Important Dates

Last date for registration : 22nd June 2025

Only limited participants are allowed;
No registration fee.
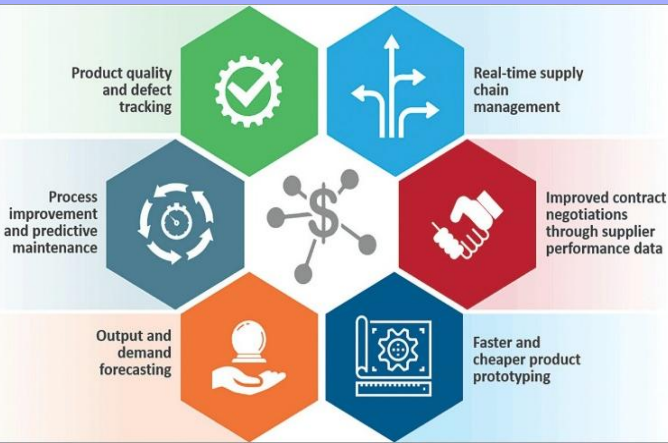
Registration

For registration, scan me

Contact :

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Dr. G. Viswanathan, Chancellor

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Co-Convenor

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HOD, Manufacturing Engineering, SMEC, VIT, Vellore

Prof. Govindha Rasu N,
HOD, Automotive Engineering, SMEC, VIT, Vellore

Prof. Jose S,
HOD, Thermal & Energy Engineering, SMEC, VIT, Vellore

Co-ordinators

Prof. Vasudevan R, SMEC, VIT, Vellore

Prof. Manoharan R, SMEC, VIT, Vellore

Prof. Ashok B, SMEC, VIT, Vellore

Prof. Mallikarjuna Reddy, SMEC, VIT, Vellore

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

Value Added Course on
Industry 5.0

June 23 - 27, 2025
VIT, Vellore

Online Mode

Supported by

Jointly Organised by

School of Mechanical Engineering,
Vellore Institute of Technology, Vellore, India
City St George's, University of London, UK
Wipro3D, Bangalore, 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. Deemed to be University status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives.

Ranking & Accreditation

Vellore Institute of Technology (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)
- ❖ Four subjects (CS & IT, data science & AI, EEE and material science) were ranked among the top 200 in the world (QS World University Rankings by Subject 2025)
- ❖ 10th best University, 13th best research institution and 11th best engineering institution in India (NIRF Ranking, Govt. of India 2024)
- ❖ 2nd in India and 501 - 600 in the world (Shanghai ARWU ranking 2024)
- ❖ NAAC Accreditation with A++ grade (3.66 out of 4)
- ❖ 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 5 post-graduate programs. The school has 166 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. The DST, 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 2025. 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 2025. B.Tech Mechanical Engineering Program received full accreditation from the NBA (2025-2031).

About the short course

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:

- ❖ **Introduction to Industry 4.0**
- ❖ **Building Blocks of Industry 4.0: Additive Manufacturing, Autonomous Robot, Artificial Intelligence, Augmented Reality, Virtual Reality, Big Data & Blockchain, IoT and Simulation**
- ❖ **Transitioning to Industry 5.0: Digital Transformation from Industry 4.0 to Industry 5.0**
- ❖ **Industry 5.0-Way forward for Human Workforce**
- ❖ **Industry 5.0 Implementation: Opportunities and Challenges**
- ❖ **Applications of Holography & 5D printing**
- ❖ **Industry 5.0: The future of the Industrial Economy**
- ❖ **Industry 5.0 and Role of cutting-edge technologies**

Labour

Systems

Products & Services

Supply Chain

Results of Networking

Human with machine

Cognitive cyber-physical

Individually personalized

Responsive & distributed

Greater customer experiences