Indian Institute of Information Technology Sri City

and

Middlesex University, UK

organises

UK–India Workshop on

Enhancing Employability of Higher Education graduate Students in Industry 4.0 (IoT, CPS, Wireless Systems, Digital Twins)

Friday, 15th July 2022

(Blended Mode – Online and In–Person@ IIIT Sri City)

Timing: 09:00 to 13:30 (UK)

13:30 to 18:00 (IST)

Virtual Meet Link

https://meet.google.com/edx–pivr–njj

Funded by the British Council's Going Global Partnership Exploratory Grant

https://sites.google.com/view/britishcou ncilukindiaworkshop/home

ABOUT THE UK-INDIA WORKSHOP

It is foreseen that Industry 4.0 is gaining popularity due to rapid improvements made in the cyber-physical and cyber-computing capabilities. In fact, the Indian Govt. has already made an enabling policy framework in 2019 and set up incentives for infrastructure development for industry 4.0. Globally, industries offering IoT solutions look for young and bright engineers who are well-aware of IoT, Digital Twin, autonomous systems and wireless communications technologies. Most of the IoT-based programs in India integrate it with Data Analytics, Cyber Security, Distributed System; focusing more on the computing aspects. However, sectors like transport, communications, utilities and energy require automation at its heart for making them resilient. Hence, it requires deep knowledge of connected devices, network security and seamless communication through the Internet to create Digital Shadow and Digital Twin.

This workshop would begin with the objectives of British Council, the emphasis on increasing employability; and then talk on creating different mechanisms for imparting state-of-the-art technological skills to the students The workshop would then present details of the different technological skills required to be gained and how it can be applied to different aspects of Industrial automation, particularly laying emphasis on how these skills would rule the industry for next decade or two.

AREAS TO BE COVERED

This is a first-of-its-kind workshop focused on enhancing the employability of the under-graduates and graduates in the higher education sector on the thematic area of Industry 4.0. The workshop would cover the importance of the industry preparedness of the graduates and also on imparting the required skills in the state-of-the-art technologies that would enhance the employability.

REGISTRATION DETAILS

- ☐ Workshop in Blended mode (participants can choose In-Person or Online)
- ☐ Up to **50 participants** from India can be accommodated in physical mode at IIIT Sri City.
- ☐ Accommodation and food to be provided for in-person attendees
- ☐ Workshop funded by the British Council's Going Global Partnership Grant
- ☐ Registration is mandatory for attending the workshop. Link:
     https://forms.gle/Y5YdbBnQQTbbnyjA7
- ☐ Certification of participation would be provided to all participants who attend the complete workshop

Chairpersons

Prof. G. Kannabiran, Director, IIIT Sri City, India

Prof. Balbir Barn, Academic Dean, Middlesex University, UK

UK-INDIA Workshop Coordinators

Dr. Purav Shah, Middlesex University, UK

Dr. Hrishikesh Venkataraman, IIIT Sri City, India

Key Speakers

➤ Dr. Mehmet Karamanoglu (Middlesex University, UK)
Connected Curriculum and advances in learning and teaching Engineers

➤ Dr. Andreea Molnar (Swinburne University of Technology, Australia)
Developing Hands-on Skill-Sets and Impact on Learning

➤ Dr. Huan Nguyen (Middlesex University, UK)
Digital Twins and its trends towards industrial automation

➤ Dr. M Zaki Ahmed, (Pulsiv, UK)
A route to sustainability and resilience via Electronics Engineering

➤ Mr. Nagaraju Chikoti (Micron Technologies, India)
Data Analytics for Digital Twin and Industry 4.0

➤ Ms. Pallavi Malhotra (Huawei, Western Europe, UK)
Talent Alliance and Employability

➤ Dr. Rajagopal Nagarajan (Middlesex University, UK)
Security in IoT/Cyber Physical Systems

Workshop Contact Details

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About MIDDLESEX UNIVERSITY,UK

MU is an international institution with franchise campuses globally across Dubai, Mauritius and Malta. The Faculty of Science and Technology brings together leading academics from a wide variety of backgrounds, working together to ensure that broad perspectives of systems are used, to challenge thinking and formulate approaches to science, engineering, design and analysis that are fit for purpose in our modern world.

About IIIT SRICITY,INDIA

Indian Institute of Information Technology Sri City Chittoor (IIITS) was established by Government of India as an Institute of National Importance under the Act of Parliament The curriculum of IIIT Sri City follows practice-theory-practice approach along with a special focus on UG-Research through a unique Honors program. The institute also offers MTech program along with Full-time and Part-Time PhD programs. IIITS is one of the few IIITs to be part of Design Innovation Center scheme, the Gyan Circle Ventures through different schemes by Government of India, to promote innovation and deep-tech entrepreneurship. For further details, please visit www.iiits.ac.in