



National Institute of Technical Teachers Training and Research, Chandigarh

Volume 12, No. 1
(January – March,
2021)

Newsletter



Message from Professor SS Pattnaik, Director Greetings to All.

This issue of the Newsletter highlights the efforts of faculty members and staff of this institute to contribute academic excellence surpassing the hurdles of pandemic. Celebration of various events, contributions to training, education, research & development, etc., taken up during these periods presented in this issue of the newsletter, I am sure will draw the attention of stakeholders and would act as catalyst for many organizational endeavours for academic excellence. Stay Healthy and Stay safe.

Republic Day Celebrations

The 72nd Republic Day was celebrated on 26th January, 2021 with the Unfurling of the National Flag by the Director, NITTTR Chandigarh in the presence of faculty, staff and students of the institute. The Director emphasized that the employee's dedication to the organization in which he or she serving is a great service to the nation. Your honesty and dignity among the family members gives greater enthusiasm to work for the development of the nation. Prof. AB Gupta, Prof. Maitreyee Dutta, Er. PK Singla and other faculty/staff members enriched the occasion with highly motivated speeches and citing features of constitution and development of nation.



AWARD CEREMONY

A function was held on 5th February, 2021 for awarding the BEST POLYTECHNIC in the region. The awards were given to Government Polytechnic Bathinda and Government Polytechnic Sonapat for the year 2020-21. This function is normally held during the institute annual day celebrations on 7th September 2021, but due to Covid-19 pandemic lockdown the function could not be conducted in the contact mode. The award is given based on the various scoring parameters related to administration, academics, infrastructure, achievements, feedback and evaluation.



Ninth Annual Alumni Meet

NITTTR, Chandigarh organised the 9th Annual Alumni Meet on 30th March, 2021 in virtual mode which was attended by around eighty alumni and faculty members of the institute. Prof. Pattnaik enlightened the importance of the alumni contribution in the development of the institute. He highlighted the emotional bonding that alumni have with their alma mater. Brainstorming session was held with the alumni to share their views and ideas for improving the quality of technical education. Discussion was held regarding reorganising and restructuring of technical education and higher education in the light of new National Education Policy and role of our institute in near future. Prof. Poonam Syal, Coordinator of the event, interacted with the Alumni on the future roadmap for next five years.



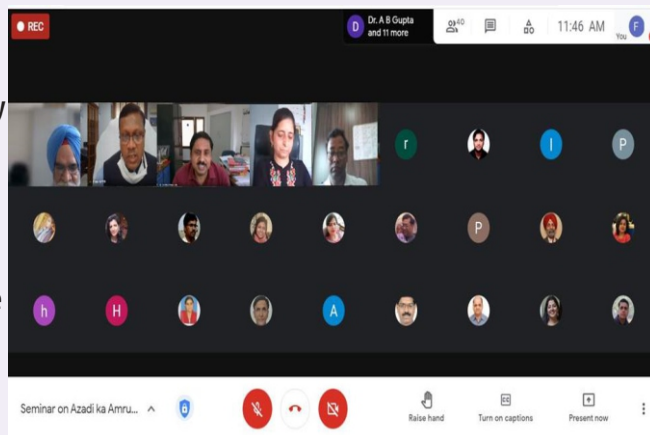
Women's Day Celebrations

NITTR Chandigarh celebrated International Women's Day on the theme 'Choose to Challenge' on 8th March 2021. During his inaugural address, Prof. SS Pattnaik, Director, NITTR Chandigarh emphasized on the importance of cohesiveness in the workplace and at home maintained by women. Invited Keynote Speaker, Dr. Nandita Gupta, IAS, Joint Secretary at Ministry of Food and Public Distribution, GoI, New Delhi focussed on Women empowerment and stressed upon gender equality. A short film 'Nari - A Woman's Quest for Identity' by Art Infinitii directed by Mr. Jyotirmya and produced by Dr. Rita Dutt along with the creative team of Mr. Sarvpriya Nirmohi and Mr. Chaitanya was launched. The event was coordinated by Dr. Meenakshi Sood and Dr. Garima Saini.



AzadiKaAmrutMahotsav Celebrations

The celebration of AzadiKaAmrutMahotsav was on 12th March, 2021. The program began with the address of Prof. SS Pattnaik, Director, NITTR Chandigarh who talked about the importance of Azadi to the young generation. He highlighted the need to celebrate the day in the name of 'AzadiKaAmrutMahotsav' which provides us an opportunity to recall the events and freedom struggle personalities. The invited keynote speaker Dr. Manoranjan Dhal, Professor and Chairperson, Organisational Behaviour & Human Resources, IIM, Kozhikode delivered the talk on the contribution of labour movement in India's freedom struggle. He highlighted the journey of struggle for social justice, beginning from how the demands were raised for upliftment of working conditions of labours as well as for protecting their health and finally how they got their rights. He also stressed on being aware of our responsibilities along with freedom.



HRD Endeavour

NITTR Chandigarh trained a total of 11596 participants during January-March, 2021 by organizing STCs/FDPs, workshops, and other activities. As the impact of COVID-19 was dropping, so NITTR Chandigarh also organized few activities in offline mode. 35 FDPs/STCs have been organized by NITTR faculty in online mode. One NITTR – Orientation Training Programme for Mentors has been organized by NITTR Chandigarh which was attended by 83 participants. Another mentors' orientation workshop organized for mentoring young faculty of UGC non-technical higher education

Course Title	Sponsoring Agency	Period	Name of Coordinator	Participants
Solid Waste Management Technology and Regulatory Compliance	DST	18 – 22 January, 2021	Prof. Sanjay Sharma/ Dr Amit Goyal	36
Effective Teaching Practices	AICTE	18 – 23 January, 2021	Prof. Sunil Dutt/ Er Amandeep Kaur	51
Blended Learning and Flipped Classroom	ATAL - AICTE	01 – 5 February, 2021	Prof. KG Srinivasa	102
Blended Learning and Flipped Classroom	ATAL - AICTE	08 – 12 February, 2021	Prof. Sunil Dutt/ Er. Amandeep Kaur	138
Outcome Based Education	AICTE	15 – 19 February, 2021	Prof. C Rama Krishna/ Dr. Mala Kalra	50

The SWAYAM MOOCs conducted by NITTTR faculty during this period also received overwhelming response from the participants as a total of 8262 participants enrolled for these courses.

SWAYAM MOOC Title	Period	Name of Coordinator	Participants
Research in Technical Education	31 st January – 2 nd April, 2021	Prof. (Retd.) PK Tulsi	600
Development of Self Learning Material	31 st January – 12 th April, 2021	Prof. Sunil Dutt	892
Educational Video Production	31 st January – 12 th April, 2021	Prof. Maitreyee Dutta Prof. SS Pattnaik	1654
Entrepreneurship Development	31 st January – 12 th April, 2021	Prof. SK Dhameja	2082
Graphics and Animation Development	31 st January – 12 th April, 2021	Mrs. Shano Solanki	3034

Blooming R&D/ Consultancy Sparkles

During January -March 2021, the faculty members of NITTTR Chandigarh were actively involved in research & development and consultancy activities. Some of the achievements are highlighted as follows:

- Faculty of the institute published 23 papers in SCI indexed journal, 31 Non SCI indexed journal and 06 in Conference proceedings
- 17 Research Proposals were submitted to various funding agencies.
- Received Consultancy Projects amount to Rs. 95,99,930/- coordinated by various faculty members.
- Grant of Rs. 80 lacs sanctioned to the Institute under FIST Level 0 by DST
- Research Grant of Rs 1.50 Lac for the year 2021-22 funded by Department of Science and Technology & Renewable Energy, Chandigarh Administration on "Recyclable 3D printed dry cell as alternative sources of energy
- Skill-Oriented Training on Latest Automobile Technologies and Effectiveness Classroom Communication from 15th – 26th March, 2021.
- Training Programmes for ITI Instructorsof Uttarakhand State.
- 3 weeks Student training on Cyber Security Tools for G.P.C, Ambota (H.P.).
- Viva-voce examination of the 02 Ph.D. scholars was conducted as per detail given below:



Thesis Title	Name of Ph.D. Scholar	Name of Supervisor	Date of Viva-Voce Examination
Efficient Machine Learning Algorithm for Cancer Detection Using Biomedical Images	Shallu	Prof. Rajesh Mehra, Professor, CDC	08 th January, 2021
Data Aggregation and Dissemination in Cloud-Based WABNs for Ubiquitous Health Monitoring	Roopali	Dr Rakesh Kumar, Assistant Professor (on lien), CSE Deptt.	22 nd February, 2021

Faculty Corner

- Prof.Lini Mathew and Prof.PiushVerma prepared Detailed Project Report of Integrated Pharmaceutical Industrial Park (Electrical Works)at Wazirabad, Distt. Fatehgarh Sahib, Punjab.
- Dr Ritula Thakur was invited by MKAI, a UK based AI forum as keynote speaker for their technical event " MKAI AI TECHNICAL FORUM MARCH, 2021: TRUST IN THE AGE OF AI – PART 3: AI FOR SMARTER ENERGY MANAGEMENT" on 24th March, 2021.
- Dr.MeenakshiSood Published one patent titled 'Design of Household Waste Heat Harvesting System'.
- NSQF Compliant Diploma curriculum of 34 Diploma(First year) Programmesdeveloped and submitted to Board of Technical Education(BTE), Delhi by CDC faculty.
- Dr Ashok Kumar published a book chapter in the "Handbook of Polymer & Ceramic Nanotechnology" published by Springer.
- विद्युत वाहनों में सुपर कैपेसिटर का अनुप्रयोग" पर डॉ.अशोक कुमार और डॉ. पंकज शर्मा द्वारा हिंदी में एक निर्देशात्मक सामग्री तैयार की गई।
- Prof.RupinderSingh contributed his expertise in editing of 6 books related to 4D printing to be published by international level publishers like CRC Press, Taylor & Francis, Elsevier.
- Prof Rupinder Singh also served as Guest Editor for Special issue "3D and 4D Hybrid Printed Functional Prototypes" Materials International Open Access Journal (ISSN: 2668-5728)
- NITTTR Faculty members alsocontributed in the development of 10 online e-content and 32 MOOCs video films during this period of January-March 2021.



Synergy with Peers

- The institute signed a MOU with Himachal Pradesh State Disaster Management Authority (HPSDMA) to undertake projects and programmes of mutual interest at Shimla on 27th January, 2021.
- Centre for Clean Technologies and Sustainable Development at NITTTR, Chandigarh has organized Skill Development Course on Technical Knowledge Enhancement in Solar Energy Systems for Sustainable Development from 1st–25th March 2021 under Skill India Mission declared by Hon'ble Prime Minister in collaboration with ENVIS Hub of Department of Environment, Chandigarh Administration. During a visit to PEDDA Energy Efficient Building, Inter Solar Systems Ltd., DeraBassi, trainees were acquainted with different solar devices and various stages of assembling process of Solar PV panel. To offer job placement to the trained candidates at the doorstep, ENVIS Hub, Chandigarh has also arranged a placement drive by involving around 20+ authorised vendors working in solar installations in the region.



Upcoming Activities/STCs

72 STCs on diverse topics will be organised by various departments of NITTTR Chandigarh for faculty of Engineering and Polytechnic institutions during the next three months. Some of the other activities planned for the next three months are as follows:

- One-day workshop on Implementation of NEP-2020 for Quality Online and Open Distance Learning (ODL) Education on 28th April, 2021.
- International Conference on Edge, IoT and Social Computing for Digital Villages (ICEISCDV-2021) to be held on 29th–30th April, 2021.
- Celebration of International Yoga Day on 21st June 2021.
- Mentors' workshop for Haryana and Delhi states in June 2021.

Joining Golden Ager Club

Superannuation



Shri Dilbagh Singh
31st March, 2021
Restorer (Library)



Shri Kuldip Singh Rana
31st March, 2021
Assistant Section Officer
Computer Science & Engineering
Department

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Co-Chairman: Dr. Balwinder Singh Dhaliwal

Team: Dr. HR Vinayak, Dr. Ashok Kumar,
Dr. Kanika Sharma (Member Convener)

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