



National Institute of Technical Teachers Training and Research, Chandigarh

# Newsletter



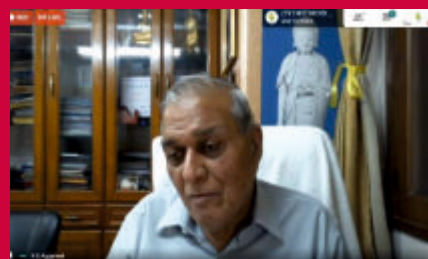
## Message from Professor SS Pattnaik, Director

Greetings from NITTTR, Chandigarh. "If there is a will, there is a way", my faculty and staff have justified this by their dedication and sincerity towards their duties. Though COVID-19 deaccelerated many activities of many organisations, but the strong willpower and motivation of my employees have surpassed this hurdle. This Newsletter is a vivid example of the same. Manifold activities were performed. The newsletter will facilitate many reader(s) to dive into the many innovative activities undertaken by this institute. **"Stay Safe and Stay Healthy"**.

## 53rd Annual Day Celebrations



NITTTR Chandigarh celebrated 53<sup>rd</sup> Annual Day on September 7, 2020 through online mode. The event was conducted through Google Meet and the live streaming of the event was transmitted through YouTube channel. Professor KK Aggarwal, Chairman, National Board of Accreditation was the chief guest of the function. Professor SS Pattnaik, Director NITTTR Chandigarh presented the Annual Report for the year 2019-20.



In addition, an open forum discussion on NEP-2020 was held. The discussion was coordinated by Prof. PK Singla with his team of rapporteurs: Dr. Meenakshi Sood, Dr. Balwinder Raj, Dr. Ashok Kumar and Dr. Mala Kalra. All faculty of the institute participated in the open forum discussion about the role of NITTTRs in the perspective of NEP 2020.

NITTTR Chandigarh published an e-souvenir on the occasion of the Annual Day. Sh. MadhuRanjan Kumar, Joint Secretary (Admin.), Ministry of Education, GOI released e-Souvenir. 15 faculty members published articles in e-Souvenir.



During the celebrations of the Annual Day, the Institute organized cultural programmes in which faculty and staff and their families presented various items through Online Mode. The programme was also live streamed on YouTube.



## 50<sup>th</sup> Meeting of Board of Governors of the institute was held through Video Conferencing on 10<sup>th</sup> July, 2020.

Shri MadhuRanjan Kumar, Joint Secretary (Admn.), Department of Higher Education, Ministry of Education, Govt. of India chaired the meeting. A number of items for the development of the institute were taken up during the meeting. The minutes of the meeting are available at the institute website:  
<http://www.nitttrchd.ac.in/sitenew1/pdf/minutes/m50.pdf>.



## The institute celebrated 74<sup>th</sup> Independence Day on 15<sup>th</sup> August, 2020.

On this occasion, Professor SS Pattnaik, Director of the institute hoisted the National Flag in the presence of all Deans, Heads and Faculty Incharges of various departments/sections while following SoPs of COVID-19. Faculty, staff and students of the institute attended the celebrations online.



## Constitution of Task Force Teams :

Professor SS Pattnaik, Director, NITTTR Chandigarh constituted 8 Task Force teams to look into the evolving needs and to address the issues while improving the institute contributions. These teams brainstormed among team members to propose the activities, created roadmap for implementation and presented the expected outcomes. All the teams prepared their DPRs for 2 years to achieve the set goals. The 8 task force teams are as listed below:

1. Online Education & Training and other Regular Academic programmes
2. Atmanirbhar Bharat Abhiyan
3. Community Development Through Polytechnics (CDTP)
4. Unnat Bharat Abhiyan
5. War Room for Industrial Consultancy
6. R&D, Consultancy and Patenting
7. Online Instructional Material Development
8. In-house Product Development

## Virtual HRD Endeavour

NITTTR Chandigarh trained a total of 11596 participants during July-September, 2020 by organizing STCs/FDPs under various schemes as described:

Sr. No.	Type of the STC/FDP	No. of STCs	No. of Candidates
1.	Online STCs supported by NITTTR Chandigarh	30	3073
2.	Online FDPs under AICTE-ATAL Scheme	3	340
3.	SWAYAM MOOC Programmes	3 (Re-Run)	7991
4.	Capacity Building Workshops	3	74
5.	STC under AICTE Margdarshan Scheme	1	118
Total		40	11596

## Some of the important workshops organized by NITTTR Chandigarh during July-September, 2020 are given below:

- ★ Malware Analysis and Reverse Engineering (attended by 174 Participants)
- ★ Role of RCIs and PIs in Promotion of Sustainable Rural Development in Aspirational Districts of India under Unnat Bharat Abhiyan(attended by 137 Participants)
- ★ National Workshop on "Designing and Developing Rubrics for Effective Implementation of OBE" under AICTE Margdarshan Scheme-(attended by 24 Participants)
- ★ 35 workshops conducted for design of NSQF compliant three-year diploma curriculum of 34 courses for BTE, Delhi.
- ★ 2 workshops conducted for design of one year diploma curriculum of 02 courses for IED, Lucknow, UP



## BLOOMING R&D / CONSULTANCY SPARKLES

- During July-September 2020, the faculty of NITTTR Chandigarh was actively involved in research & development and consultancy activities. The highlights of the activities are as follows:
- Faculty of the institute published 18 papers in SCI indexed journal, 23 Non-SCI indexed journal and 9 in Conference proceedings. In addition, 12 Research Proposals were submitted to various funding agencies.
- Curriculum Development Centre of the Institute received Consultancy project of approx. Rs. 7 Lakhs to design of 2 curricula for institute of Entrepreneurship Development of Lucknow, UP and an amount of Rs. 6 lacs for preparing curricula from MRSPTU, Bathinda, Punjab.
- Industry collaborative programme on Internet of Things (A Project based learning through Virtual IoT Lab), July 08-19, 2020; Revenue 1.50 lacs; Coordinator: Professor (Dr.) SS Gill and Professor (Dr.) KG Srinivasa.
- Industry collaborative programme on Artificial Intelligence and Machine Learning (A Project Based Learning), July 22, 2020 to August 05, 2020; Revenue 1.50 lacs; Coordinator: Dr. SS Gill and Dr. KG Srinivasa.
- Training of Principals and Foremen of Uttarakhand State ITI's: 2 programmes. Revenue 3 lacs; Coordinators: Professor (Dr.) SS Gill and Professor (Dr.) KG Srinivasa.
- Rs. 6.5 lakhs worth consultancy projects received by Civil Engineering Faculty.
- Rs. 93,000/- each for organizing three Online ATAL FDP on **"Blended Learning and Flipped Classroom (02 Nos.)"** and **"Sensors Technology"** during August-September, 2020; Coordinators: Professor (Dr.) Sunil Dutt/Er. Amandeep Kaur, Professor (Dr.) KG Srinivasa and Dr. Ashok Kumar respectively.

## FACULTY CORNER

- Professor (Dr.) SS Pattnaik, Professor (Dr.) RK Wats and Professor (Dr.) Sunil Dutt developed Guidelines Manual for **"Mentoring of the Teachers of Higher Education Institutions under University Grants Commission"** and the same is available at the link: <http://www.nitttrchd.ac.in/sitenew1/impdoc/2020/FinalDocument.pdf>
- 37 Laboratory Manuals and other instructional materials have been developed by the NITTTR faculty.
- NITTTR faculty contributed to upload 32 Video Films on NCTEL Channel and edited 9 Video Films.
- Mohammad Ahsan Siddiqui, Dr. Mala Kalra and Professor (Dr.) Rama Krishna Challa, Dr. Syed Mohammad Shoaib and Dr. M. Nizamuddin published a Patent titled "A System for Wirelessly Monitoring Water Level in a Water Tank and method thereof" on 4 September 2020.
- Dr. Balwinder Singh and Dr. Kanika Sharma organized an online Quiz on August 31, 2020 for final year B. Tech. (ECE) students of engineering colleges in which 229 students participated.
- Mr. Aditya Bhardwaj, a student of Ph.D. under the supervision of Dr. Rama Krishna Challa, presented his final Ph.D. Viva Voce on the topic, 'Efficient Pre-copy Virtual Machine Migration Technique for Cloud Computing' on 03.08.2020.
- संस्थान की फेकल्टी, सटाफ तथा छात्रों ने हिन्दी की विभिन्न प्रतियोगिताओं (हिन्दी सुलेख, हिन्दी शब्द ज्ञान, हिन्दी टाइपिंग, हिन्दी नोटिंग / ड्राफ्टिंग, हिन्दी श्रुतलेख, हिन्दी उच्चारण, हिन्दी कविता पाठ) (सितंबर, 2020) के दौरान भाग लिया। प्रतियोगिता निर्णायक समिति (डा० सुनील दत्त, डा० पंकज शर्मा, डा० ऋतुला ठाकुर एवं डा० माला कालरा) ने इन प्रतियोगिताओं का निर्णय दिया।

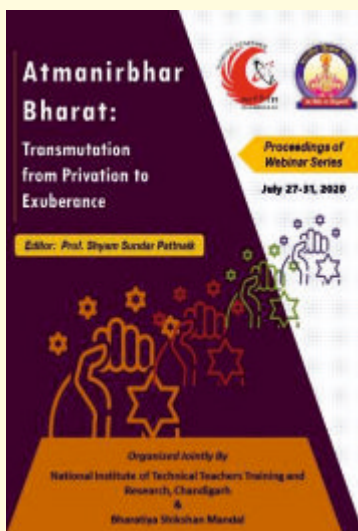
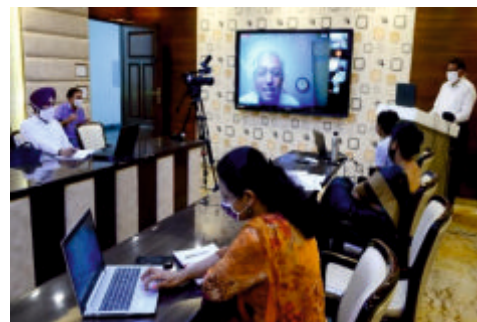


## BOOSTING COMPETENCY

Faculty of the institute attended online training programmes and various webinars during July-September, 2020 as per detail given below:

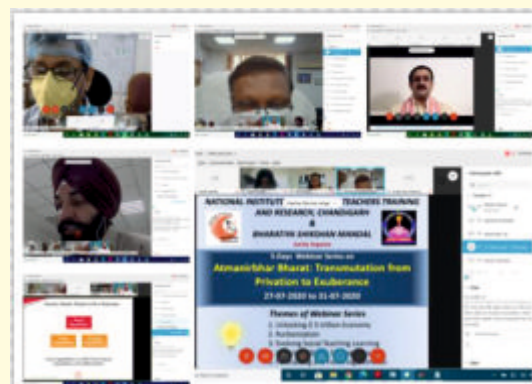
- Capacity Building programmes on AICTE-NITTTR Modules by all NITTTR faculty members.
- Er. Amit Dogar: ATAL FDP, "Data Sciences" during August 24-28, 2020 by Tripura Institute of Technology, Tripura.
- Er. Amit Dogar: AICTE STTP, "Machine learning and Deep Learning: Research and Applications Perspectives (Part-3)" by Poornima College of Engineering, Jaipur, during September 14-19, 2020.
- Dr. Balwinder Singh: ATAL FDP, "Augmented Reality (AR)/ Virtual Reality (VR)" during September 7-11, 2020 by VNR VignanaJyothi Institute of Engineering and Technology, Hyderabad, Telangana

NITTTT Chandigarh in collaboration with other three NITTTTs organized a Panel Discussion on 'Making Mentoring Relevant: NEP-2020 Perspective' on September 21, 2020, wherein about 25 Vice- Chancellors, Directors of leading Universities/Institutes dwelled on four themes: Road-map for Inclusive Teachers Mentoring; The Science of Mentoring Relationship; Setting Standards for Teacher Educators; and, Challenging Challenges in Teachers Mentoring. In the follow up action of this panel discussion, NITTTTs organized 2 days Brain Storming sessions on the four themes and prepared a document which is available at the following link: <http://www.nitttrchd.ac.in/sitenew1/impdoc/2020/ReportonMakingMentoring.pdf>



### **Atmanirbhar Bharat Abhiyan Task Force in association with Bharatiya Shikshan Mandal**

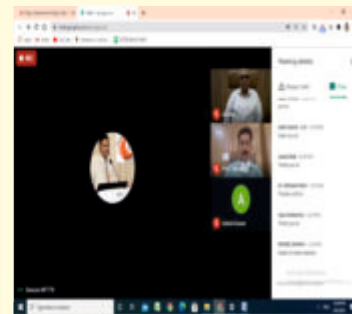
organized 5-Days Webinar Series on "Atmanirbhar Bharat: Transmutation from Privation to Exuberance" during July 27-31, 2020. The themes of webinar series were 1. Unlocking \$ 5 trillion Economy, 2. Rurbanization, 3. Evolving Social Teaching Learning, 4. Ushering Vibrant Demography, 5. Forecasting and Fostering Demands related to the five pillars viz. Economy, Infrastructure, System,



Vibrant Demography and Demand respectively of the Atmanirbhar Bharat Abhiyan. The Chief-Guest Shri Madhu Ranjan Kumar, Joint Secretary (Admin.), Ministry of Education (Previously MHRD), GOI; Guest of Honor Shri Mukul Kanitkar, National Organising Secretary, Bharatiya Shikshan Mandal; Mr. B.K. Mishra, Sr Vice President and Global Head, Delivery & Operation at Tech Mahindra; Mr. Saket Misra, CEO of Venus India Asset

Finance; Mr. Bijay Kumar Sahoo, Group-President Strategic HR Reliance Industries; Prof. Unnat P. Pandit Professor, JNU Delhi Ex- Program Director, AIM, NITI Aayog; Professor SS Pattnaik, Director, NITTTT Chandigarh and other eminent speakers delivered expert talks and deliberated on the role of Higher Education Institutions in strengthening the Atmanirbhar Bharat Abhiyan. The proceedings booklet of this webinar series is available at the following link : <http://www.nitttrchd.ac.in/sitenew1/impdoc/2020/FinalProceedingsANB29-11-2020.pdf>

NITTTT Chandigarh organized a National Webinar on "Literacy in National Educational Policy 2020" on September 8, 2020 in collaboration with NIT Kurukshetra on the occasion of International Literacy Day. About 200 participants attended the webinar from different parts of the country. Padma Shri Awardee Dr. Satish Kumar, Director of NIT Kurukshetra, Professor SS Pattnaik, Director NITTTT Chandigarh, Dr. Anurag Gaur from NIT Kurukshetra and other eminent scholars deliberated on the topic.



## Joining Golden Ager Club Superannuation



**Mr. Rajesh  
MSA  
31.07.2020**