

KTU -Faculty Development Program

on Emerging Trends and Future Applications of
Microelectronics & MEMS

20th June - 25th June 2019

REGISTRATION FORM

Name :
Gender :
D.O.B & Age :
Designation:
Institution :
Qualification :
Experience in Years :
Address for Communication. :

Mobile No :
E-mail ID:
Preferred Cuisine : Veg./Non-Veg
Accommodation Required(Payment Basis): Yes/
No

[online regn. link:
<https://forms.gle/UHxgTttK4VUWZpV99>]

Sponsorship Certificate

Mr/Mrs./
Dr _____
is an employee of our Institute/College and is
hereby sponsored for attending the KTU-faculty
development program on "Emerging Trends and
Future Applications of Microelectronics &
MEMS" from 20th June to 25th June 2019 at
SCT College of Engineering Trivandrum. He/
She will be permitted to attend the course if
selected.

Place: Signature of

Date: the sponsoring authority with seal

Patrons:

Sri. K. R. Jyothilal IAS, Principal Secretary
(Transport)

Govt. of Kerala

Prof(Dr.) K. Prabhakaran Nair, Principal,
SCTCE

Prof(Dr.) Libish T. M., HoD, E&C Dept.
SCTCE

Coordinators:

Ms. Nisha Jose K.

Associate Professor in E&C Engg.

Ms. Aparna P. R.

Assistant Professor in E&C Engg.

Contact details:

Mobile Numbers: 9446149873/

9447715710

Email: nisha@sctce.ac.in

College website: <https://www.sctce.ac.in/>

Important dates:

Last date for registration: 15th June 2019

Intimation of selection: 16th June 2019

College Location (Plus code for Google Map):

FXCH+6Q Thiruvananthapuram,



APJ Abdul Kalam Technological
University (Kerala Technological
University)

sponsored

Faculty Development Program
on

Emerging Trends and Future
Applications of Microelectronics
& MEMS

20th June to 25th June 2019

Organised by

Department of Electronics &
Communication Engg.

SCT College of Engineering,
Pappanamcode,
Thiruvananthapuram 695018



About the course:

Microelectromechanical Systems (MEMS) applications in RF and microwave electronics are on the verge of revolutionizing wireless communications. It can be said that the field of MEMS was originated by the late Richard P. Feynman back in 1959 when he made the observation “there is plenty of room at the bottom”. The field of miniaturization lay dormant until the advent of integrated circuit (IC) fabrication technology, in the 1960's. techniques had still to be developed for microstructure generation, because an IC extends in 2-dimensions (2-D), but a mechanical structure is 3-D in nature. Key to the successful deployment of MEMS technology in commercial markets is its cost effective integration with existing integrated circuit fabrication processes and microelectronics. This course covers the MEMS and microelectronics fabrication, along with advanced application areas of MEMS such nano sensors, MEMS gyros and accelerometers, RF MEMS and optical MEMS, and reduced order modelling of MEMS systems.

Areas covered:

Design Trends in MEMS

Radio Frequency MEMS

Nano mechanical Sensors and MEMS

Accelerometers

Nano structure based Gas Sensors

Optoelectronics & Optical MEMS (MOEMS)

Reduced Order Modelling of MEMS

Resource Persons:

Experts from IIST and engineering college faculty will engage classes.

About the organising institution:

Sree Chitra Thirunal College of Engineering was established in 1995 under Department of Transport Government of Kerala with it being the first college in south India to offer a BTech program in Automobile Engineering. It also became one of the seven colleges in Kerala State to have come under the first phase of Technical Education Quality Improvement Program (TEQIP) of Government of India.

The college has the distinction of being one of the few colleges in Kerala to get accredited in early 2000's. Currently, four BTech programs are NBA accredited.

The department of electronics and communication is accredited by NBA with an intake of 120 BTech students, an MTech degree in Signal Processing and is also a research centre under KTU.

This Kerala Technological University sponsored faculty development program is being organised by Department of Electronics and Communication Engineering of SCT College of Engineering.

How to apply:

Advance registration for the course can be done through the link:

<https://forms.gle/UHxgTttK4VUWZpV99>

The hard copy registration application form in given format along with sponsorship certificate should be produced when the selected participants come for attending the program. Scanned copies of the above documents should also be submitted to the e-mail address for correspondence while applying for the course online.

Who can apply:

This being an interdisciplinary course, faculty from AICTE approved Engineering Colleges from all disciplines can apply. Number of participants is limited to 30.

Registration fee:

Registration is free for faculty from KTU affiliated engineering colleges.