

REGISTRATION

All the participants are requested to register through the link <https://www.aicte-india.org/atal>

GUIDELINES

There is no registration fee

All the faculty Research scholars and PG students from AICTE approved institutions are eligible for this FDP.

The program will be conducted through online platform.

Last date for registration is 4-01-2021. Participants will be selected on first-come first-served basis.

Selected candidates will be intimated by email only.

A test will be conducted at the end of the program in the form a quiz.

Those who have an attendance of minimum 80% and score more than 60% in the test will be issued a digital certificate by the ATAL Academy.

ADDRESS FOR COMMUNICATION

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Prof. A.Vimala Juliet, Head, Department of Electronics &
Instrumentation Engineering, SRMIST

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A FIVE-DAY ATAL online Faculty Development
Programme

on

LAB ON CHIP - Smart Materials, Micro Devices,
Fabrication Techniques and Characterization for
Emerging Applications

Jan 18-22, 2021

Sponsored by

AICTE, NEW DELHI

Under

AICTE Training and Learning (ATAL) Act



DEPARTMENT OF ELECTRONICS &
INSTRUMENTATION ENGINEERING
Faculty of Engineering and Technology
SRM Institute of Science and Technology
Kattankulathur – 603203
Chengalpattu (DT), Tamilnadu.

ABOUT THE INSTITUTE

SRM Institute of Science and Technology (formerly known as SRM University) is one of the top-ranking Universities and most premier engineering destinations in India, which was established in 1985 by the Founder Chancellor, Dr. T.R. Paarivendhar. Now it is functioning in four campuses located at Kattankulathur, Vadapalani, and Ramapuram in Tamilnadu and Modi Nagar in Ghaziabad with over 52,000 students and 3200 faculty members. It offers a wide range of programs to students applying for undergraduate, post-graduate and doctoral programs in Engineering, Management, Medicine & Health Sciences, Law, Science & Humanities and Agricultural Sciences. The Institution has moved up through international alliances and collaborative initiatives to achieve global excellence. SRMIST International Advisory Board (IAB) is actively involved in building a stronger international dimension in research and teaching methodology, which creates avenues for research and successful careers. The SRMIST also collaborates with foreign Universities like MIT, Carnegie Mellon University (CMU), Pittsburg University, etc. offering a postgraduate academic program MSIT-ESE. Over 200 students sponsored to 35 foreign Universities like MIT, Carnegie Mellon, UC Davis, Warwick, and Western Australia. Now the Institute enjoys an unsurpassed reputation in academia and corporate circles being the preferred workforce source for vision to be recognized as a world-class learning institution. SRMIST has been categorized as Category I University by the (MHRD), GoI. It enjoys 12 B status too. SRMIST is accredited by NAAC with A++ Grade and placed in second position in ARIIA (2020) and within top 50 Ranks in NIRF2020 under the categories of University, Engineering, Pharmacy, Medicine, Management, and Dental.

ABOUT THE DEPARTMENT

The Department of Electronics & Instrumentation Engineering was started in the year 2007-08. Our major emphasis of imparting technical training is to encourage curiosity and innovation among our students and lay a foundation from where they can acquire quick learning

ability and adapt with the fast-changing needs of the industry. The scope of Electronics & Instrumentation Engineering is vast and fast growing to cater the needs of manufacturing and process industries. Our Department faculty have published more than 40 patents and have received various DST, SERB, BRNS and MHRD funded projects. The Department is accredited by IET and has been recognized by IASC - Sector Skill Council - Affiliated to Ministry of Skill Development and Entrepreneurship, Govt. of India in 2018.

The Major contents of the program are:

- Sensor modules for biomedical applications
- A stretchable smart and highly efficient [RF](#) antenna
- Advanced Nano Device
- Research experiences in development of Sensors
- Design and Analysis of Micro-Heaters
- Actuators
- Modelling and Analysis for Micro-Channel Device
- Small is different
- Bio MEMS
- RTL to GDSII flow
- Design and characterization of MEMS thermal actuator
- Microfluidics
- Research issues in RF MEMS
- MEMS Devices
- Application of MEMS

ABOUT THE PROGRAM

The aim of this FDP is to impart you research challenges in micro device fabrications, selection of materials, design etc., and various topics which will be very useful for faculty members and research and professionals. This FDP covers wide range of topics in this research area.

Schedule:

18 th Jan 2020 Microfluidics	Dr. Panwala Fenil Chetankumar Department of ECE, SIT, Karnataka
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RTL to GDSII flow	Ms. Rashi Pandey SoC Design Engineer at Intel Cooperation Bangalore, Karnataka
Application of MEMS in Industry	Dr. Moorthy Pichumani, Department of Nanotechnology, Sri Ramakrishna Engineering College
19 th Jan 2020 Sensors Technology and Development	Dr. Veda Sandeep, Senior Scientist TNI, University college cork Ireland
Advanced Nano Device	Prof. Amit Agrawal, Professor, IIB Mumbai
Small is different	Dr. Kanthamani Associate Professor, TEC
20 th Jan 2020 Materials selection	Dr. Helen Annai Therese Associate Prof., SRM IST
Sensor modules for biomedical applications	Dr. Ramakrishnan Dept of ECE, SRMIST
A stretchable smart and highly efficient RF antenna	Dr. Anitha VR Sree Vidyanikethan Engineering College
21 st Jan 2020 MEMS Sensors and Instrumentation	Dr. Nitin Kale, CEO Nanoshiff
Research experiences in development of Sensors	Dr. Abhay A. Sagade. (Research), SRM IST
Fabrication and characterization of devices	Dr. E. Paul Braineard IIIT Sri City, Chittoor
22 nd Jan 2020 Body Mind Coordination	Mr. Nanda, BMC Wellness
Research issues in RF MEMS	Dr. Rama Komaragiri, Dean, Academic Affairs Bennett University, Nodia
Design and Analysis of Micro actuators, pressure sensors...	Dr. L. Sujatha, Professor in the Department of ECE, REC