

Date: March 07 - March 09, 2019



Organized by
Faculty of Engineering and Technology

Convener

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ABOUT THE INSTITUTION

SRMIST is one of the top ranking Universities and most premier engineering destinations in India with over 50,000 students and 3,200 faculty members. SRM IST offers a wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medical & Health Sciences, Law, Science & Humanities and Agricultural Sciences. SRMIST has been classified as Category I university by MHRD / UGC. The Institute has been accredited with the highest "A++" grade with a CGPA of 3.55/4.0. SRMIST was ranked at 41 among Indian Universities by NIRF 2018. The Institution has grown up through international alliances and collaborative initiatives to achieve global excellence. Over 150 students per annum are sponsored for 35 foreign Universities like MIT, Carnegie Mellon, UC Davis, Warwick and Western Australia.

The programmes B.Tech Civil Engineering, B.Tech Mechanical Engineering, B.Tech Electrical and Electronics Engineering, B.Tech Electronics and Communication Engineering, are accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> and B.Tech Information Technology program of Kattankulathur Campus is accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>. The Institution of Engineering and Technology (IET) accredited B.Tech program of Automobile Engineering, Computer Science and Engineering, Software Engineering and Electronics and Instrumentation Engineering offered in Kattankulathur Campus.

To bridge the gap between Industry and Academia, the faculty of engineering and technology is partnering with industries to train students and faculty members. The Experts from Wabco and India pistons offer one credit course for the benefits of students to learn the best industrial practices. Recently Wabco India Limited established a WABCO-SRM Smart Factory at a cost of one million INR for upskilling students and work-force in the area of Industrial IoT. Zoller India Pvt Ltd established a ZOLLER-SRM Professional Center for Tool Management Solutions at a cost nine million INR to train in TMS. Centre of Excellence in Automation Technologies was established with the support of Bosch Rexroth India at a cost of 60 Million INR.

ABOUT WORKSHOP:

The global manufacturing sector over the recent years has taken a significant shift with the 'Fourth Revolution in Manufacturing' - moving towards the Industry 4.0. The convergence of industrial production and information and communication technologies is called Industry 4.0. It is currently one of the most frequently discussed topics among practitioners and academics.

"Make in India" initiative is spearheading wider adoption of 'Industry 4.0'. The transformative journey of manufacturing through Industry 4.0 has already begun in the country. SRMIST works to create and sustain an environment conducive to the development of India, by partnering with industries. SRMIST has been actively taking initiatives to bring Institutions and Industries together in addressing the prevailing concerns in the education, skill and job verticals. One such initiative is a Three Days Workshop on Industry 4.0 where the students are trained in cyber-physical systems. It provides the perfect blend of theory with hands-on approach to keep students on par with the technology revolution. This workshop is organized with the support of industry partners Nokia Networks Solution Pvt Limited, Oragadam.

Objective

To create awareness among our students about digital transformation and to equip them with necessary future skills.

Speakers:

Dr. D. Kingsly Jeba Singh, Professor and Dean, School of Mechanical Engineering

Dr. M. Gopal, Professor, Department of Mechanical Engineering

Dr. Revathi Venkataraman, Professor, Department of CSE

Dr. G. Murali, Professor and Head, Department of Mechatronics Engineering

Dr. P. Eswaran, Associate Professor, Department of ECE

Dr. R. Senthilnathan, Associate Professor, Department of Mechatronics Engineering

Dr. Ranjeet Kumar Sahu, Research Associate Professor, Department of Mechanical Engineering

Mr. R. Ranjith Pillai, Assistant Professor, Department of Mechatronics Engineering

Focus Sessions:

- ★ Demystifying Industry 4.0
- ★ Industry 4.0 Implementation
- ★ Cyber physical system
- ★ Robotics in Industry
- ★ Cyber security
- ★ AR/VR
- ★ Cloud computing
- ★ Additive Manufacturing
- ★ Lean Principles
- ★ Industrial Visit to Nokia
- ★ Training in WABCO-SRM Smart Factory

Eligibility:

Second and Third year B.Tech / First year M.Tech students of Mechanical, Mechatronics, Automobile, Aerospace, EEE, ECE, EIE, CSE, IT and SE who are creative, interested in collaborative work and willing to do interdisciplinary projects in industry to produce new products and services.

Follow-up:1. After the workshop, participants will be given an opportunity to collaborate, design, build and operate a cyber physical systems/ digital twin to enhance the WABCO-SRM Smart Factory. The submitted proposal will be screened by experts from NOKIA for their merits. ALL selected proposals will be awarded with cash prize (Rs 5000/-) and a certificate.

2. Selected students will be permitted to do final year project works in industries who have initiated implementation of Industry 4.0.

Important Dates

Last date for receiving application: March 01, 2019

Intimation to the applicants : March 04, 2019

Workshop dates : March 07 - March 09, 2019

**Registration : Fee: Rs 500/
<http://bit.do/14-0>**

