from College of Engineering, Pune and the second prize was awarded to Mr. Anurag Jagetiya and Dr. C. Rama Krishna from NITTTR, Chandigarh.

NBA Accreditation to PG Engineering Programmes

An Expert Team conducted on-site evaluation of the programmes being offered by NITTTR, Chandigarh during 4-6th November, 2016. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following PG programmes for the Academic Years 2016-2017 and 2017-2018 i.e. up to 30.06.2018:

1. Computer Science & Engineering
2. Electronics & Communication Engineering
3. Electrical Engineering (Instrumentation and Control)

The students, who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

IN-COUNTRY PROGRAMME ON “INSTRUCTIONAL DESIGN AND DELIVERY SYSTEM” 14-18th MARCH, 2017



Design and Delivery System” was organised by Department of Education and Educational Management in collaboration with Colombo Plan Staff College for Technician Education (CPSC), Manila from 14-18th March, 2017. Thirty-seven teachers, with less than five years of work experience, from various technical institutions participated in the programme.

The Chief Guest for the inaugural session was Dr. Ram Hari Lamichhane, Director-General, CPSC, Manila and the Guest of Honour was Dr. SK Bhattacharya, former Director, NITTTR, Chandigarh and Director, SUS College of Engineering and Technology, Tangori (Punjab). The objective of the programme was to enable the participating teachers to plan, deliver and

evaluate instruction. Dr. G. Kulanthaivel, Faculty Consultant, CPSC, Manila was the Coordinator and Prof. (Dr.) PK Tulsi and Prof. (Dr.) Sunil Dutt were the local co-coordinators.

During the programme, one-day National Conference on “Technical and Vocational Education and Training: Challenges and Opportunities” was also organized. The key note speakers included Dr. Ram Hari Lamichhane, Director-General, Dr. G. Kulanthaivel from CPSC Manila, Dr. PK Tulsi and Dr. SK Dhameja from NITTTR Chandigarh. Seventy teachers from technical institutions including faculty from NITTTR Chandigarh participated in the Conference



Prof. (Dr.) MM Malhotra and Prof. (Dr.) SK Bhattacharya, former Directors chairing the presentation session in the conference

Forthcoming Events (April-June, 2017)*

DEPARTMENT SPECIFIC

1.	Evaluation and Rehabilitation of Pavements, 24-28 Apr
2.	Teaching Practices in Engineering Drawing, 24-28 Apr
3.	Electronics Devices and Project Fabrication, 24-28 Apr
4.	Recent Trends in Libraries, 24-28 Apr
5.	Laboratory Practices in Environmental Engineering, 01-05 May
6.	Mobile Computing, 01-05 May
7.	3G and 4G, 01-05 May
8.	Linux Administration using CentOS, 15-19 May
9.	Electronic Design Automation, 15-19 May
10.	Construction and Maintenance of Block Top Pavements, 22-26 May
11.	Introduction to System Designing, 22-26 May
12.	Power Electronics Devices and Project Fabrication, 22-26 May
13.	Power Supply, UPS, Inverter and SMPS, 19-23 June

INTER DISCIPLINARY PROGRAMMES

1.	Career Guidance and Counseling (Including Career Skills), 24-28 Apr
2.	Enhancing Performance of Staff, 24-28 Apr
3.	Lasers and Their Applications, 24-28 Apr
4.	Instrumentation for Environmental Engineering, 24-28 Apr
5.	Cyber Threats & Security Measures, 24-28 Apr
6.	Embedded C Programming of Microcontrollers, 01-05 May at ABVGC, Shimla
7.	Latest Instructional Media- Operation and Maintenance, 01-05 May
8.	Effective Use of Instructional Material using Adobe Photoshop, Adobe after Effect and Adobe Premier, 15-19 May
9.	Classroom Communication, 15-19 May
10.	Numerical Methods in Engineering, 15-19 May
11.	Potential Research and Development areas in Science and Technology, 15-19 May
12.	Web Based Designing, 15-19 May
13.	Communication Skills for Effective Curriculum Implementation, 17-19 May at GPW, Chandigarh
14.	2G and 3G, 22-26 May
15.	Motivation, Team Building and Creativity, 22-26 May
16.	Nanotechnology: Developments and Applications, 22-26 May

17.	MATLAB/SIMULINK with Hardware Interface for Engineering Applications, 22-26 May at TTC Jodhpur
18.	Lab Management System and Internal Auditing as per ISO/IEC 17025:2005, 23-26 May
19.	Accreditation of Programmes, 05-09 June

TRAINING PROGRAMMES THROUGH ICT

1.	Innovation and Creativity Development in Teachers and Students, 17-21 Apr
2.	Interventions for Effective Industry-Institute Partnership, 24-28 Apr
3.	Artificial Neural Network & Fuzzy Logic, 24-28 Apr
4.	Research Methodology through ICT, 01-12 May
5.	Embedded System Practices, 22-26 May
6.	Wireless Networks, 22-26 May
7.	Earthquake Risk Management for Rural and Urban Housing, 05-09 June
8.	Instructional Planning (Module-I: IPD), 12-16 June

Note: The above programmes will be conducted at NITTTR, Chandigarh unless otherwise stated.

*For details please visit our institute website: www.nitttrchd.ac.in

AWARD RECEIVED



Er. Amit Goyal was awarded Young Concrete Engineer Award 2016-17 given to in recognition of his innovative project "Earthquake Resistant Interlinked Block Masonry System with Visco-elastic Energy Dissipator Links" by Indian Concrete Institute, Chandigarh Center (Chandigarh, Punjab, Haryana, J&K and HP) and Ultratech Cement on 4th March, 2017.

Training Programmes conducted during January-March, 2017

Particulars	Number of Programmes	Number of Teachers Trained
Contact Mode	58	549
ICT Mode	17	2807

MEMORIAL LECTURE ON 'HUMAN VALUES' ON FEBRUARY 15, 2017



As a part of ongoing Golden Jubilee Celebrations of the institute, a lecture on 'Human Values' was delivered by Dr. Acharya Shambhushivananda, Global Chancellor of AM Gurukula & Global Neohumanist Education Network, on February 15, 2017, which was attended by the faculty, staff, ME and Ph.D. students of the institute. He emphasized on practicing Humanism that is just not about what impact it has on other people, but also realizing what effects its going to have on environment, animals, plants and many other lives.

HEALTH CHECK UP CAMP

Free Health Checkup Camp was organised by IVY Hospital, Mohali on February 15, 2017 at NITTTR, Chandigarh for Ph.D, ME Students, institute employees and their families.



Dr. MP Poonia, Director, NITTTR, Chandigarh left the institute and has joined as Vice Chairman, All India Council for Technical Education, New Delhi



Dr. PK Tulsi, Professor and Head, Education and Educational Management Department, has taken over as Director-in-charge w.e.f. 18.1.2017.

MEMORIAL LECTURE ON 'SUSTAINABLE AUTOMATION' ON MARCH 17, 2017



The department of Mechanical Engineering organized a Memorial Lecture on 'Sustainable Automation' on March 17, 2017 as a part of ongoing Golden Jubilee celebrations of the institute. Dr. G. S. Dangayach, Professor & Head, Mechanical Engineering Department, MNIT, Jaipur delivered the said lecture, which was attended by M.E. students, Ph.D. scholars, staff and faculty members of various departments of the institute. Dr. G. S. Dangayach highlighted the need of conserving environment through efficient use and minimal wastage of energy in industrial automation, thereby making the automation sustainable in the long run. He elaborated on various techniques through which sustainable automation can be achieved in Indian industry.

PAPERS PRESENTED IN INTERNATIONAL CONFERENCES

1. **Dr. Maitreyee Dutta**, Professor, Computer Science and Engineering Department presented a paper on GA Based Blind Deconvolution Techniques of Image Restoration Using Cepstrum Domain of Motion Blur in International Conference on "Science, Engineering Law and Management, 2017" from 6-7th February, 2017 at Kuala Lumpur, Malaysia.
2. **Er. Garima Saini**, Assistant Professor, Electronics and Communication Engineering Department presented a paper on SRR Loaded Multiband Planar Inverted F Antenna and awarded Best Paper Award in International Conference on "Science, Engineering Law and Management, 2017" from 6-7th February, 2017 at Kuala Lumpur, Malaysia.
3. **Dr. Rajesh Mehra**, Associate Professor, Electronics and Communication Engineering Department presented a paper on Area and Speed Efficient Layout Design of Shift Registers using Nanometer Technology in International Conference on "Advances in Sensors, Actuators, Metering and Sensing (ALLSENSORS 2017)" from 19-23rd March 2017 at Nice, France.