

Important Dates

Last date for registration : 19 January 2026

**Only limited participants are allowed;
No registration fee.**

Registration

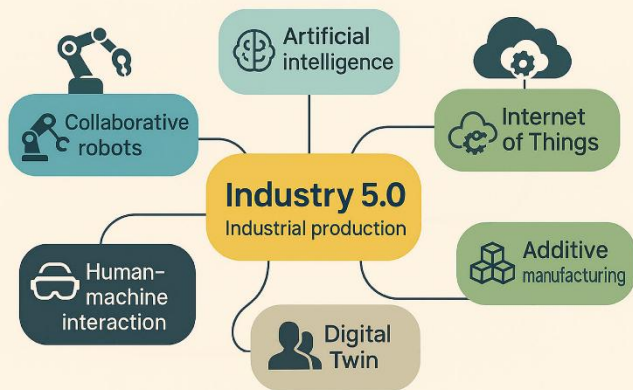


For registration, scan me

<https://forms.gle/JfEaFmDUIV98Aa4z7>

Contact :

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Email : rmanoharan@vit.ac.in



Chief Patron

Dr. G. Viswanathan, Chancellor, VIT

Patrons

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Dr. V. S. Kanchana Bhaaskaran, Vice Chancellor, VIT

Dr. Partha Sharathi Mallick, Pro-Vice Chancellor, VIT

Dr. Jayabarathi T, Registrar, VIT

Convenor

Prof. Kuppan P, Dean-SMEC, VIT, Vellore

Co-Convenor

Dr. K. Nanthagopal,

Associate Dean, SMEC, VIT, Vellore

Dr. Rajyalakshmi G,

HOD, Manufacturing Engineering, SMEC, VIT, Vellore

Dr. Jose S, HOD,

Thermal and Energy Engineering, SMEC, VIT, Vellore

Dr. Govindha Rasu N,

HOD, Automotive Engineering, SMEC, VIT, Vellore

Dr. Manikandan M,

HOD, Design and Automation, SMEC, VIT, Vellore

Co-ordinators

Dr. Manoharan R, SMEC, VIT, Vellore

Dr. Vasudevan R, SMEC, VIT, Vellore

Dr. Ashok B, SMEC, VIT, Vellore



VIT

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Two-day Workshop on "Digital Twin and Artificial Intelligence in Industry 5.0"

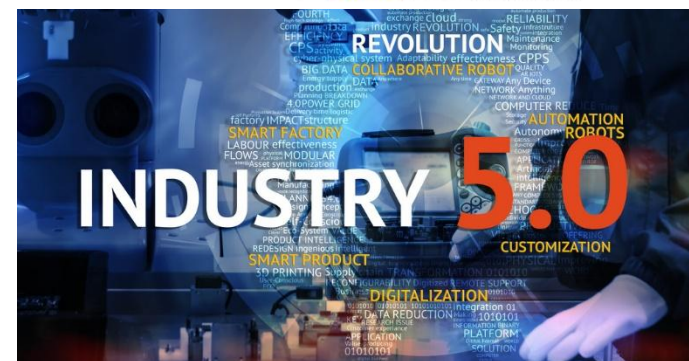
21st and 22nd January 2026
VIT, Vellore

ONLINE MODE

Supported by



European
Commission



Resource Persons

Dr. Abhishek Patange,

ABB Global Industry and Services Ltd, Bangalore

Ms. Akshatha Dayananda, Wipro3D, Bangalore

Mr. Gaurav Mapari, Pattern Inc., Pune, Maharashtra, India

Dr. Vasudevan R, VIT, Vellore

Dr. Manoharan R, VIT, Vellore

Dr. Ashok B, VIT, Vellore

Dr. Denis Ashok S, VIT, Vellore

Organised by

School of Mechanical Engineering,
Vellore Institute of Technology, Vellore, India

Vellore Institute of Technology (VIT)

Vellore Institute of Technology was founded in 1984 as Vellore Engineering College by the Founder and Chancellor Dr.G.Viswanathan. University status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives.

Ranking & Accreditation

VIT has emerged as one of the best institutes of India and is aspiring to become a global leader. Quality in teaching-learning, research and innovation makes VIT unique.

- ❖ Engineering and Technology: 142nd in the World and 9th in India (QS World University Rankings by Subject 2025).
- ❖ Data Science and AI subject areas are within the Top 100 in the world.
- ❖ Computer Science, Information Systems, Electrical, Electronics, Material Science subject areas are within the top 200 in the world (QS World University Rankings by Subject 2025)
- ❖ Within the top 2 in India and top 600 in the world (Shanghai ARWU ranking 2025)
- ❖ NAAC Accreditation with A++ grade (3.66 out of 4) Within the top 20 in University, Research and Engineering categories in India (NIRF Ranking, Govt. of India 2025)
- ❖ 396th in the world and 8th in India (QS World University Rankings : Sustainability 2025)

School of Mechanical Engineering (SMEC)

The School of Mechanical Engineering is one of the oldest and most prestigious schools of VIT. This school started functioning right from 1984, the year in which our institution began. The School of Mechanical Engineering offers 3 undergraduate and 6 post-graduate programs. The school has a team of highly qualified faculty members, many holding PhDs from elite institutes across the globe, to teach and train this country's best minds. The pride of the school lies in the significant research funding received from several National and International agencies such as DST, DRDO, MNRE, CSIR, CVRDE, CPDD, IE, AR&DB, BRNS, ISRO, UGC, NRB, Royal Academy of Engineering etc. The Department of Science and Technology, Govt. of India has recognized the school for its research activities and supported it in 2003, 2010 and 2022 under the FIST scheme. The school has modern facilities, enabling cutting-edge research in a wide spectrum of niche technological areas. The school is ranked 501-600 in the World as per THE World University Subject Ranking in 2024. Mechanical and Manufacturing Engineering is ranked within the top 10 in India and top 201-250 in the world as per QS World University Rankings by Subject 2024. This School got NBA accreditation on 2025 for 6 years.

About the Workshop

Complimentary to Industry 4.0, Industry 5.0 has emerged as a sustainable, human centric and resilient industry across the world and achieving Sustainable Development Goals (SDGs). A blend of communication, information and artificial intelligence is taking place to lay the foundation for emerging advanced technologies. The main objective of this value-added course is to impart the knowledge on Industry 5.0 and promote transdisciplinary approaches.

The various topics include:

- ❖ Evolution of Industrial Revolutions
- ❖ Building Blocks for Smart Manufacturing and Digital Technologies
- ❖ Artificial Intelligence and Machine Learning for Industrial Applications
- ❖ Digital Transformation: From Industry 4.0 to Human-Centric Industry 5.0
- ❖ AI-Driven Human-Machine Collaboration and Workforce Transformation
- ❖ Industry 5.0 Implementation, Advanced Technologies and Future Outlook
- ❖ Additive Manufacturing with Digital Twin



"Digital Twin and Artificial Intelligence in Industry 5.0"

