



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



One-day International Workshop

on

“Creation of a smart curriculum and personalized method of delivery: An Industry 4.0 Perspective”

14th July 2023



Organized by

School of Information Technology and Engineering, VIT, Vellore

**In Collaboration with
School of Science & Technology, NTU, UK**



FUNDED BY:
BRITISH COUNCIL
GOING GLOBAL PARTNERSHIP GRANT 2022

VIT - A place to learn; A chance to grow

About VIT

VIT has made a mark in the field of higher education in India imparting quality education in a multicultural ambiance, intertwined with extensive application-oriented research. VIT was established in 1984 by the well-known educationist, and former parliamentarian, honourable Dr.G.Viswanathan, the Founder and Chancellor, a visionary who transformed VIT into a Centre of Excellence in higher technical education. It persistently seeks and adopts innovative methods to improve the quality of higher education in all fields of science and technology. As per QS World University Ranking 2023, in engineering and Technology, VIT stands 240th best in the World, the 9th best in India, and by Subject 2023: Computer Science and Information Systems, VIT stands under the band of 201-250, securing 8th rank in India. Also based on the same survey, eight subjects of VIT are within the top 500 in the world. It is ranked the 8th best University, 11th best Research institution, and the 11th best Engineering institution in India (NIRF ranking, Govt. of India 2023) and has got A++ in the 4th cycle of NAAC accreditation.

About SITE

The School of Information Technology & Engineering (SITE) emphasizes the fields of Information Technology, Software Engineering and Domain Specific Applications to facilitate the evolution of skills in students to help them to

attain a higher degree of knowledge, global competency, and excellence, for the betterment of the society. This school offers B.Tech, M.Tech, BSc, BCA, MCA and Ph.D., programmes.

Major areas of research include Image Processing, Machine Learning, Artificial Intelligence, IoT, Big Data, Software Engineering, Data Mining, Cloud Computing, Intelligence Systems, and Information Security.

The school's focus is on holistic learning to help the students to make significant contributions to the Information Technology industry and to serve society at large. The school has 182 committed faculty members, apart from many visiting professors, and working professionals from the industry and R&D organizations. The faculty members are highly motivated to do ground-breaking research and excel in teaching and learning processes. They provide opportunities for the students to apply the acquired knowledge in solving real-world problems and gaining undergraduate research experience. The placement record of the school is always remarkable.

The school has strong linkages with leading IT companies and research organizations. It has many industry-supported laboratories and a Centre of Excellence.

About the Project

The Project “Co-designing a ‘Smart Curriculum’ and ‘a method of Personalised Delivery’ for Inclusive Value-Added Courses on Industry 4.0 Technologies”

(IND/CONT/G/22-23/20) is being led by NTU, UK and funded by the British Council as part of the Going Global Partnerships – Industry Academia Collaborative Grant 2022-23. The objective of the project is to co-create a smart curriculum with industry, subject experts and quality assurers for developing VAC on Industry 4.0 Technologies. This project emphasizes on enhancing students’ skillsets in cooperation with industry to ensure student inclusivity, visibility and industry readiness.

About the Workshop

The workshop intends to discuss the role of Industry 4.0 and related enabling technologies in inculcating real-time problem-solving ability among students and explore various dimensions of personalised delivery beyond the scope of the traditional teaching-learning process. The need for innovation in learning and assessment to clarify concepts and develop critical thinking ability will be highlighted paving requirement for smart curriculum development. The impact of smart curriculum and the development of VAC to improve industry readiness among students will also be emphasized.

Resource Persons

- Prof. David Brown, Director of the Computing and Informatics Research Centre, NTU, UK
- Dr. Mufti Mahmud, Associate Professor, Computing and Informatics Research Centre, NTU, UK
- Dr. Pratik Vyas, Senior Lecturer, Computer Science, NTU, UK
- Mr. Nicholas Shopland, School of Science & Technology, NTU, UK
- Dr. Sumathy S, Professor & Dean, SITE, VIT, Vellore, India
- Dr. Sweta Bhattacharya, Associate Professor, SITE, VIT, Vellore, India
- Mr. Manikandan P, CTO, CodenPlay Robotics, Bangalore
- Mr. Vigneshwar Elangovan, Founder & CEO, VEMS Business Services Private Limited

Target Audiences

Academicians, Research Scholars & Industry Professionals

Registration link: <https://tinyurl.com/I4BCVAC>

Last date for registration: 10.07.2023.

No Registration Fee & Limited to 60 participants

Lunch will be provided to all the participants.

Venue: SJT G07

Date & Time: July 14th 2023 & Time: 9:30 AM – 5:00 PM

Contact

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Advisory committee

Chief Patron

Dr. G. Viswanathan Chancellor

Patrons

Mr. Sankar Viswanathan Vice President

Dr. Sekar Viswanathan Vice President

Dr. G. V. Selvam Vice President

Co-Patrons

Dr. Rambabu Kodali Vice Chancellor

Dr. Partha Sharathi Mallick Pro-Vice Chancellor

Dr. Jayabarathi T Registrar

Convenor

Dr. Sumathy S

Professor and Dean

School of Information Technology and Engineering

SITE, VIT Vellore, India.

Coordinators

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Dr. Sumathy S

Dr. Thippa Reddy G

Dr. Srinivas Koppu

Dr. Rajesh Kaluri

Committee members

- Dr. Praveen Kumar Reddy M
- Dr. Dharmendra Singh Rajput
- Dr. Kuruva Lakshmana
- Dr. Rajeswari C
- Dr. Nancy Victor
- Dr. Harshita Patel