

ABOUT THE WORKSHOP'S RECENT TRENDS IN NEXT-GEN SYSTEMS: INNOVATION AND APPLICATIONS'

The one-week Short-Term Course on **"Recent Trends in Next-Gen Systems: Innovation and Applications,"** organised by Dr. B.R. Ambedkar National Institute of Technology Jalandhar from 28th July to 1st Aug. 2025, concluded successfully with enthusiastic participation from over 100 individuals across academia and industry. The virtual program, conducted via Google Meet and sponsored by Agmatel Pvt Ltd, effectively delivered comprehensive insights into cutting-edge technologies, including Artificial Intelligence, Machine Learning, Quantum Computing, Blockchain, IoT, and 5G networks. Distinguished resource persons from reputed institutions and industry leaders shared valuable knowledge on real-world applications spanning healthcare, finance, manufacturing, education, smart cities, and cybersecurity, while emphasising critical aspects of AI ethics, data privacy, and sustainable technology development.

The course successfully achieved its fundamental objectives by equipping participants with essential Industry 4.0 skills such as data analytics, automation, and cybersecurity, while fostering meaningful academia-industry collaboration and knowledge sharing. Participants gained an understanding of leveraging next-generation systems for startup ventures and business innovation opportunities, with special focus on emerging R&D trends in AI, blockchain, and cloud computing. The program maintained high engagement levels throughout the week, with participants demonstrating keen interest in networking opportunities and technology applications. E-certificates were distributed to all participants maintaining above 80% attendance, marking the successful completion of this knowledge-sharing initiative that has strengthened the bridge between academic research and industry implementation in next-generation technological systems.

The following faculty coordinated for the above-proposed workshop.

Convener

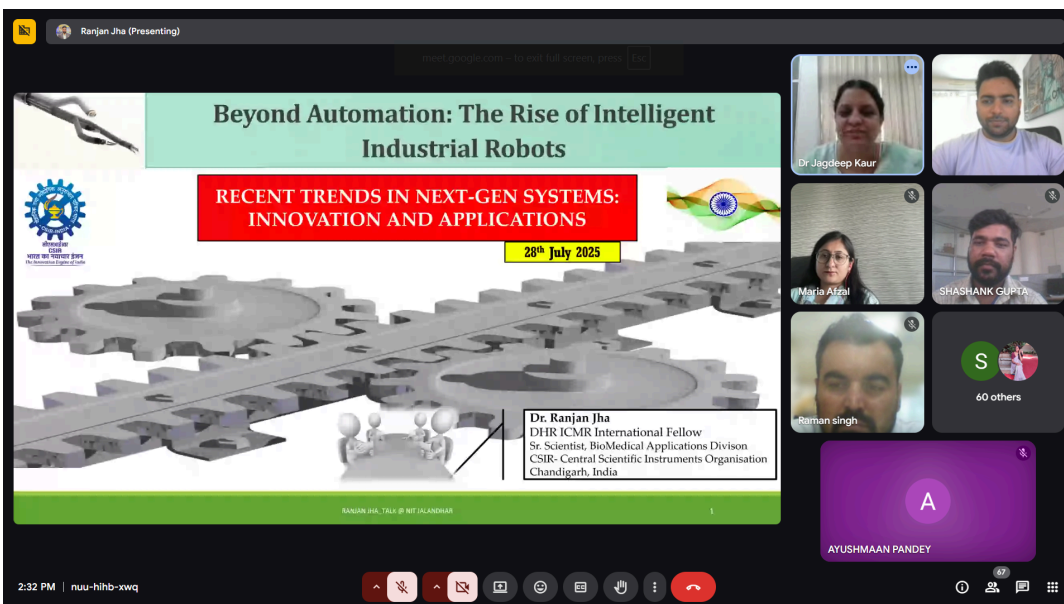
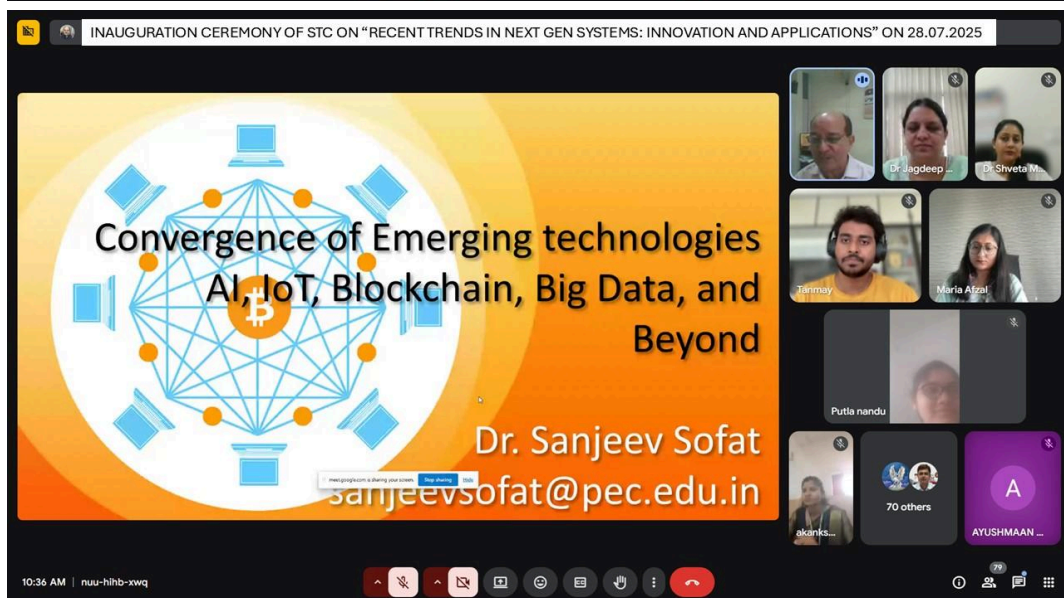
Prof. A.L. Sangal, CSE Dept.

Prof. Harsh K Verma, CSE Dept.

Coordinators

Dr Jagdeep Kaur, Asst. Prof., CSE Dept.

Dr Shveta Mahajan, Asst Prof., CSE Dept



Mayank Dave (Presenting)

CLOUD ARCHITECTURES AND SECURITY



Mayank Dave
Professor
Department of Computer Engineering
National Institute of Technology, Kurukshetra
July 30, 2025

Mayank Dave, NIT Kurukshetra

Dr. Jagdeep Kaur
Mayank Dave
Ms. Varsha...

Vijayasant...
Dr. Jyoti Ra...
PRIYA SHA...

Tanmay Sr...
40 others
AYUSHMA...

2:35 PM | nuu-hihb-xwq

Punjan Dohare (Presenting)

meet.google.com - to exit full screen, press Esc

Online Short-Term Course (STC) on "Recent Trends in Next-Gen Systems: Innovation and Applications"

Transforming Healthcare through 3D Printing and Computational Modelling

Dr. Punjan Dohare
Assistant Professor
Electrical Engineering Department
MANIT Bhopal

Punjan Dohare
Dr. Jagdeep Kaur

Shreya Nandi...
Maria Afzal...

55 others
AYUSHMAAN PANDEY

3:34 PM | nuu-hihb-xwq

Schedule for STC

क्र.स. S.No	विशेषज्ञ का नाम Name of Expert	पदनाम व सम्बद्धता Designation & Affiliation	आवृत्त विषय Topic Covered	अनुमानित तिथि/समय Date / Time
1.	Prof. Sanjeev Sofat	Professor, PEC, Chandigarh	‘Convergence of Emerging Technologies and Blockchain’	28th July 10:30 am-12:30 pm
2.	Dr Ranjan Jha	Sr. Scientist, CSIR-CSIO Chandigarh	‘Beyond Automation: The Rise of Intelligent Industrial Robot’	28th July 2:30 pm - 4:30 pm
3.	Prof Amitava Das	Sr Principal Scientist, CSIR-CSIO Chandigarh	‘Role of R&D in Industry 4.0: Drivers and challenges’	29th July 10:30 am - 12:30 pm
4.	Dr Punjan Dohare	Asst. Professor, Electrical Engineering Dept, MANIT Bhopal	‘Transforming Healthcare through 3D Printing and Computational Modelling’	29th July 3:30 - 5:30 pm
5.	Prof Neerja Garg	Pr. Scientist & Head, Intelligent Machines and Communication Systems(IMCS) Division, CSIR-CSIO, Sector 30-C, Chandigarh Dean (Mathematical & Information Sciences), Academy of Scientific and Innovative Research (AcSIR), New Delhi	‘Nondestructive Evaluation of Wheat/Millet Quality using NIR Hyperspectral Imagery’	30th July 10:30 am - 12:30 pm
6.	Dr Mayank Dave	Professor, CSE dept.. NIT Kurukshetra	‘Cloud Architectures and Security’	30th July 2:30 - 4:30 pm
7.	Dr. Rajeev Kumar	Asst.. Professor, CSE Dept., NIT Hamirpur	‘IoT Use Cases’	31st July 10:30 am - 11:30 am
8.	Dr T P Sharma	Assoc. Professor, CSE Dept., NIT Hamirpur	Exploring the Fusion of AI and IoT: Trends, tools, and Opportunities	31st July 2:30 - 4:30 pm
9.	Dr Anil Kumar Verma	Professor, Thapar Institute of Engineering and Technology	‘Blockchain Technology - Principles and Concepts’	1st Aug 10:30 am - 12:30 pm
10.	<i>Valedictory Ceremony</i>			1st Aug 2:30 - 4:30 pm