



*One day workshop
on
Thin film growth, Characterization and Device
fabrication*



*Organized under
DST-FIST Lab On MEMS and Chemical Sensors
School of Electronics Engineering, VIT Vellore.
&
School of Advanced Sciences, VIT Vellore.*

Lecture (9.30 am - 12.30 pm)

Dr. Samir Ranjan Meher
Associate Professor
Department of Physics
VIT – Vellore

- * Thin film growth and kinetics
- * Deposition & Characterization techniques

Hands on Session (1.30 pm - 6.00 pm)

- * Magnetron Sputtering
- * Thermal Evaporation
- * Spectroscopic Ellipsometry
- * DC Probe Station
- * LCR Meter
- * Spin Coating
- * VOC Sensing

About Workshop

The primary objective of this workshop is to provide students, researchers, scientists, engineers, and industry with a golden opportunity to gain an in-depth understanding of the development and characterization of thin films. The workshop provides a comprehensive overview of the principles, techniques, and applications involved in the growth and characterization of thin films. By focusing on thin film deposition techniques and their associated characterization techniques, the workshop aims to inspire attendees to appreciate the exotic properties of thin films and their critical role in creating new and exciting technologies, particularly in the field of Photovoltaics, Gas sensors and Self-cleaning smart windows. In particular, it is an exciting combination of science, engineering, and technology designed to inspire and empower students and faculty from various disciplines.

Registration Link - <https://events.vit.ac.in/>

Date: April 5, 2024

Time: 9.00 am - 6.00 pm

VIT, Vellore

**Registration Fee - Rs. 350
(including GST)**

Max. No. of Participants - 30

Coordinators

Dr. Samir Ranjan Meher
Dr. Elizabeth Rufus
Dr. Zachariah C Alex
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Organizing Committee (Research Scholars)

Mr. Jayanandhan T
Mr. Muthukumar M
Mr. Afzal Basha M I
Mr. Sreekanth R
Mr. Manivannan P
Ms. Harini V K
Mr. A L G N. Aditya
Mr. Subramanyan N