



National Institute of Technical Teachers Training and Research, Chandigarh

Volume 12, No. 3
(July – September, 2021)

Newsletter

Message from Professor SS Pattnaik, Director



Greetings from NITTR, Chandigarh! The employees of this institute deliver to the system with a spirit of "United We Work, Together We Achieve and Team We Win". The annual day celebration reflects the year-long efforts and contributions of the employees. This year, the institute had the privilege of listening to the word of wisdom from Hon'ble Minister of Education Shri Dharmendra Pradhanji who was the Chief Guest of the function. The efforts of the Editorial Team are always to present various activities of the institute highlighting the achievements and contributions. I am confident that the efforts of the team will draw the attention of our learned readers. Jai Hind!



Independence Day Celebrations

Independence Day was celebrated on 15th August 2021 with hoisting of the flag by NITTR Director Prof SS Pattnaik. The celebration was marked by the speeches from eminent faculties and staff members of the institute that inspired the audience to work for the development of Bharat. Faculty, staff and students of the institute attended the celebrations while following SoPs of COVID-19.

54th Institute Day Celebrations

Shri Dharmendra Pradhan Ji, Hon'ble Minister of Education, GOI, New Delhi was the Chief Guest of the 54th institute day on September 07, 2021. Dr. AK Nassa, Member Secretary, National Board of Accreditation, New Delhi and Dr. Ashwin Johar, Member, India-Russia Bilateral Council of NitiAyog, New Delhi were the guests of the honour of the celebration. Many competitions were organized a week before to the mark the onset of celebration of institute day. Professor SS Pattnaik, Director of the institute, presented the annual report of the institute and highlighted the achievements of the institute during the previous year. A cultural function was also arranged in the evening of September 7, 2021 and various items of art and culture, dances and skits were showcased.



Sadbhavna Diwas Celebrations

Sadbhavna Diwas was observed on 20th August 2021 by taking pledge to work for the emotional oneness and harmony of all the people of India regardless of caste, region, religion or language.



Teachers' Day Celebrations

Teachers' day was celebrated on September 05, 2021 in the presence of faculty and students of the institute. Chief Guest of the function Professor Ajay Sharma, Professor, NIT Jalandhar (Former Vice Chancellor IKG-Panjab Technical University Jalandhar) motivated the faculty to be the torch bearer for providing right direction to the students. Professor SS Pattnaik, Director of the institute, welcomed the Chief Guest & gathering and stressed upon the prominence of teachers in one's life. Er. PK Singla recited a poem on this occasion.

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International Literacy Day Celebrations

International literacy day was celebrated on September 08, 2021 and Mr Himanshu Mahapatra, Data Scientist, UK was the Chief guest of the function. He addressed the audience on Value, Use and Essence of Mahabharata in Information Technology and Industry. Dr Rajnish Ratna, Associate Professor, Royal University of Bhutan, delivered expert talk on Literacy of 21st Century.

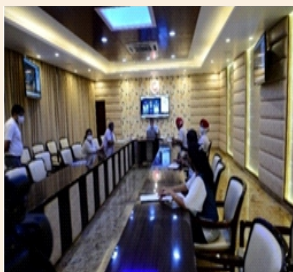


HRD Endeavour

NITTR Chandigarh trained a total of 2656 participants during July to September, 2021 by organizing STCs/FDPs, workshops, and other activities. Institute organized 71 Faculty Development Programmes through Online Mode with 1469 participants attending the various programs. 05 sponsored FDPs were also organised by faculty as per following details

Course Title	Sponsoring Agency	Period	Name of Coordinator	Number of Participants
Emerging Trends in OFC Technology	ATAL Academy, AICTE	August 02-06, 2021	Professor BC Choudhary	65
Branding of Higher Education Institutes for Enhanced Outcomes	ATAL Academy, AICTE	September 13-17, 2021	Professor SS Gill	98
4D Printing for Smart Manufacturing	QIP, AICTE	June 28 to July 03, 2021	Professor Rupinder Singh	98
Distributed Generation and Micro-grid	QIP, AICTE	August 09-14, 2021	Professor Lini Mathew	125
Energy Efficient & Innovative Building Construction Practices	QIP, AICTE	August 23-28, 2021	Professor Sanjay Sharma	93

NITTT – Orientation Training Programmes for Mentors were organized by NITTR Chandigarh for the states of Chandigarh, Himachal Pradesh, Punjab, Uttar Pradesh and Uttarakhand, which were attended by 334 participants. The programme for the Himachal Pradesh, Punjab, Chandigarh and Uttarakhand was conducted during August 02-06, 2021 under the coordination of Professor Pankaj Sharma and Professor Niraj Bala. The programme for the Uttar Pradesh was conducted during September 27 to October 01, 2021 under the coordination of Dr. Meenakshi Sood and Dr. Kanika Sharma.



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

- Workshop on Plan of Action for Next 5 Years under Unnat Bharat Abhiyan on August 04, 2021 was conducted under Unnat Bharat Abhiyan Project by Rural Development Department and coordinated by Dr. H K Vinayak.
- Workshop on Covid-19 Management and Rural Business Model on August 17, 2021 was conducted under Unnat Bharat Abhiyan Project by Rural Development Department and coordinated by Dr. H K Vinayak.
- Workshop for Vetting Pre-Qualifiers of UG/Diploma Engineering/MBA Programmes conducted by CSE Department under AICTE Margdarshan Scheme for Vetting Pre-Qualifiers of Mentee Institutes on August 23, 2021 at NITTR, Chandigarh. The workshop was coordinated by Prof C Ramakrishna.
- Refresher workshop for Training and Placement Officers during September 09-10, 2021 was coordinated by Dr. H K Vinayak and Prof. Niraj Bala

Faculty Corner

- Dr. Shimi Sudha Letha completed her Post-Doctoral research in the electric power engineering group at Luleå University of Technology, Skellefteå Campus, Sweden under the leadership of Prof. Math Bollen (IEEE Fellow), Professor and Chair, LTU, Sweden. She worked on the Swedish Energy agency funded research project during the period August 2019 to August 2021 (two years) and successfully completed the project and submitted the report after disseminating the results by organizing an IEEE workshop. During her postdoctoral period she worked on the projects (i) Electro-mobility, (ii) Super harmonics and (iii) accelerated ageing of LED. She published several SCI journal and conference papers along with her research team.
- Professor Niraj Bala organized a webinar on “Startup India and Startups in Educational and Research Institutions of India” September 22, 2021. The webinar was attended by the ME Scholars of NITTTR Chandigarh. They were apprised about the Startup India Scheme and various Startup incubator guidelines/policies with the help of some case studies. The lecture was delivered by Dr Hemant Kumar Vinayak.
- Dr. Balwinder Raj attended online Indo-South Korea Joint Training School/Workshop on “Environmental Cyber Physical Systems” organized by Indo-South Korea Joint Network Centre (JNC), Indian Institute of Technology, Indore during August 23-27, 2021.
- Professor SS Dhami took over the charge of Chief Vigilance Officer of the institute w.e.f. July 05, 2021.
- 04 Ph.D. Scholars working under the supervision of NITTTR faculty member papered for their final viva-voce examination as per detail given below:



Thesis Title	Name of Ph.D. Scholar	Name of Supervisor(s)	Date of Viva-Voce Examination
Online Incipient Fault Diagnosis of Induction Motors Using Motor Electrical Signature Analysis	(Mr.) Amandeep Sharma	Prof. Lini Mathew, Professor, and Prof. S. Chatterji, Retired Professor of the institute	July 01, 2021
Investigation on Behaviour of High Performance Fiber Reinforced Composite Frames	Sonone Ravindra Gulabrao	Prof. Sanjay K Sharma, Professor, NITTTR, Chd. and Prof. Dr. HK Sharma, Professor, NIT, Kurukshetra	July 05, 2021
A Novel Technique for Analysis of Inverse Problem in Electrocardiogram	Gaddam Chandra Mohan	Prof. SS Pattnaik, Director, NITTTR Chandigarh	July 28, 2021
Computer Aided Process Planning in Reconfigurable Manufacturing System Environment	Ghadge Chandra Kant Sukhdev	Prof. BS Pabla, Professor, and Prof. SS Dhami, Professor	July 30, 2021

The institute faculty coordinated six MOOCs re-launched through SWAYAM Portal as per detail given below:

S. No.	Title of MOOC	Name of Coordinator(s)	Number of Participants	Dates
1.	Communication Skills, Modes & Knowledge Dissemination	Er. Amandeep Kaur	2591	30 July – 27 September, 2021
2.	Development of Self Learning Material	Dr. Sunil Dutt	881	30 July – 27 September, 2021
3.	Education Video Production	Dr. Maitreyee Dutta/Dr. SS Pattnaik	1650	30 July – 27 September, 2021
4.	Entrepreneurship Development	Dr. SK Dhameja	1374	30 July – 27 September, 2021
5.	Graphics and Animation Development	Er. Shano Solanki	3844	30 July – 27 September, 2021
6.	Research in Technical Education	Dr. PK Tulsi/Dr. Sunil Dutt	679	30 July – 01 October, 2021

Boosting Competency

- International Conference on Emerging Technologies: AI, IoT and CPS for Science & Technology Applications was jointly organized by Departments of ECE and EE, NITTTR Chandigarh, during September 6-7, 2021. During inaugural function of Conference, the Chief Guest Prof. Rajeesh Ahuja, Director, IIT Ropar, Guest of Honour Dr. Biplab Sikdar, Vice-Dean & Area Director (Communications & Networks), National University of Singapore, Professor SS Pattnaik, Director, NITTTR, Chandigarh addressed the gathering. More than 100 delegates had participated in this conference within and outside the country.



- Nanomaterials Engineering and Devices Laboratory under Applied Science department was inaugurated by Prof. Rajeev Ahuja, Director IIT Ropar on September 07, 2021. This laboratory will facilitate synthesis of low dimensional materials for various device application like energy storage, thermoelectric, optoelectronics components etc.



Fit India day was celebrated on August 13, 2021 with push-up competitions for faculty and staff.



Synergy with Peers

- Institute initiated International Lecture series by International Experts and in the series, 02 Lectures by International Experts, Prof. SS Iyengar, Distinguished University Professor and Founding Director of Discovery Lab, Florida International University, USA and Prof. Ernesto Limiti, Professor, Department of Electronic Engineering, University of Roma Tor Vergata, Italy were organised on July 16, 2021 and August 26, 2021 respectively, with participations of around 200 delegated from all over the country.
- Punjab National Bank inaugurated its digital banking in NITTTR Chandigarh on July 20, 2021 and organized a workshop on digital awareness.
- Prof. Anil Dattatraya Sahasrabudhe, Chairman of All India Council for Technical Education (AICTE) visited NITTTR Chandigarh on July 30, 2021. He appreciated the activities conducted by the institute during his meeting with the Director and senior faculty members.
- Research Steering Committee of Development Council for Pulp, Paper and Allied Industries (RSC- DCPPI) Training Program was organized by Civil Engineering Department of NITTTR Chandigarh on September 17, 2021
- Remote access facility for the Digital Resources of the institute library was launched on September 03, 2021 with the support of INFLIBNET Centre, Gandhinagar.

Joining Golden Ager Club

Superannuation

		
Shri Surinder Singh 31.07.2021 Section Officer, Academic Cell	Mrs. Karamjit Kaur Sachdev 31.08.2021 Assistant Section Officer, Media Engineering	Shri Mubarak Hussain 31.08.2021 Binder, Media Engineering

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Dr. Balwinder Raj and Dr. Meenakshi Sood
Dr. Kanika Sharma (Member Convener)
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