Important Dates

Last date for registration : 07 June 2024

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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HOD, Manufacturing Engineering, SMEC, VIT, Vellore

Prof. Ashok B,
HOD, Automotive Engineering, SMEC, VIT, Vellore

Prof. Asokan M A,
HOD, Thermal & Energy Engineering, SMEC, VIT, Vellore

Co-ordinators

Dr. Vasudevan R, SMEC, VIT, Vellore

Dr. Ashok B, SMEC, VIT, Vellore

Dr. Mallikarjuna Reddy, SMEC, VIT, Vellore

Dr. Manoharan R, SMEC, VIT, Vellore

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

CITY
UNIVERSITY OF LONDON

Value Added Course on
"Digital Transformation from Industry 4.0 to Industry 5.0"

June 10 - 14, 2024
VIT, Vellore

Online Mode

Supported by BRITISH COUNCIL

Resource Persons

Dr. Sathiskumar A Ponnusami, City, UK
Dr. Rajkumar Roy, City, UK
Dr. Vasudevan R, VIT, Vellore
Dr. Ashok B, VIT, Vellore
Dr. Mallikarjuna Reddy, VIT, Vellore
Dr. Manoharan R, VIT, Vellore
Ms. Akshatha Dayananda, Wipro3D

Jointly Organised by

School of Mechanical Engineering,
Vellore Institute of Technology, Vellore, India
City, 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. 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 subject areas of VIT are the 212th best in the World and the 9th best in India, and Ten subjects of VIT are within the top 500 in the world (as per QS World University Rankings by Subject 2024)
- The 8th best University, the 11th best research institution and the 11th best engineering institution in India (NIRF Ranking, Govt. of India 2023)
- Ranked among the top 601-800 universities of the world (THE World University Ranking 2024)
- NAAC Accreditation with A++ grade (3.66 out of 4)
- The 163rd best Institution in Asia (QS - Asia University Rankings 2024)

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, CSIT, CVRDE, CPDO, 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.

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**