



National Institute of Technical Teachers Training and Research, Chandigarh

# Newsletter

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## National Convention on Organic Farming

Three day National Convention on “Organic Farming” was organized by NITTTR Chandigarh from 28th February to 2nd March 2015 in association with NGOs namely Organic Farming Association of India, Kheti Virasat Mission and ASHA. The multiple activities under this convention were bio-diversity seeds festival, organic food preparation, urban kitchen gardening workshop and farmers conference.

The convention was inaugurated by Shri Manohar Lal Khattar, Hon'ble Chief Minister, Haryana. Dr. M P Poonia, Director of the institute shared his experience of modern farming being practiced in his village in Rajasthan and he stressed on strategies for creating pollution free agriculture, groundwater and air, so that quality of life of villages in general and cities in particular may be improved. Shri Manohar Lal Khattar, Chief Minister, Haryana discussed the ill effects of modern farming and announced to convert about 10% land under organic farming cultivation. Ms. Maneka Gandhi, Hon'ble Minister, Women and Child Development, Govt. of India also visited the bio-diversity festival on 28th February 2015.



**Shri Manohar Lal Khattar,**  
Hon'ble Chief Minister,  
Haryana delivering the inaugural address



**Dr. M P Poonia,** Director of the Institute speaking  
during inaugural session



**Ms. Maneka Gandhi,** Hon'ble Minister,  
Women and Child Development,  
GOI interacting with farmers.

There was a live telecast of this three day event through 11 remote centres in the country. About 1000 farmers, students and teachers got connected through above remote centres.



Live telecast from ETV Studio NITTTR Chandigarh



**Shri Prakash Singh Badal,**  
Hon'ble Chief Minister,  
Punjab delivering the  
valedictory address

During three days, there were presentations by organic farmers, discussion of case studies and research work in the field of organic farming with special reference to bio-fertilizers and role of micro-organisms.

Shri Prakash Singh Badal, Chief Minister, State of Punjab delivered the valedictory address and promised to begin organic farming on selective basis in each of the districts of Punjab.

The video recording of the convention is available on You Tube (nitttrchd.ac.in Organic Farming for Sustainable Livelihood/Prospects of Organic Farming for Sustainable Agriculture).

## National Conference on Mathematical Analysis and Computation

A National Conference on Mathematical Analysis and Computation was organised by the institute in collaboration with MNIT, Jaipur from 20-21 February, 2015 at MNIT, Jaipur. The primary goal of the conference was to promote research and development activities in Mathematics and Computational Sciences.

## National Conference on Sustainable Infrastructure Development – 2015

National Conference on Sustainable Infrastructure Development - 2015 (NCSID-2015) was organized by the Civil Engineering Department, NITTTR, Chandigarh and Civil Engineering Department, Chitkara University, Himachal Pradesh in association with Institution of Engineers, Punjab and Chandigarh Centre from 26-27 Feb, 2015. The conference was inaugurated by Mr. D.N. Basu, Sr. Technical Director, Simplex Infrastructure Ltd, New Delhi. He emphasized that infrastructure development needs to take place in a sustainable manner so that the ability of the future generations to meet their needs is not compromised. Dr. M.P. Poonia, Director, NITTTR, Chandigarh in his opening address shared his thoughts on the ancient construction practices and emphasized the lessons to be learnt from the past. 90 delegates from academic institutions and industry from different parts of the country participated in the conference. Infrastructure Planning and management, sustainable building sector, sustainable water resources, sustainable materials and construction practices and sustainable transport infrastructure were the technical sessions in which more than 40 delegates presented their research work and key note addresses were given by eminent faculty, scientists and industry professionals. The major recommendations were made for the different sectors include streamlining of land acquisition, facilitation of funding, need for enforcement of design codes, research in the field of seismic engineering, recycle and reuse of water, construction materials, need for integrated public transport. The event saw a huge response and support from industry.



Inauguration Session in Progress

## National Conference on Curriculum Innovations and Challenges in Technical Education

A National Conference on Curriculum Innovations and Challenges in Technical Education was organized by the Curriculum Development Centre from 24-25 March, 2015. The conference was attended by 100 delegates from various engineering colleges, polytechnics, universities and management institutions from all over the country. The objective of the conference was to bring together researchers, teachers and practitioners from academic and industry on a common platform to focus on developments and innovations in the area of curriculum design, implementation and evaluation so as to meet the challenges of technical education. 25 papers were presented during the conference. Prof. KK Aggarwal, Chairman Board of Governors, MNIT, Jaipur was the Chief Guest during the inaugural session. He highlighted the need for developing 'learning to learn' skills among engineering students so as to enable them to sustain in the society on long-term basis. Shri Upkar Singh, PCS, Director, Technical Education, Chandigarh was the Chief Guest during the valedictory session. He emphasized on the need for outcome based curriculum and designing the curriculum as per the needs of the industry.



Release of Conference Proceedings

## National Conference on Computing Technologies

The department of Computer Science organized National Conference on Computing Technology on 30-31st March, 2015 which was aimed to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of Computing Technology. It also provided the premier interdisciplinary and multidisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in the field of Computing Technology. 64 participants from all over India attended the conference. Papers on Cloud computing, grid computing, mobile computing, digital image processing were presented. Dr. Shakti Kumar, vice chancellor, Baddi University was the chief guest of the conference and Dr. R.P Tiwari from Jaipur was the guest of honour of the conference. Dr. Shakti Kumar gave the keynote address on Artificial Intelligence and Computing which was very inspiring and fruitful to the participants

## Forthcoming Events (April-June 2015)

### DEPARTMENT SPECIFIC PROGRAMMES

- CE1 Environment Awareness, 06-17 Apr at Delhi  
CE2 Sustainable Road Construction Practices, 20-24 Apr  
CE3 Water Harvesting, Water Recycling and Water Resource Management, 04-08 May  
CE4 Geotechnical Investigations, 11-15 May CS1Linux Administration, 06-10 Apr  
CS2 Cyber Threats and Computer Security Measures, 13-24 Apr IPU Delhi  
CS3 E-Commerce Security, 18-29 May at GNDP Delhi  
CS4 VB.NET, 25-29 May  
EC1 GSM & 3G, 11-15 May Outstation  
EC2 Solid State Devices Circuits, 18-22 May  
ES1 Electronics Devices and Project Work, 18-22 May  
LB1 Classification by DDC, 25-29 May  
ME1 Teaching Practices in Engineering Drawing, 13-17 Apr  
ME2 CAD/CAM, 18-22 May  
ME3 Metrology Laboratory Practices, 25-29 May  
ME4 Applications of Industrial Engineering Techniques for Improving Efficiency of Textile Industry, 01-05 Jun at NIT Jalandhar

### INTER-DISCIPLINARY PROGRAMMES

- ID1 MATLAB/SIMULINK with Arduino Interface, 06-10 Apr at DBU, Mandi Gobindgarh  
ID2 Planning and Management of Rural Development Activities, 06-10 Apr  
ID3 Mobile Computing, 13-17 Apr  
ID4 Optical Fiber Communication Technology, 20-24 Apr  
ID5 Web Based Designing, 20-24 Apr  
ID6 Intellectual Property Rights and Patenting, 20-24 Apr  
ID7 Evaluation and Setting Question Papers, 20-24 Apr  
ID8 Wireless Networks, 27 Apr- 01 May  
ID9 SciLab Programming, 27 Apr-08 May at BPIBS, Delhi  
ID10 Builds My\_ Smart Phone (In collaboration with IGDTUW, Delhi), 04-08 May  
ID11 Developing Latest Instructional Media Using Page Maker, Adobe Photoshop, Adobe After Effect and Adobe Primer, 04-08 May  
ID12 Empowerment of Women for Inclusive Development, 04-08 May at GP Hissar  
ID13 Planning and Development of Himalayan States with respect to Natural Hazards like Cloud Bursting, Landslides and Earthquakes, 04-08 May at UK/J&K  
ID14 Effective Curriculum Implementation, 11-15 May at BCE, Gurdaspur  
ID15 Graphic Designing and Animation for Web, 11-15 May  
ID16 Institutional Accreditation (NBA Guidelines) and Quality Management, 11-15 May at MIMIT Malout  
ID17 Preparing Students for Job Interviews, 11-15 May at GPW Srinagar  
ID18 Micro-enterprise Promotion for Self-employment, 11-15 May  
ID19 Nanotechnology: Developments and Applications, 18-22 May  
ID20 System Designing of Embedded & Digital World, 18-22 May at GP Dehradun  
ID21 Induction Training Programme for Newly Recruited Teachers, 18-22 May  
ID22 Hands-on Experience on LabVIEW, 25-29 May  
ID23 Induction Training Programme for Newly Recruited Teachers, 25-29 May at Kumaon

- ID24 High Performance Leadership for Vocational Education, 25-29 May at Punjab  
ID25 Communication Skills for Effective Curriculum Implementation, 09-11 Jun at GP Kandaghat  
ID26 High Performance Leadership for Vocational Education, 15-19 Jun at Uttarakhand  
ID27 Design Development – Textile Design, 22 Jun-03 Jul at GWPC, Jaipur

### TRAINING PROGRAMMES THROUGH ICT

- ICT01 Instructional Planning and Delivery (Module - I : Instructional Planning), 13-17 Apr  
ICT02 Communication Skills, 20-24 Apr  
ICT03 Innovation and Creativity Development in Teachers and Students, 20-24 Apr  
ICT04 Computer Networking with CCNA, 04-08 May  
ICT05 Instructional Planning and Delivery (Module - II : Instructional Delivery), 11-15 May  
ICT06 Operationalisation of NSQF, Community College and Other Skill Development Schemes of GOI, 25-29 May  
ICT07 Remote Sensing, GIS and GPS Applications, 25-29 May  
ICT08 UNESCAP-EBAC Programme on Socially Responsible Business in Collaboration with Pacific Islands Trade and Invest, New Zealand 04-05 Jun  
ICT09 Technical Teachers; Role, Self Esteem Motivation and Professionalism Development, 08-12 Jun  
ICT10 Induction Training Programme, 15-19 Jun

### TRAINING PROGRAMMES FOR STUDENTS THROUGH ICT-CUM-CONTACT MODE

- ST01 Entrepreneurship Awareness Camp, 10-Apr at CCET (Degree Wing) CHD  
ST02 Communication Skills for Enhancing Employability of Students, Apr  
ST03 Preparing Students for Job Interviews, 14-May  
ST04 Communication Skills for Enhancing Employability of Students, May  
ST05 Extension lecture on Awareness of 'Gender Harassment Issues' for ME Modular Students and Employees of the Institute, 18-Jun  
ST06 Communication Skills for Enhancing Employability of Students, Jun

### CONFERENCES/SEMINARS

- C1 International Conference on Electronic Design Innovations and Technologies<sup>®</sup> (EDIT-2015), 27-28 Apr  
C2 UNESCAP-EBAC Seminar on Socially Responsible Business in Collaboration with PHDCCI, CII, Panjab University, Thapar University, 05-Jun

### WORKSHOPS

- W1 NDT Analysis and Repair of Concrete Structures, 07-08 May

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

For details please visit our institute website : [www.nitttrchd.ac.in](http://www.nitttrchd.ac.in)

## Clean Technology Exposition

An exposition on Clean Technologies was organized by the Civil Engineering Department, in association with UltraTech Cement from 24-26 Mar, 2015 under the aegis of Department of Scientific and Industrial Research, Govt. of India. The conference was inaugurated by Dr. Jyoti S A Bhatt, Scientist G, DSIR. She highlighted the various initiatives being taken by the government to promote clean production technologies. She urged the students to become stakeholders in this green mission since they are the future. Dr. M.P Poonia, Director, NITTTR, Chandigarh on this occasion highlighted the environmental pollution that has degraded the earth immensely. Dr. Ashok Sharma, CEO, Cleantech Foundation, New Delhi in his keynote address highlighted the innovative clean technologies available these days. About 20 industries showcased their clean technologies. The work done by NITTTR, Chandigarh to make its campus sustainable, the research being done in green materials at Civil Engineering Department, NITTTR, Chandigarh and IGBC student chapter of the institute were appreciated by the visitors. More than 100 students from engineering colleges and polytechnics of the region witnessed the showcased technologies. Eminent faculty, scientists and industry professionals also shared their experiences during the expo.



Panel Discussion on 'Issues related to Sexual Harassment' through ICT on 11.03.2015 was organized. Dr. L.R. Aggarwal; Ex. Vice-Chancellor Maharishi University, Lucknow; Prof. Vidhu Mohan (Superannuated form Psychology Department, Panjab University) and Prof. Rajesh Gill, Sociology Department, Panjab University were the panellists. Nine remote centres joined the programme (four from Haryana; two from H.P; two from Rajasthan and one from J&K)

## Paper Presented

1. **Er. PS Rao**, Assistant Professor, Mechanical Engineering Department has presented a research paper on "Precision Finishing of External Cylindrical Surfaces of EN8 Steel by Electro Chemical Honing (ECH) Process using OFAT Technique" in an International Conference on Materials Processing and Characterization ICMPC-15 at GRIET, Hyderabad, during 14-15 March, 2015.
2. **Er. Ritula Thakur**, Assistant Professor, presented a paper on "A Low Cost Non-Destructive Grain Moisture Embedded System for Food Safety and Quality" in 17th International Conference on Food Process Engineering held at London, United Kingdom, February, 16-17, 2015.

## Training programmes conducted during January-March, 2015

Particulars	Number of Programmes	Number of Participants
Polytechnics	42	687
Engineering Colleges	27	326
Induction Training Programmes through ICT	18	1849



Extension Lecture on 'Handling New Gender Roles' by Prof. Rajesh Gill, Sociology Department, Panjab University was organized for M. E. Students on 23.02.2015

1. **Er. Rakesh Kumar** has joined as Assistant Professor in Computer Science and Engineering Department on 05.01.2015.
2. **Dr. Kailash Chandra Lachhwani** has joined as Assistant Professor in Applied Science Department on 08.01.2015.

Welcome

## FAREWELL

1. **Shri Ram Dass**, Section Officer superannuated on 28.02.2015
2. **Shri Udai Raj**, Multi Skilled Attendant superannuated on 28.02.2015.
3. **Shri NK Chawla**, Personal Secretary superannuated on 31.03.2015.
4. **Shri Surinder Singh**, Assistant superannuated on 31.03.2015.
5. **Shri Karam Chand**, Multi Skilled Attendant superannuated on 31.03.2015.