



National Institute of Technical Teachers Training and Research, Chandigarh

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# Newsletter

## Message from Professor SS Pattnaik, Director



National Institute of Technical Teachers Training and Research, Chandigarh as an institute has a history of challenging the challenges. The impact of Covid-19 has been felt in many organizations but this institute with the contributions of faculty and staff could deliver on all fronts during this difficult period. Keeping pace with the requirement of the Ministry, the institute observed Azadika Amrit Mahotsav, Anti-Terrorism Day, International Yoga Day, etc. On the academic front, the faculty members not only performed the training and education as per the Operational Plan but also conducted the international conference, mentoring workshop, webinar on Healthy Mouth-Healthy Body and seminar on implementation of NEP-2020. For the first time in the campus, a full-fledged Digital Bank was installed by the Punjab National Bank which happens to be the second in the country. The faculty members published research papers, books, and book chapters and continued the consultancy activities. The institute infrastructure development and BOGs meeting continued to happen.

This newsletter is a proven document of the teamwork performed by the faculty and staff of the institute with a single motive to contribute qualitatively and quantitatively to the technical education system of the country.

I thank the Editorial Team for compiling the activities and contributions of the institute in a limited space. I wish a good reading and learning for the readers.

## Celebrations / Event Organized

Azadika Amrut Mahotsav concluded on 5th April 2021, which was attended by Deans, HoDs, faculty, staff and students of the institute. The program began with the address of Prof. S.S. Pattnaik, Director, NITTR Chandigarh in which he put forth the need to celebrate the day in the name of 'Azadi Kamrut Mahotsav' in a way that provides everyone an opportunity to recall the events and active personalities of the freedom struggle. Dr. Maitreyee Dutta, Dean Academics and R & D of the institute talked about five pillars – freedom struggle, ideas at 75, actions, achievements at 75 and resolve at 75 suggested by PM Sh. Narendra Modi to celebrate 75 years of Independence. The invited keynote speaker - Maj. Gen. SS Sharma, (Recipient of Kirti Chakra, Vishisht Seva Medal), Former Director, SASE, Chandigarh highlighted his eventful journey through the years with challenges faced, efforts to overcome the hurdles and achieve the results which remained useful for the country. The winners of various competitions were felicitated in the ceremony.



Prof. S.S. Pattnaik, Director, NITTR Chandigarh, addressing the audience during Azadi ka Amrut Mahotsav

## International Conference on Edge, IoT and Social Computing for Digital Villages

An "International Conference on Edge, IoT and Social Computing for Digital Villages" organized by the Department of Computer Science & Engg., NITTR, Chandigarh during April 29-30, 2021 sponsored by AICTE, New Delhi. The conference was jointly inaugurated by Prof. (Dr.) SS Pattnaik, Director, NITTR Chandigarh and Prof. (Dr.) Raj Kumar Buyya, Professor and Director of CLOUDS Lab, School of Computing & Information Systems, the University of Melbourne, Australia. The conference hosted keynote addresses by International Speakers Dr. Gabriella Casalino, CILAB Laboratory, Department of Computer Science University of Bari "Aldo Moro", Italy and Prof. Shiv Kumar Mathapathi, Adjunct Faculty, Santa Clara University, and UC San Diego Extension, Co-founder of Dew Mobility, USA. 135 participants attended the seminar and 27 participants (researchers and academicians from all over India) presented papers in the conference. The International Conference provided an exposure to the recent advancements and innovations that can be used for enriching digital villages.



## Observance of Anti-Terrorism Day on 21st May, 2021:

The Antiterrorism day was celebrated on 21st may, 2021 in the institute by conducting Reading of Pledge in online mode following the guidelines issued in the wake of COVID 19 pandemic. "Reading of Pledge" ceremony was conducted through online mode. Prof. (Dr.) Shyam Sunder Pattnaik (Director of the institute), Deans, Prof. and Head of the Departments, Faculty and Staff participated in the ceremony and took the pledge. The Pledge was administered to spread the message of Peace, Unity, Harmony and Humanity and to make all the institute employees aware of the anti-social act of terrorism.



## Celebration of International Yoga Day

International Yoga day was celebrated in online mode for the Faculty, Staff and ME Students & PhD Scholars with the following activities:

1. An Interactive online session on Nutrition and Immunity was organized. Speaker: Dr Nirupa Marwah, Prof & Head (Food & Nutrition) Retd, Govt Home Science College on 18th June, 2021.
2. Preparation of Instructional Video: A Video programme, as per guidelines of Yoga Protocol including demonstration of Yoga Asanas and Pranayam techniques was prepared. Dr. Baban Kumar, Senior Principal Scientist was invited as the guest expert.
3. Conduct of Yoga Practice session: The session was conducted from 6.30 am to 7.45 am on June 21, 2021 with the help of video.
4. Distribution of Yoga Mats: Yoga Mats were made available to occupants of Girls Hostel for personal use due to prevailing conditions to encourage and facilitate Yoga activities.



## COVID 19, RTPCR campus test drive organized

RT-PCR Testing Camps were organized for COVID-19 at the Institute in collaboration with the Chandigarh Administration on May 27, 2021 and June 2021 from 10:00 AM to 1:00 PM for the Institute faculty, staff (including contractual and mess/canteen staff members and workers), students and their family members. Samples of about 155 faculty & staff and their family members and 120 students were collected by a team of doctors for RT-PCR Testing.



## Support System/ Infrastructure Development

Advanced laboratory for Cyber Security was set up in the Department of Information Management and Emerging Engineering, NITTR under the sponsored project funded by Ministry of Electronics and Information Technology, Government of India and was Inaugurated by Shri Madhu Ranjan Kumar Joint Secretary (Administration) Ministry of Education (Department of Higher Education) Government of India in presence of Prof. (Dr.) S.S. Pattnaik, Director and Member of BOGs and Principal Investigator Prof. (Dr.) Maitreyee Dutta through online mode. The advanced cyber security laboratory contains high end computer Systems and Hardware Equipment like True Imager, Write Blocker, Win-Lift, CyberCheck suite and many more. More than 25 Lab Manuals were developed by Team Members under the project "Establishment of Advanced laboratory for Cyber Security Training to technical teachers" on open source and commercial tools of cyber security and cyber forensics and numerous video lectures were also recorded which are available in NCTEL web portal to share with participants if required.



## Institute BOG meeting

A meeting of the Board of Governors of the institute took place on June 18, 2021 in physical as well as video conference medium. This was 54th meeting during which 11 BoG members attended



## A Webinar on 'Healthy Mouth-Healthy Body'

The institute organized a Webinar for the faculty, staff, students and their families on 'Healthy Mouth-Healthy Body' online session on 23rd June, 2021, at 11:00 AM to generate awareness about the importance of Oral Health. The resource person of the webinar was Dr. Ruchit Uppal, a dentist, specialized in Oral & Maxillofacial Surgery. The webinar has sensitized everyone and created awareness about how to lead a healthy oral life.

## Punjab National Bank ATM installed

Punjab National Bank has installed an ATM at the backside on NITTTR Estate Office. It was inaugurated by Sh. Sandeep Kumar Panigrahi, Zonal Manager of PNB, in the presence of Director NITTTR Chandigarh, Professor (Dr.) SS Pattnaik. Various deans, head of the departments, section officers, faculty/staff members and students attended the inauguration in offline / online mode. MoU has been signed between PNB and NITTTR Chandigarh for lease period of 15 years.



## Mentors' workshop for Haryana and Delhi states organized

Mentors' workshop for Haryana and Delhi States was organized from 21st June to 25th June, 2021 under the coordinator ship of Dr. Maitreyee Dutta, Professor & Head, Department of Information Management & Emerging Engineering and Er. Amit Deoger, Associate Professor, CSE department of the institute. Col B Venkat, Director, Faculty Development Cell, AICTE, New Delhi was the Guest of Honour. Dr. AK Nassa, Member Secretary, National Board of Accreditation, New Delhi was the Chief Guest. A total 8 AICTE-NITT Modules and their related rubrics were discussed during the program. The programme was attended by 232 participants from the States of Haryana and Delhi.



## Virtual HRD Endeavour

NITTTR, Chandigarh trained a total of 2625 participants during April to June 2021, by organizing online STCs, and workshops in various areas. A total of 63 courses were conducted during the period. In addition, an ATAL FDP was conducted in which 176 participants were trained. 28 students were trained in a Student Training Programme.

## Blooming R & D/ Consultancy Sparkles

### R & D/ Consultancy Activities

The institute received an amount of Rs. 63,36,418/- in various Consultancy Projects as detailed below:

- Rs. 8,83,820/- was received by CDC Department against project from Aarav Educational & Employment Research Organization (AEERO), Delhi for designing NSQF aligned 10 courses.
- Rs. 31,86,000/- was received by CDC Department against project from HSBTE, Panchkula for developing/designing NSQF compliant 27 Curricula as per NSQF/NEP 2020/AICTE.
- Rs. 22,66,598/- was received by Civil Engineering Department in a Consultancy Project.

### Sponsored Project:

4 AICTE-ATAL Programmes have been approved by AICTE, out of which 1 AICTE-ATAL Programme on 'Cyber Security Vulnerabilities and Safeguards' was conducted during 17-21 May, 2021. A total of 176 participants were trained and a grant of Rs. 93,000/- was received.

### Publications

Faculty of the institute published 22 papers in SCI indexed journal, 15 Non SCI indexed journal, 09 in National Journal and 15 in Conference proceedings.

### Books/ Chapter Published:

"A Beginner's Guide to Learning Analytics", ISBN 978-3-030-70257-1, Series: Advances in Analytics for Learning and Teaching, Springer, 2021 - Prof. KG Srinivasa.

Artificial Intelligence for Information Management : A Healthcare Perspective", ISBN 978-981-16-0414-0; Series: Studies in Big Data, Springer, 2021 - Prof. KG Srinivasa.

### Other Teaching/ Learning Material Developed

124 Videos have been developed (1 video for GRID, 44 videos for NCTEL, 27 videos for ATAL, 41 videos for ICT Courses and 11 videos for Cyber Security Project).

## Faculty Corner

### Participation in Conference, FDP, Training/ Skill Enhancement Activity

- Dr. Ritula Thakur, Associate Professor, Electrical Engineering Department, delivered online expert talk on "Role of AI in achieving Los Angeles' dream of 100% Renewable Energy by 2035" at Ready to Help Organisation, Los Angeles, USA on 23rd June 2021.
- Dr. Meenakshi Sood, Associate Professor, CDC, attended Colombo Plan Staff College (CPSC) Online Regional Program on Developing Context Based Vocational pedagogy, (26-30 April 2021). She chaired a session 1st International Conference on Women Researcher in Electronics and Computing "WREC-2021" at NIT Jalandhar organised by the Department of Electronics & Communication Engineering, National Institute of Technology Jalandhar from April 22-24, 2021. She delivered an Expert talk on NEP 2020 in AICTE sponsored FDP organized by Sri Krishna College of Engg. & Tech., Coimbatore from 24th May to 05th June 2021.
- Dr. Balwinder Raj, Associate Professor, ECE attended and presented paper in online International Conference on Women Researchers in Electronics & Computing, organized by NIT Jalandhar, 23-24 April 2021. He has attended an e-STC entitled "Recent Advances in Data Science and Computational Intelligence" at NIT Jalandhar, 26-30 April 2021. He delivered an expert talk on "Fabrication of Electronic Devices" in Dept. of ECE, Asansol Engineering College, Asansol, West Bengal, India, on 5th June 2021.
- Dr. HK Vinayak delivered lectures on "Twisting Mechanisms of Buildings during EQs", "Assessment and Retrofitting of Steel Bridges" and "Non Engineered Construction Practice: Issues Challenges and Solutions" outside the institute.
- Dr. P. Sudhaker Rao, Assistant Professor attended one AICTE Sponsored QIP STC on "4D Printing for smart manufacturing" conducted by Mech Engg. Dept. of NITTTR Chd from 28.06.2021 to 03.07.2021 in online mode

## Synergy with Peers

### Collaborative Activities with other institutions

NITTTR Chandigarh in collaboration with MRS-PTU Bathinda organized a one day online seminar on 'Implementation of NEP-2020 in Higher Technical Institutions' on 5th April, 2021. Prof. Nagarajan Ramamoorthy, Director IIM Amritsar was the Chief Guest. He addressed the participants regarding role of education and NEP 2020 in bringing Indian education system to the world map. Prof. SS Pattnaik, Director NITTTR Chandigarh emphasized on the inter-disciplinary and multi-disciplinary aspects of the NEP 2020 and its role in supporting the 'Atmanirbhar Bharat' Abhiyaan. Prof. Buta Singh Sidhu, Vice Chancellor, MRS-PTU Bathinda apprised the participants about the path for smooth implementation of the NEP 2020 taking into cognizance the multi entry and exit options being provided by the NEP 2020. An expert session by Shri Dipan Sahu, Assistant Innovation Director at Innovation Cell of All India Council of Technical Education (AICTE), New Delhi was also held. The seminar also witnessed the address by Prof. BS Pabla and Prof. SS Gill where in they shared their views and enlightened the audience with their diverse views on the NEP 2020 and its implementation. This online seminar was attended by 145 participants from NITTTR, Chandigarh and MRS-PTU Bathinda.



## Boosting Competency

### Inspection visit from PU Chandigarh

The Inspection Committee of Panjab University visited the institute on June 29, 2021 for grant of temporary affiliation of ME Programmes in Emerging areas of AI, Robotics and IoT for the year 2021-22 at 11.30 AM. Dr. SS Pattnaik, Director of the institute along with Deans and Professors & Heads of various departments were present during the meeting.



## Joining Golden Ager Club

Superannuation	Superannuation
	
Shri Ramesh Kumar 30.04.2021 Section Officer	Shri Ram Paul 30.04.2021 STA

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