



National Institute of Technical Teachers Training and Research, Chandigarh

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LAUNCH OF NCTEL WEB PORTAL

Panning over the time-line, in the year 1985, the institute realized the need of mass media to reach to the people for dissemination of knowledge/information and developed a studio and became the national support system to run the Tech Vision Channel of Gyanvani. The institute also proved its potential in the MHRD-ISRO joint mission of Edusat by running the satellite based programmes in a national beam (AICTE Beam). The penetration of IP based technology to the Teaching-Learning system was felt with time. The growing need for quality teachers to meet faculty requirement in exponentially growing number of technical institutions poses a challenge to the system. The institute penetrates the unreached region(s) by integrating Social Network, Video Conferencing and Face-to-Face mode of communication. The social blogs help to provide the digital resources to the intended clients. NCTEL web portal is another step in this direction to integrate ICT in Teaching-Learning (T-L) System.

NITTTR, Chandigarh Technology Enabled Learning (NCTEL) web portal, an idea conceived by Prof. (Dr.) M. P. Poonia, the Director of the institute is a step forward to integrate technology to the Teaching-Learning (T-L) system marching with the Ministry of Human Resource Development (MHRD), Govt. of India 'Mission on Teachers & Teaching'. NCTEL web portal has been launched on 7th September 2013 by Shri K.K. Sharma, IAS, Adviser to Chandigarh UT Administrator in the presence of Dr. K. K. Talwar, Chairman, Board of Governors, NITTTR Chandigarh and Prof. M. P. Poonia, Director of the institute. The e-resources of the institute are now made available to one and all, not only at the national level but also in the global



launching of NCTEL Web Portal on 7th September, 2013 by Sh. K.K. Sharma, IAS

domain to create a dent in the ICT implementation on teaching-learning. This technology enabled learning system aims to enhance the reach and the quality of technical education in the country while preaching to the faculty members to adopt technology in T-L to cope up with the challenges posed in the global scenario. At its infant state, NCTEL web portal houses more than 600 video lectures, encompassing the horizon of core engineering departments of the institute and the induction training programmes. But the contributions of other departments and centers of this institute in terms of the video films are also being uploaded regularly.

For details and video lectures, please visit: <http://www.nitttrchd.ac.in/nctel/index.php> OR through Google by typing NCTEL

We welcome video lectures and e-content materials of like minded organizations having the intention of sharing their materials free of cost for the benefit of the masses.

Dr. C. Rama Krishna and Dr. S. S. Pattnaik,
Coordinators, NCTEL Web Portal

Major Achievements Jan - Mar, 2014

TRAINING PROGRAMME ON ENERGY EFFICIENT AND GREEN BUILDINGS 24-26 FEBRUARY, 2014

A three day training programme on “Energy Efficient and Green Buildings” was organized by the Civil Engineering Department from 24-26 February, 2014 under the Aegis of Ministry of New and Renewable Energy, Government of India, New Delhi. The program was inaugurated by Sh. Santosh Kumar, IFS, Director, Environment, Chandigarh Administration. Over 100 academicians, teachers, administrators, officers, industry professionals, architects and students attended the program. Green buildings, their ratings, green materials for sustainable construction, energy conservation, energy efficient buildings and their design, etc. were discussed during the three days by eminent architects, town planners, industry professionals and faculty. The programme was sponsored by REHAU Polymers Pvt Ltd, Thermatek Cool Roof Insulation Systems, Su-kam Power Systems and BASF .



session in progress



dignitaries on the dias during
inaugural function

NATIONAL CONFERENCE ON SUSTAINABLE INFRASTRUCTURE DEVELOPMENT (NCSID) 13-14 MARCH, 2014

National Conference on Sustainable Infrastructure Development (NCSID) was organized by the Civil Engineering Department, NITTTR, Chandigarh and Civil Engineering Department, Chitkara University, Himachal Pradesh from 13-14 March, 2014 at NITTTR, Chandigarh. The conference was supported by Department of Science and Technology, UT Administration, Chandigarh. The conference was inaugurated by Mr. D.N. Basu, Sr. Technical Director, Simplex Infrastructure Ltd, New Delhi. Dr. Ashok Chitkara, Chancellor, Chitkara University unveiled the proceedings of the conference. 130 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; sustainable transport infrastructure and sustainable infrastructure development in Chandigarh were the technical sessions in which delegates presented their research work and key note addresses were given by eminent faculty, scientists and industry professionals. Some of the major recommendations of the conference 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 conference was sponsored by Innovative Systel; Bentley; Mankind; Ruchira Papers Limited, HP; KDDL Limited; ACC Cement; M/s Mahle Filter Systems India Limited, Parwanoo; M/s Federal-Mogul Bearings India Limited, Parwanoo; Gabriel India Limited, Parwanoo and Jaimurty Minerals & Chemicals (P) Ltd.

Supervisory Development Programme for Technical Staff of MNIT, Jaipur under TEQIP-II

A Supervisory Development Programme for Technical Staff of MNIT, Jaipur was organised by media centre of the institute from 13-18 January, 2014. Nineteen technical staff members from different Laboratories and workshops sponsored by MNIT, Jaipur participated in the programme. In addition to development of soft skills, participants were given hands-on training in specialized equipments in laboratories and workshops, calibration and testing of equipments, safety and accident prevention for enhancing their efficiency, effectiveness and quality of work. The programme was inaugurated by Shri Munish Jindal, Registrar, MNIT, Jaipur.



participants of the programme

Forthcoming Events (April-June, 2014)

POLYTECHNICS

1. Entrepreneurship Awareness Camp, 09-11 Apr at GPW Jalandhar
2. Automation in Industries, 21-25 Apr
3. Preparing Students for Job Interviews, 21-25 Apr at CDL GP Chopta Nathuseria (Sirsa)
4. E-content Generation, 21-25 Apr
5. Innovation and Creativity Development in Teachers and Students, 21-25 Apr
6. Laboratory Practices in Refrigeration and Air Conditioning, 21-25 Apr
7. Appropriate Technologies and their Dissemination, 21-25 Apr
8. Beekeeping and Organic Farming, 28 Apr – 02 May
9. Matlab and its Applications, 05-09 May at DN Poly , Meerut.
10. Dewey Decimal Classification Scheme, 05-09 May
11. Induction Training Programme for Newly Recruited Teachers, 05-16 May
12. Communication Skills for Effective Curriculum Implementation, 07-09 May at GPW Srinagar
13. Quality Control of Concrete, 12-16 May
14. Metrology Laboratory Practices, 12-16 May
15. Nanotechnology: Development and Challenges, 12-16 May
16. Latest Instructional Media Operation and Challenges, 12-16 May
17. Water Resource Management, 19-23 May
18. VB .NET, 19-23 May
19. Electrical , Electronics and Computer Based Projects, 19-23 May
20. Alternate Energy Sources-Challenges and Opportunities, 19-23 May at BHSBIE&T Lehragaga
21. Lasers: Advances and Applications, 26-30 May
22. Application of Auto CAD in Engineering, 26-30 May
23. Open Source Technologies, 26-30 May at GPW, Srinagar
24. Developing Healthy Work Culture, 28-30 May at SJPP, Damla
25. Water Harvesting, Water Recycling and Water Management, 09-13 Jun

ENGINEERING COLLEGES

1. Advances in OFC Technology, 21-25 Apr at MIMIT, Malout
2. Network Security and Firewalls, 21 Apr - 02 May at EC Malout
3. Innovation and Creativity Development in Teachers and Students, 21-25 Apr
4. FPGA Based Digital System Design, 28 April - 02 May
5. Mobile Computing, 05-09 May
6. Dewey Decimal Classification Scheme, 05-09 May
7. Induction Training Programme for Newly Recruited Teachers, 05-16 May
8. Nanotechnology: Developments and Challenges, 12-16 May
9. Android Application Development, 12-16 May
10. Computer Aided Power System Analysis, 12-16 May
11. VB.NET, 19- 23 May
12. GSM and CDMA, 19-23 May
13. Electrical, Electronics and Computer Based Project, 19-23 May
14. Advance Pedagogy, 19-23 May
15. Alternate Energy Sources-Challenges and Opportunities, 19-23 May at BHSBIE&T Lehragaga (PU)
16. Lasers: Advances and Applications, 26-30 May

17. Application of Auto CAD in Civil Engineering, 26-30 May
18. Wireless LANs, 26-30 May
19. Energy Efficient Management, 02-06 Jun at NC College of Engg Israna, Panipat.

Training Programmes through ICT for Polytechnics and Engineering Colleges

1. Intellectual Property Rights and Patenting, 21-25 Apr
2. Instructional Planning and Delivery, 21-25 Apr
3. Virtual Instrumentation, 28 Apr - 02 May
4. Instructional Planning and Delivery, 28 April - 02 May
5. Total Quality Management, ISO 9000 and basics of NBA Accreditation in Technical Institutions, 05-09 May
6. Instructional Planning and Delivery, 05-09 May
7. Computer Networking with CCNA, 19-23 May
8. Instructional Planning and Delivery, 19-23 May
9. Instructional Planning and Delivery, 09-13 Jun
10. Instructional Planning and Delivery, 23-27 Jun
11. Strategic Management of NSQF, Community Colleges and Skill Development Scheme, 23-27 Jun

International Conference/Workshop (Indian Antenna Week), 26 -30 May 2014



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

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

Further Education Leadership Development Programmes

AICTE in collaboration with UKIERI (UK-India Education and Research Initiative) has planned to organize "Further Education Leadership Development Programmes" for the senior faculty members for technical institutions of the country. In this connection Mr. Lowell Williams, Principal, Dudley College, UK visited NITTTR Chandigarh in February, 2014 to see the different facilities for the conduct of these training programmes. The training programmes will be organized by NITTTR Chandigarh and NITTTR Chennai in which a total of 250 technical teachers from throughout the country will be trained. The training will be imparted in different phases spread over the year 2014-15.

Training programmes conducted during Jan-Mar, 2014

Particulars	Number of Programmes	Number of Participants
Polytechnics	53	1077
Engineering Colleges	14	1352
Induction Training Programmes through ICT	15	1064

DST Sponsored Programmes



Faculty Development Programme on Entrepreneurship Development

A two week Faculty Development Programme on Entrepreneurship Development sponsored by Department of Science and Technology, Govt. of India was organized by the Entrepreneurship Development and Industrial Coordination (EDIC) department of NITTTR Chandigarh from 17 – 28 February, 2014. The programme was conducted at Meerabai Institute of Technology, Maharani Bagh, New Delhi. 48 polytechnic teachers from New Delhi participated in this FDP.

Entrepreneurship Awareness Camp

A three day Entrepreneurship Awareness Camp sponsored by Department of Science and Technology, Govt. of India was organized by the Entrepreneurship Development and Industrial Coordination (EDIC) department at Chandigarh College of Engineering and Technology (Diploma Wing) from 25 – 27 March, 2014. 26 faculty members and 80 final year students of CCET (Diploma Wing) participated in this three day Entrepreneurship Awareness Camp.



Dr. MP Poonia addressing the participants

Induction Training for IT Officers of Punjab Co-operative Agricultural Development Bank on "SQL Server and .NET Technologies"

The Computer Science Department has conducted a programme entitled "Induction Training for IT Officer of Punjab Co-operative Agricultural Development Bank on SQL Server and .NET Technologies" from 13 Jan - 01 Feb, 2014. 22 participants attended the programme. During the training programme, various topics related to .NET such as C# OOPs concepts, Windows application development, ASP.NET and Web based application development, SQL server, Master pages, Data bound controls, Ajax tools, Advance features like LINQ, MVC, Assemblies and some Networking concepts like LAN configuration, VPN Connectivity, Website hosting were covered. Apart from the technical topics, general topics like Communication Skills, Team Work, Time Management etc, were also covered during the training programme.

Dr. Maitreyee Dutta won ROTA WOMEN OF DISTINCTION AWARD by Rotary Club Chandigarh Midtown and Rotaract District 3080 for her active and constructive participation and generous contribution to upliftment of society and exemplifying humanity in letter and spirit, in action and vision.

Recruitment test for the post of Clerk-cum-data entry operators in The Punjab State Cooperative Bank

The institute has successfully conducted the biggest ever Recruitment Test for the post of Clerk-cum-data entry operators in 'The Punjab State Cooperative Bank', Chandigarh on 19.01.2014. The test was conducted for a record number of 78906 candidates in 125 centres situated at Mohali and Chandigarh and the result was prepared in 4 days. The institute has generated a sum of Rs. 2,17,21,402/- (including Rs. 23,89,432/- as service tax) as IRG.

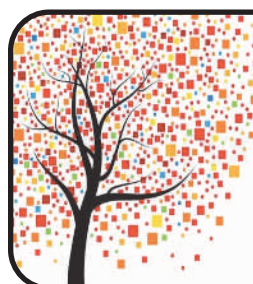


Work in progress

Farewell

Sh. Shyam Lal Gupta, Personal Assistant superannuated on 28.02.2014

Smt. Vimal Nagpal, Assistant (Voluntarily retirement) on 28.02.2014



We invite articles and news items regarding Innovative projects on technical education from teachers, administrators and others concerned with technical education in the states and centre.