



National Institute of Technical Teachers Training and Research, Chandigarh

Newsletter



Welcome

Prof. (Dr.) SS Pattnaik
who joined as Director
w.e.f. 19.08.2017

I am ecstatic to write this message for all our stakeholders and friends who have a special place in the core of our hearts and activities. Since its inception in 1967, the institute has lived for its stakeholders and working for their holistic development. Over the years, the institute has created a name for itself by many exemplary contributions in the field of Technical Education. NITTTR, Chandigarh has played a pivotal role in human resource development - mainly for the technical education system of the country.

As we pan in time-line, we come across the decision of visionary leaders of this country to establish training institutions for training teachers of technical institutions. Resultant to the visionary thinking and landmark decision, four Technical Teachers' Training Institutes were established in a span of two years' time between 1965 and 1967. Technical Teachers' Training Institute [TTTI], Chandigarh came into existence in the year 1967 in collaboration with Royal Netherlands Government. Subsequently, fully supported by the Government of India, the institute was registered under the Societies Registration Act, 1860.

Renamed as National Institute of Technical Teachers Training and Research in the year 2003, the institute has justified its elevation by introducing innovative modular ME Programmes, PhD through QIP, imparting training to faculty of Engineering Colleges besides polytechnics. The innovative and unique way of imparting training through ICT mode using Google Hangout and use of free Open Source Tools, has given a new space for learning in the digital domain. Launching of NCTEL (NITTTR Chandigarh Technology Enabled Learning) in the YouTube is yet another innovative way of disseminating knowledge to make the education affordable and reachable to all. The NCTEL has now reached a viewership of 1,03,48,601. The outcome-oriented contributions of the institute for societal growth are well-depicted by the institute's role in the implementation of centrally funded schemes. The institute has maintained a strong correlation with the national needs through timely and planned execution of quality programmes.

The departments of this institute have contributed significantly to the five core activities, viz., Education & Training, Curriculum design and Development, Instructional Material Development, Consultancy & Extension Services and Research & Development. The work culture, clean and lush green campus and IoT driven ambience of the institute with value added training programme developed in a highly professional manner, is a true recipe for empowerment. Knowledge integrated with skill imparted using innovative teaching methodology adds a new dimension to the knowledge-skill domain of the participants. The inclusive, participative and collaborative teaching-learning creates inquisitiveness and excitement among the participants. The institute believes in the partnership and networking

progression model and has signed Memorandum of Understanding (MOUs) with many organizations of repute to create multiplier effects. Realising the present challenge faced by the technical education systems, the institute has come up with a new tactical planning named as **FASTER** (Formulate, Action, Strategy for Training, Education and Research) to make policy, strategy and action aiming at **SMARTER** (Specific-Measurable, Achievable, Relevant, Time bound, Effective and Resourceful) outcome to empower human resource with multilevel, multilayer learning in diverse areas (Management, Attitude, Skill, Technology, Ethics and Responsibility) to become **MASTER**.

I am confident that with FASTER, SMARTER and MASTER approach, the institute will be a front runner in addressing industry issues like IIOT, Augmented reality, Artificial Intelligence, Virtual reality, Industry 4.0, Block chain, other emerging areas like work based learning and many more. The present initiatives of the institute to integrate academic with industries resulting in research laboratory inside campus of Tech Mahindra at IT Park, Chandigarh, ABB sponsored laboratory at the institute, upcoming HIL Centre of Excellence inside the campus are the vivid examples of industry's acceptance. The aggressive action plan to create MOOCs materials and learning through SWAYAM and NCDLS (NITTTR Chandigarh Digital Learning Space - an App of the institute) are determined moves of the institute to implement digitization of education. The recent declaration by the Ministry of Human Resource Development (MHRD), nominating NITTTR, Chandigarh, as the '**National Resource Centre for Electrical & Electronics Engineering**' is a boost to the ongoing digitization process of the institute. Let us behave on the mantra of "I can do it" with a philosophy of Think Good, Do Good and Be Good!



हिन्दी माह का आयोजन

संस्थान में 01 सितम्बर से 30 सितम्बर 2017 तक सितम्बर माह को हिन्दी माह के रूप में मनाया गया। संस्थान के निदेशक डा० एस एस पट्टनायक की अध्यक्षता में दिनांक 28.09.2017 को वार्षिक राजभाषा पुरस्कार वितरण समारोह आयोजित किया गया। समारोह का शुभारम्भ दीप प्रज्ज्वलन तथा संस्थान के कुल गीत के साथ किया गया। इस अवसर पर डा० श्रीमती संतोष शर्मा, सेवानिवृत्त प्रोफेसर, पत्राचार विभाग, पंजाब विश्वविद्यालय, चण्डीगढ़ को विशिष्ट अतिथि तथा श्री एम एल शर्मा, सेवानिवृत्त, अध्यक्ष नवोदय विद्यालय को मुख्य वक्ता के रूप में आमंत्रित किया गया।

इस माह के दौरान हिन्दी सुलेख, हिन्दी शब्द-ज्ञान, हिन्दी श्रुतलेख, हिन्दी टाइपिंग, हिन्दी नोटिंग, हिन्दी उच्चारण एवं हिन्दी कविता पाठ नामक 07 प्रतियोगिताओं का आयोजन किया गया जिसमें संस्थान के 124 प्रतिभागियों ने भाग लिया। फैकल्टी प्रभारी, इंजी० पी के सिंगला ने संस्थान में वर्ष के दौरान हिन्दी में किए गए कार्य की रिपोर्ट प्रस्तुत की। इस समारोह के दौरान प्रश्न मंच का भी आयोजन किया गया जिसमें संस्थान के अधिकारियों/कर्मचारियों ने बढ़-चढ़ कर भाग लिया। इसके पश्चात प्रतियोगिताओं के विजेताओं को पुरस्कृत किया गया। तत्पश्चात निदेशक महोदय ने हिन्दी के प्रचार-प्रसार हेतु सभी को प्रोत्साहित करते हुए सभी के साथ अपने विचारों को सांझा किया। डा० विनोद वासिष्ठ, वरिष्ठ अनुवादक ने कार्यक्रम का संचालन किया तथा राष्ट्रीय गान के साथ समारोह का समापन हुआ।

| ME PROGRAMMES | NUMBER OF STUDENTS ADMITTED DURING 2017 | |
|---|---|---------|
| | Modular | Regular |
| ME Mechanical Engineering (Manufacturing Technology) | 26 | 20 |
| ME Civil Engg. (Construction Technology & Management) | 32 | 28 |
| ME Computer Science & Engineering | 17 | 14 |
| ME Electrical Engineering (Instrumentation & Control) | 10 | 09 |
| ME Electronics & Communication Engineering | 11 | 16 |

During the Golden Jubilee Year of the institute, following 43 programmes and activities were conducted during the period from 08 September 2016 to 07 September 2017 :

Popularization of Sugamya Bharat Scheme; Orientation Workshop on Outcome Based Education & Accreditation for Program Evaluators; A number of Panel Discussions on (a) Strategies to Enhance Employability of Graduates from Technical Institutions, (b) Quality Teaching, (c) Student Evaluation, (d) Research in Engineering and Technical Education, (e) Teacher as a Counsellor, (f) Gender Harassment at the Workplace (through ICT) etc.; Poster Competition for School Children on Swachh Bharat Abhiyaan; International Conference on Educational Futures; Blood Donation Camp; International Conference on Inter-disciplinary Research for Sustainable Development; Prakriti Documentary Film Festival; NITTTR Cultural Fest; International Conference on Computing, Communication and Networking; Promoting Innovative Research through CRIKC; Memorial Lectures by persons of eminence; Golden Jubilee Disability Sector Stakeholders Round-table; Job Fair for Persons with Disabilities; National Conference on New Generation Concrete; Business Plan Competition for Management Institutes (NR); Tech-Fest and Project Competition for Engineering Colleges and Polytechnics of Northern Region; Golden Jubilee NITTTR – Oracle FDP on Java Fundamentals & Programming; Round Table on Consolidation and Networking with SSCs for Skilling India; Workshop on IPv4 to IPv6 Migration Methods; Establishment of Chapters of Professional Bodies at NITTTR, Chandigarh; Workshop on Institute Brand Building at International Level; Workshop on Harnessing benefits from MOUs; National Seminar on 'Promotion of Skills & Technologies for Sustainable Rural Development in India from 31 August – 01 September, 2017; Alumni Meet; Teachers Day; Education Conclave on Emerging Trends in Technical Education from 06 – 07 September, 2017; NITTTR-Golden Jubilee Outstanding Institution Award (Engineering College Category) and (Polytechnic Category); NITTTR-Golden Jubilee Best CDEP Scheme Implementing Polytechnic Award (NR); NITTTR-Golden Jubilee Best PWD Scheme Implementing Institution Award (NR); Distinguished Alumnus Award etc.

In addition, a National Seminar on 'Triggering Entrepreneurship amongst Aspiring Minds' was organised on 7th November, 2017. A National Conference on 'Reforms in Technical Education and Way Ahead' for the state of Haryana was held on 30th November, 2017.



Release of Golden Jubilee Souvenir



Institute's Past & Present Employees & Invited Guests in attendance during the Golden Jubilee Annual Day Function on 7th Sept., 2017



CCET (Diploma Wing), Chandigarh receiving the NITTTR - Golden Jubilee Outstanding Institution Award on 7th

Golden Jubilee National Seminar on "Promotion of Skills and Technologies for Sustainable Rural Development in India" from 31st August to 1st September, 2017



Memorandum of Understanding signed with Tech Mahendra Foundation, Mumbai on 18th December, 2017 to 17th December, 2017.

Training Programmes Abroad :

1. Dr. Shimi SL; Er. SK Gupta and Er. Amit Goyal attended 'CDIO workshop on Advancing, Innovating and Sustaining' from 12 – 14 September, 2017 at Singapore Polytechnic, Singapore.
2. Prof. C. Rama Krishna and Dr. Lini Mathew attended 'APACC International Accreditors Training 2017' from 13 – 14 October, 2017 at Kathmandu, Nepal.

Training Programmes Outside the Institute :

3. Dr. KC Lachhwani attended GIAN course on 'From Data to Knowledge: State of the Art Tools to analyse static and Dynamic Data' from 28th August' 17 to 08th September' 17 at NIT, Durgapur.
4. Er. Mala Kalra attended MeitY sponsored FDP on 'Embedded Sysms & IoT' by Electronics & ICT Academy, IIT Roorkee at CDAC, Mohali from 25 – 29 September, 2017.
5. Er. Himmi Gupta attended GIAN Course on "The Finite Element method in Engineering: Basic Procedure, Applications and Current Research Topics" from 18 – 22 December, 2017 at Guru Jambheshwar University, Hissar,
6. Dr. Rakesh Kumar attended two training programmes one 'Recent Developments and Challenges in Internet of Things Security' from 03 – 08 July, 2017 at NIT, Kurukshetra and, second on 'Advance Optimization Techniques' from 06 – 15 October, 2017 at MNIT, Jaipur.
7. Dr. Kanika Sharma attended two training programmes, one on 'Advance Optimization Techniques' from 06- - 15 October, 2017 at MNIT, Jaipur, and, second on 'Design Challenges in Low Power VLSI Design' from 04 – 16 December, 2017 at Guru Nanak Dev Engineering College, Ludhiana
8. Dr. Garima Saini attended a training programme on 'Next Generation MIMO and OFDM Wireless Technologies' from 08 – 17 December, 2017 at NIT, Kurukshetra.
9. Er. Amardev Singh attended a training programme on 'Basic Managerial Skills for Teachers' from 17 – 28 July, 2017 at NITTTR, Kolkata
10. Dr. Ritula Thakur attended 'Training Workshop INDIA MASTERS 2017' from 05 – 08 December, 2017 at Bangalore.
11. Dr. PS Rao attended a training programmes, one "Contemporary Advances in Materials and Manufacturing engineering" from 30 Oct to 10 November, 2017 at JNTU, Kakinada, AP.
12. Er. Amit Goyal attended two training programmes, one 'Disaster Risk Reduction (DRR) in Rural Development Policies and Programme' from 20 – 24 November, 2017 at National Institute of Disaster Management, New Delhi, and, second on 'Architecture Theory: Worldviews, Conceptual Histories and Role Models' from 20 – 24 December, 2017 at IIT, Roorkee

SUPERANNUATION

Shri Anil Kumar
Electronics Engineer,
31.07.2017



Mrs. Kamlesh Batra
Section Officer,
31.08.2017



Er. T N Thukral
Assistant Professor,
30.09.2017



Shri Hans Raj Sharma,
Junior Electronics Engineer,
30.09.2017



Dr. (Mrs.) SP Bedi Professor,
Education & Educational Management
(Voluntarily on 06.12.2017)



Sh. Chotte Lal
Senior Technical Assistant,
31.12.2017



TRAINING PROGRAMMES CONDUCTED DURING JULY – DECEMBER, 2017

| PARTICULARS | NUMBER OF TEACHERS TRAINED | NUMBER OF PROGRAMMES |
|---------------------------------|----------------------------|----------------------|
| Contact Mode | 98 | 1350 |
| Training Programmes through ICT | 30 | 5966 |