



Leading From the Front

Message from the Director

Dear all, Greetings from NITTTR Chandigarh!

It is with great pleasure that I present to you the April-June 2023 issue of our institute Newsletter "Sampark". This media platform continues to be a testament to the remarkable achievements, contributions, and ongoing excellence that define our institution.

In this issue, you will find interesting reports on various activities and programs conducted by our faculty, staff, and students during April-June 2023, who embody the spirit of creativity and dedication. From innovative processes and products to community outreach initiatives, our institute remains at the forefront of constructive contribution.

As we navigate the ever-changing landscape of higher education, training, capacity building and skill development, our commitment to fostering critical thinking, creativity, and inclusivity remains resolute. This newsletter serves as a celebration of our team work, collective accomplishments and a reminder of the boundless potential that lies within our community.

I extend my sincere gratitude to all contributors and readers who make this newsletter a success. Together, we will continue to shape the future of technical training, education and research, and make a lasting positive impact.

With best wishes and compliments,
Bhola Ram Gurjar
Director, NITTTR Chandigarh



Prof. (Dr.) B. R. Gurjar, Director, NITTTR Chandigarh, delivered an Invited Talk during European Union funded 'Regional Workshop on Air Quality Management in Cities' on 10th May 2023 at Hotel Taj Chandigarh.

Major Contributions to the Nation Building

EDUCATION AND TRAINING

- The Institute organized 31 STCs through Online Mode and 38 STCs in Contact Mode; 5046 participants attended.
- A 6-Day Training Programme on Hydraulic Controls for Ocean Engineering International Services Ltd. was conducted from 8-13 May 2023, with a total of 11 participants.
- 12 Curriculum Development Workshops were conducted with 89 participants.
- A One-Day online Workshop on the UBA Action Plan for the Year 2023-24 was conducted on 10th May 2023 with 27 participants.
- Four Review workshops on the Implementation of the CDTP Scheme were conducted in May 2023 with a total of 215 participants.
- 125 participants took part in a One-day online workshop on “Pedagogical Skill Enhancement among Technical Teachers in Context of NEP 2020”.
- Three Online Workshops on “Vetting NBA SAR Proposal of UG Programme in CSE”, “Vetting NBA SAR Proposal of MBA Programme” and “Vetting NBA SAR Proposal of UG Programme in Civil Engg.” under AICTE Margdarshan Scheme were conducted in the month of May 2023 for MMEC, Mullana, with a total of 45 participants.
- A student training programme on “Awareness cum Motivational Training Programme on Entrepreneurship and Startups” was conducted on 30th May 2023 at Government Polytechnic, Panchkula with 120 Participants.



Dr. Ritula Thakur coordinated Five Days Faculty Development Program on "Microgrid Protection and Control" at National Institute of Technology (NIT), Meghalaya. Fifty two participants trained during the course and were apprised about the latest aspects of Protection and Control of Microgrid.

Department of Media Engineering conducted a Five-Day Short Term Course on “Technology Integration and NEP 2020” in online and contact modes in June 2023, where 260 participants were trained.



CURRICULUM DEVELOPMENT

- Designed the curriculum of Diploma programme (for 2nd Year) in “Artificial Intelligence and Machine Learning” for Haryana State and submitted to HSBTE, Panchkula.
- Designed the curriculum of Diploma programme (for 2nd Year) in “Hotel Management and Catering Technology” for Haryana State and submitted to HSBTE, Panchkula.
- Revised Curriculum contents of 21 diploma programmes (for 1st Year and 2nd Year) as per NSQF Guidelines for Punjab State and submitted to PSBTE, Punjab.

Outreach

The Institute signed MOU's with MDS Indo Can Inc. in April 2023, and Innovante Water Solutions Pvt Ltd. and IIT, Roorkee in June 2023.

NITTTR Chandigarh hosted a 5-day residential Innovation, Design and Entrepreneurship (IDE) Bootcamp during 22-26 June 2023 jointly organized by All-India Council for Technical Education (AICTE) and the Ministry of Education's Innovation Cell (MIC).



More to Come...

Below are some of the important STCs being organized by the Institute over the next few months. For more programs and registration to the STCs, visit NITTTR FDP Portal at <https://fdp.nitttrchd.ac.in>.

- Stem Teaching (Applied Sciences; December 2023; Online Mode)
- Vedic V/s classical Mathematics: Applications for Real-world problems (Applied Sciences; February 2024; Online Mode)
- NSQF Aligned Curriculum Design and Implementation (CDC; December 2023; Online Mode)
- Effective Curriculum Implementation Using FOSS (CDC; January 2023; Online Mode)
- Artificial Intelligence – Concepts and Practices for Civil Engineers (Civil; October 2023; Contact Mode)
- Affordable Housing in Disaster Prone Areas (Civil; November 2023; Online Mode)
- Wellness and Meditation (EMGT; October 2023; Contact Mode)
- Stress Management (EMGT; January 2024; Online Mode)
- 5G and Beyond (ECE; February 2024; Online/Contact Mode)
- Free Simulators for ECE Lab Practices (ECE; March 2024; Online/Contact Mode)
- Cloud, Fog and Edge Computing (CSE; February 2024; Online Mode)
- Cyber Vulnerabilities and Safeguards (CSE; March 2024; Online Mode)
- Marketing in the "METAVERSE" Era (EDIC; October 2023; Online Mode)
- Innovation Management & IPR (EDIC; December 2023; Online Mode)
- Hands on Practices in Control of Electric Machines (Electrical; January 2024; Contact Mode)
- Big Data Analytics in Smart Grid (Electrical; February 2024; Online/Contact Mode)
- Self Help Group Development through Technical Interventions (Rural; November 2023; Online Mode)
- Organic Farming, Sweet Revolution and Permaculture (Rural; February 2024; Online Mode)
- Digital twinning of material processing technologies (Mechanical; February 2024; Online/Contact Mode)
- Designing for Consumer (Mechanical; February 2024; Online/Contact Mode)
- Empowering Digital Learning through AI Powered tools (Media; December 2023; Online/Contact Mode)
- AR VR Applications (Media; January 2024; Online/Contact Mode)
- How to Teach Emerging Engineering topics in Digital Era (IMEE; November 2023; Contact Mode)
- Branding of HEIs for Institutional Excellence (IMEE; December 2023; Online Mode)

Capacity Building

Prof. S K Dhameja and Prof. Niraj Bala participated in workshop on Transform your institution: The Power of Fab Labs and Explore the Network of Investors- Industry Partners and start-ups by Start-up Stairs at CII Chandigarh on 4-5 April 2023.

Dr. Mala Kalra, Dr. K. C. Lachhwani and Er. Amandeep Kaur attended two-week Industrial Training in Bangalore (CloudThat Technologies), Chandigarh (DRDO. SASE) and Gurdaspur (Verka Milkfed), respectively, during April-June 2023.

Two Jr. Secretarial Assistants, Sh. Vishnu Dutt and Sh. Jasbir Singh, attended a two-day Public Financial Management System (PFMS) Orientation Training Programme in June 2023.

Er. Kamaldeep, Er. Monika, Dr. Manisha Malik, Dr. Suniti Dutt and Mr. Prerak Mittal visited the IAF Heritage Centre in Sector 18, Chandigarh in May 2023 for educational visit on Virtual Reality (VR) and other media facilities.

Making a Difference

One patent granted to Dr. Amit Goyal for an innovation entitled “EARTHQUAKE RESISTANT VISCO- ELASTIC ENERGY DISSIPATOR LINK ELEMENTS” on 28th April 2023.

MeitY, New Delhi granted a project titled “Design and Development of System-on-Chip for Single-Lead Wearable Electrocardiogram for Medical devices” of amount Rs. 3,63,32000/- to CDAC Mohali, NITTTR Chandigarh, UIET Chandigarh, and SLIET Longowal. PI from NITTTR Chandigarh is Prof. S S Gill.

Prof. (Dr.) Rupinder Singh published a Text Book titled ‘Additive Manufacturing Solutions for Advance Veterinary Practices: Clinical Dentistry, Orthopedic and Drug Delivery Methods’ (in Press); Prof. Dr. Maitreyee Dutta edited one Text Book titled ‘IoT Enabled Computer-Aided Systems for Smart Buildings’ (Springer), Institute faculty published 14 papers in SCI indexed journals and 10 in International Conference proceedings.

Three Ph.D. scholars appeared for their final Viva-Voce examinations:

- Santosh Kumar Yadav, “An Efficient and Scalable Framework for Mobile Cloud Computing Environment”; Supervisor: Dr. Rakesh Kumar, Former Assistant Professor, Dept. of CSE, NITTTR, Chandigarh; Date of Viva-Voce: 08.05.2023
- Manisha Malik, “Development of Lightweight Cryptographic Primitives for Secure Communication in the Internet of Things”; Supervisor: Prof. Maitreyee Dutta, Professor & Head, Dept. of IMEE, NITTTR, Chandigarh; Date of Viva-Voce: 25.05.2023
- Navdeep Mor, “Macro Model for Prediction of Road Accidents in Selected Northern States in India”; Supervisors: Prof. Hemant Sood, Civil Engg. Dept., NITTTR, Chandigarh, and, Prof. Tripta Goyal, Civil Engg. Dept., PEC, Chandigarh; Date of Viva-Voce: 31.05.2023

Diversity & Knowledge Sharing

Six students and two faculty from NITTTR Chandigarh participated in the World's Largest Global Climate Clock Assembly and Display, organized by Energy Swaraj in collaboration with ATAL Innovation Mission (NITI Aayog) & AICTE on 22nd April 2023, to commemorate World Earth Day.



The Institute celebrated Labour Day on 1st May 2023 through an expert session by Col. B. M. Sabhlok. Races and a quiz competition were also organized for the faculty, staff and students on this occasion.

NITTTR Organized Poster Competition and Scrap to Wonders competition on 31st May 2023 and Nukkad Natak (street play) on 3rd June 2023, on the occasion of World Environment Day.



Doctors from the Homeopathic Medical College, Sector 26 Chandigarh, visited the Institute campus on 25th May 2023 for free Homeopathic Medical Camp.



The Institute celebrated World Bicycle Day on 5th June 2023. A cycle race was held in the institute in different age categories for the faculty, staff and wards of the Institute employees.



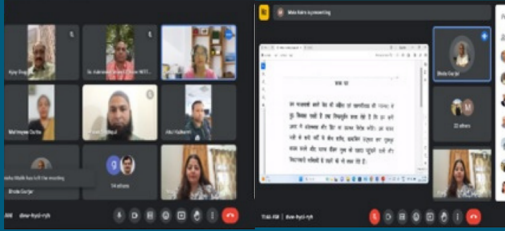
The 9th International Yoga Day, "Yoga for Vasudhaiva Kutumbakam," was joyously celebrated by the faculty, staff and students of NITTTR Chandigarh. A Five Days Yoga Camp was held in the Institute ground during 17-21 June 2023. On 21st June 2023, Yoga Competitions were held among participants for different age groups among Male and Female Category and an Expert talk on "Mental Health and its Significance" was also delivered by Dr. Shilpa Suri, Founder and CEO, SNM & Plant Psychology.

Diversity & Knowledge Sharing

A gender sensitization workshop was conducted for the faculty, staff and students on 6th June 2023 by External expert of ICC (Internal Complaints Committee) Ms Jyoti Choudhary, Advocate, Punjab and Haryana High Court.



The Institute observed Anti- Terrorism day on 21st May 2023. Observing the importance of the day, Director of the Institute, Prof. (Dr.) Bhola Ram Gurjar administered the pledge to all Deans, Professors, Faculty and Staff members to fight forces of disruption threatening human lives and values.



Prof. (Dr.) B. R. Gurjar, Director, NITTTR Chandigarh, honoured the winners of the 12th NITTTR Premier League organized by Institute from 21st April to 3rd May 2023.



Farewell and Best Wishes to...



Mr. Hem Raj
Section Officer
Served from 01.08.1985
to 30.04.2023



Mr. Ram Milan
MSA
Served from 25.10.1991
to 30.04.2023



Mr. Amar Singh
MSA
Served from 15.10.1991
to 30.04.2023



Mrs. R. Jayanthi
ASO
Served from 27.06.1986
to 30.06.2023

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National Institute of Technical Teachers Training & Research, Sector 26, Chandigarh-160019 (India)

Ph: 0172-2759500, fax: 0172-2793893

Email: director@nitttrchd.ac.in, diroffice@nitttrchd.ac.in

