



National Institute of Technical Teachers Training and Research, Chandigarh

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Newsletter

Message from Professor SS Pattnaik, Director



It gives me immense pleasure to present the institute newsletter to all our esteemed readers. The diverse activities with inclusivity are well depicted by the editorial team. The institute in its endeavour to support effective implementation of NEP-2020 has taken up many multi-area activities. The newsletter is a single window glance to such activities carried out during these three months. I congratulate the editorial team to bring out meaningful information for all readers. Wish you all Happy Reading.

Alumni Meet

The 10th Annual Alumni Meet was held on 6th December, 2021 through virtual mode. Prof. SS Pattnaik, Director and Patron, Alumni Association presided over the meet which was attended by around eighty alumni and faculty of the institute. In the inaugural address, Prof. Pattnaik highlighted the contributions of NITTTR, Chandigarh in emerging areas of technical education and research and development. Prof. BS Pabla expressed that our alumni, being a strong pillar can contribute towards R & D activities of the institute. While sharing his success story as an alumni, Dr. PP Sharma, Principal, Rajiv Gandhi Govt. Engineering College, Nagrota Bagwan (HP) praised the commitment of faculty and State-of-the-Art laboratory facilities for R & D work at the institute. Prof. Poonam Syal, Coordinator, interacted with the alumni on future roadmap for next five years in context with NEP 2020, NSQF and evolving ICT/digital education scenario. The alumni expressed their viewpoints for enhancing industry academia linkages, interdisciplinary research, active social media presence, centre for policy research, strengthening virtual laboratories etc.



Vigilance Awareness Week

The Vigilance Awareness Week was observed in the institute from 26th October 2021 to 1st November 2021 with the theme 'Independent India@75: Self Reliance with Integrity'. A number of activities on the theme of Vigilance Awareness Week were carried out during this period. Institute faculty, staff and M.E. & Ph.D. students participated whole heartedly in these activities including Pledge taking ceremony, Awareness Talk, Poster making competition, Essay writing contest, Debate, Quiz and Invited Talk on 'Corruption: Prevention & Penalties' by Senior Lawyer, Punjab & Haryana High Court. The above activities helped in increasing the awareness, amongst institute employees and students, about the perils of corruption and how integrity in public life will help India achieve self-reliance in various fields, thereby uplifting the living standard of the citizens of the country.



Institute BOG, Finance Committee and NITTTR Society Meetings

A 55th Meeting of the Board of Governors of the institute held on October 19, 2021 through physical as well as video conferencing medium. In addition, 51st meeting of Finance Committee & 33rd meeting of NITTTR Society were also held.

TechSpardha2k21

TechSpardha2K21, a National Level Competition for PG Engineering and PhD students, was organized from 10th – 12th November, 2021 by Techno Club, NITTTR, Chandigarh. The event was inaugurated by Prof. BS Pabla, Director-Incharge and Professor, Mechanical Engineering. The event was based on the theme "Technological Independence" and was conducted in online/offline hybrid mode. A total of 24 teams initially submitted their prototype



development ideas. Out of 11 teams registered for the event, finally 7 teams participated in the final round of the event. Four teams developed their projects at NITTTR, Chandigarh. Three teams developed their projects, related to additive manufacturing, at their respective institutes. On the last day of the event, all the teams presented their projects in person before jury members for evaluation. Two teams (GNDEC, Ludhiana and NITTTR, Chandigarh) were declared as 1st Winner of TechSpardha2k21. The prizes of winners were sponsored by Gigabyte Networks Pvt. Ltd., Bank of Baroda, Eastman Cast & Forge Limited, Ludhiana.

Fundamental Rights/Constitution Day Celebrations

The Institute celebrated Fundamental Rights/Constitution Day on 26th November, 2021 in the online mode. Shri Vijay Chandra, Registrar, National Judicial Academy, Bhopal and former District and Sessions Judge delivered the invited talk on the occasion.

Other Events

A "RUN for FUN", event in-line with FIT INDIA programme was conducted on 26th October, 2021. Faculty, staff and students participated in jogging. Sh. Mukul Kanitkar, Akhil Bhartiya Sangathan Mantri, Bharatiya Shikshan Mandal graced the event as Chief Guest.

An awareness Talk on 'Rise of Eye Health Problems amidst the era of increased Computer usage' and 'Discharge – when I need to worry' by Dr. Aditya Chopra, Ophthalmologist and Dr. Priyanka, Gynaecologist was conducted on 27th October, 2021. In addition, a Free Eye Check-up camp was also held.

The Rashtriya Ekta Diwas was observed on 31st October, 2021 by the institute faculty and staff members.

Atmanirbhar Bharat Task Force, Cultural Club, NITTTR, Chandigarh along with Swadeshi Jagran Manch organized a One-day event on 'Achieving Dream of Self Reliant India by inculcating Cultural Values' was held on 22nd November, 2021. The event was attended by faculty, staff & students. Er. Ajay Duggal introduced the audience about student welfare activities. Prof. Rupinder Singh shared the Atmanirbhar Task Force Initiatives. Dr. SS Pattnaik, Director of the institute stressed upon the inculcation of cultural values for better implementation of Atmanirbhar Bharat concept. In addition, activities, like songs, skit, etc. were presented by the students.

Recertification Audit for ISO 9001:2015 (QMS) of the institute was conducted by M/S Intertek India Pvt. Ltd., Panchkula on 16-17 December, 2021.

EDIC Department conducted a training programme on "Entrepreneurial Career Orientation for Civil Engineering and Allied Disciplines" during 28th – 29th October, 2021 which was attended by 175 participants.

The institute has also conducted workshops/programmes on diverse topics as per the following details:

- 02 Mentors Workshop for the state of Uttar Pradesh and Rajasthan with 133 Participants.
- Programme on Advanced Pedagogy under Uttarakhand Work Force Development Project from 11th – 18th October, 2021 with 56 participants.
- A one day workshop on 'Ansys Solution for Electric Vehicles' by the department of Electrical Engineering in collaboration with ARK Infosolutions Pvt. Ltd., Noida on 17th December, 2021 with an aim to discover the Art of Building Competitive Advantage for Academics using Ansys Simulation Technology.
- Workshop on "Vetting Pre-Qualifiers of MMEC, Mullana" under AICTE Margdarshan Scheme on 30th December, 2021 at NITTTR, Chandigarh.

HRD Endeavour

The institute trained a total of 3,716 participants during October-December, 2021 by organizing STCs/FDPs, workshops, and other activities. Institute organized 79 Faculty Development Programmes through Online Mode with 1,708 participants. 05 QIP sponsored programs, attended by 572 participants, were also organised as per detail given here:

Course Title	Period	Name of Coordinators
Visual Cognition	04 – 09 Oct.,2021	Dr.Balwinder S. Dhaliwal&Dr.Balwinder Raj
Intelligent Nano Photonics	04 – 09 Oct., 2021	Dr. Mala Kalra & Dr. Ashok Kumar
Smart Cities: Opportunities & Challenges	25 – 30 Oct., 2021	Er. Himmi Gupta; Dr. Sanjay Sharma & Dr. Amit Goyal
Industrial IoT and Robotics	22 – 27 Nov.,2021	Prof. SS Dhami & Prof BS Pabla
Augmented Reality and Virtual Reality Applications	06 – 11 Dec., 2021	Prof. Maitreyee Dutta; Prof. KG Srinivasa; Mrs. Shano Solanki and Mr. Amit Deogar

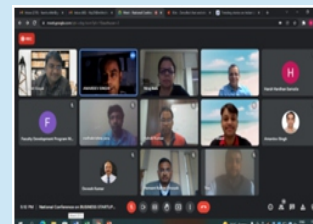
Faculty Corner

- During the period, Faculty of the institute published 13 papers in SCI indexed journals, 21 in Scopus indexed journals, 05 in National Journals and 09 in Conference proceedings. In addition, 04 Research Proposals have been submitted to various funding agencies by the institute faculty.
- Prof. Sandeep Singh Gill and Dr. Balwinder Raj got approval of AICTE funded project titled “Memristive Non-volatile SRAM Cell Design for AI Applications” under Research Promotion Scheme with funding of 17 Lakhs.
- NITTR Faculty members contributed in the development of 21 video films during the period.
- Dr. Balwinder Raj participated in 2nd Indo-South Korea Training School/Workshop on “Environmental Cyber Physical systems” organized by Joint Network Center IIT Indore and Department of Electronics Engineering, IIT (BHU) Varanasi from 25-29 October 2021.
- Dr Harsh Vardhan Samalia, Associate Professor organized a webinar on “Scanning of Environment and Business Opportunity Guidance” 16th December, 2021 to guide the students how to gather information about the current entrepreneurial opportunities for starting a new business.
- Five faculty members (Dr. Mala Kalra, Dr. Kanika Sharma, Dr. Garima Saini, Sr. Himmi Gupta, Er. Amardev Singh) attended training programmes during the period as part of the continuous professional development activities. Dr. Shimi SL attended industrial training at 220 kV Substation, Madanpur, Panchkula.
- 03 Ph.D. Scholars working under the supervision of NITTR faculty member appeared for their final viva-voce examination as per detail given below:

Thesis Title	Name of Ph.D. Scholar (Mr.)	Name of Supervisor(s)	Date of Examination
Development of Blind Deconvolution Technique for Restoration of Gray Scale Image	Ms. Mamta Ganpat Ramteke	Prof. Maitreyee Dutta	16.11.2021
Design of Distributed DDoS Detection System	Mr. Patil Nilesh Vishwasrao	Prof. C. Rama Krishna, Dr. Krishan Kumar, UIET, P.U., Chandigarh	28.12.2021
Performance Evaluation of Hybrid Power Flow Controller in Comparison to Unified Power Flow Controller	Ms. Bhandakkar Anjali Atul	Prof. Lini Mathew	31.12.2021

Boosting Competency

National Conference on 'Business Start-ups, Innovation and Entrepreneurship' was organized by EDIC Department from 25 - 26 November, 2021 for providing an interdisciplinary platform for researchers, practitioners and educators to present/discuss the most recent happenings in the field of business Start-ups, Innovation and entrepreneurship and their role in unlocking the true potential of Indian economy. Out of 42 papers received, 27 papers were selected for final presentation in three technical sessions. The keynote address during the inaugural session was delivered by Prof. Sunil Shukla, Director, Entrepreneurship Development Institute of India,




Ahmedabad while valedictory address was delivered by Shri HS Cheema, MD, Cheema Boilers Ltd. Punjab. Besides, Invited talks of eminent academicians from IITs, IIMs and established industrialists including Prof. Santosh Rangnekar of IIT Roorkee, Prof. Naliniprava Tripathy of IIM Shillong and Mr. Sumit Gupta of DXC India Ltd (Formerly Computer Sciences Corporation, India Ltd) were also arranged.

Synergy with Peers

- International Conference on 'Innovative Technologies for Clean and Sustainable Development' was conducted by the Centre for Clean Technologies and Sustainable Development during 14 – 15 October, 2021 which was attended by more than 100 participants.
- The institute organized an online STC on “Teaching Learning Process to enhance Program Outcomes” from 29th November, 2021 to 3rd December, 2021 under AICTE Margdarshan Scheme.
- 12th International Conference on 'Materials Processing and Characterization (ICMPC)' has been conducted in association with GRIET, Hyderabad from 06 – 09 October, 2021 at NITTTR Chandigarh. This conference was conducted for 4 days in which a total of 11 Keynote Addresses by eminent personalities both from India and abroad (including Prof. Fernando Fraternali, Department of Civil Engg, University of Salerno, Fisciano (SA), Italy; Dr. Sujan Debnath, Associate Professor, Department of Mechanical Engg, Curtin University, Malaysia; Dr. Muhammad P. Jahan Graduate Program Director, Department of Mechanical and Manufacturing Engineering, Miami University, USA, etc.). In addition, 20 parallel sessions were conducted with more than 250 participants. Chief Guest, Prof. RP Dahiya, former Professor, IIT, Delhi & former Vice chancellor of Deenbandhu Chhotu Ram University of Science and Technology, Murthal (Sonapat) spoke on the occasion.
- One-Day Seminar on 'Quality Ecosystem through NEP-2020' was organized jointly by Atmanirbhar Bharat Task Force of NITTTR, Chandigarh and Bharatiya Shikshan Mandal, Punjab on 26th October, 2021. Sh. Mukul Kanitkar Akhil Bhartiya Sangathan Mantri, Bharatiya Shikshan Mandal graced the event as chief guest and enlightened the participants with his vast knowledge and experience. Sh. Pankaj Nafdeji, Sanparks Sah-Pramukh, Bharatiya Shikshan Mandal was guest of honour of this event. About 200 participants including Faculty/PG/Research Scholars of NITTTR Chandigarh as well as other higher education institutions registered for the event. Three expert lectures were delivered by Dr. SS Pattnaik, Director, Dr. BS Pabla, Professor, NITTTR, Chandigarh and Dr. Rupinder Singh, Professor, NITTTR, Chandigarh respectively. Dr. SS Pattnaik highlighted the role of the event for the Sashaktikaran of youth of the country. Shri. Pankaj Nafde Sanparks Sah-Pramukh Bharatiya Shikshan Mandal, also spoke on the occasion.



Joining Golden Ager Club

Superannuation	
	
Sh. Satish Kumar 31.10.2021 Section Officer, Central Stores	

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