

# Transnational Education: Strategy Roadmap for Sustainable Development and Skill Enhancement towards Industry 5.0



**Principal Investigator**  
Dr. R. Vasudevan, Professor  
School of Mechanical Engineering



**Co-Principal Investigator**  
Dr. B. Ashok, Professor  
School of Mechanical Engineering



**Co-Principal Investigator**  
Dr. Mallikarjuna Reddy D., Professor  
School of Mechanical Engineering  
(SMEC)



**Co-Principal Investigator**  
Dr. Manoharan R., Professor  
School of Mechanical Engineering  
(SMEC)



**Principal Investigator**  
Dr. Sathiskumar Anusuya Ponnusami  
Associate Professor  
City, University of London, UK.  
\*\*\*

**Name of the Funding Agency**  
British Council, UK

**Name of the Scheme**  
Going Global Partnerships- Industry  
Academia Grant

**Sanctioned Amount (in Rupees)**  
Rs. 42,00,000  
Copyright © VIT

## Project Description

Overwhelming technological changes have taken place during the last two decades. The recent COVID-19 and Russia - Ukraine war have raised many new questions on future image of innovation ecosystems and need of Digital Transformation to become resilient organizations. Complimentary to Industry 4.0, Industry 5.0 has emerged towards a sustainable, human-centric and resilient industry across the world and achieving SDGs. A blend of communication, information and artificial intelligence is taking place to lay the foundation for emerging advanced technologies. The main objective of the proposal is to innovate excellence in teaching, market and disseminate Industry 5.0 and promote transdisciplinary approaches. The skill enhancement and training activities on “Industry 5.0 - Towards a sustainable, humancentric and resilient industries” will be imparted through organization of courses, workshops, technical symposium/seminar. The trainings address all enabling technologies of Industry 5.0 and equip the students with a neutral perspective to enable unbiased decisions. Academics and industrial working group at each partner institute will gather to identify and prioritize the skills to be covered, prepare the list of modules and courses that need to be covered and work out the learning outcomes of each module, followed by identification of the syllabus for each module. By the end of the training, the participants will become the decision-makers, designers, engineers, educators, business professionals and safety manager who wish to expand their knowledge about the applications of Industry 5.0 and the business implications and benefits of the innovative technology. This will enhance the skill and the job opportunities for the young engineers and graduates at various industries across the world.

Sponsored Research and Industrial Consultancy (SpoRIC)