



CENTRE FOR ADVANCED STUDIES

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY

2-Days Online Workshop

on

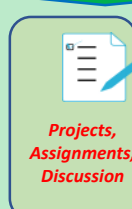
Laboratory Techniques for Nanomaterials Synthesis and Characterization



Highlights



Course
Completion
Certificate



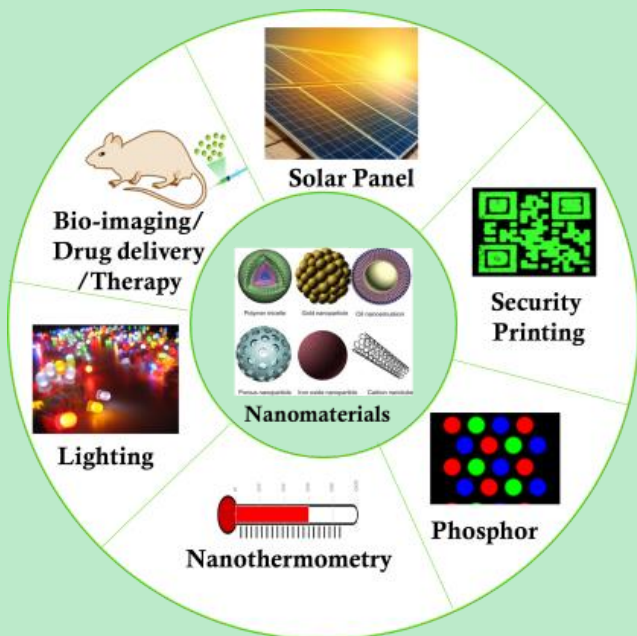
Projects,
Assignments,
Discussion



Experts led
Training



10+ hours
Online
training



Free Registration
Last Date of Registration:
2nd July 2022

Registration Link:
<https://cas.res.in/workshopreg.html>

Coordinators

Dr. Chandresh K. Rastogi
Assistant Professor, CAS



Dr. A. V. Ullas
Assistant Professor, CAS



Duration : 2-days
Date: 7th- 8th July, 2022
Timing: 10:30 am – 4:30 pm
Eligibility: B. Tech (3rd and 4th Year ME/CHE/MME/ECE/CE) and M.Sc. Chemistry/Physics/Polymer Science
Mode: Offline
Number of Seats: 30

Organizing Committee
Ms. Monika Singh
Mr. Vipul Vaibhav Mishra
Mr. Mukul Saxena

- Contents**
- ✓ Introduction to Nanoscience and nanotechnology
 - ✓ Nanomaterials preparation methods: Chemical synthesis methods (sol-gel, hydrothermal, electrospinning and microwave assisted synthesis, etc)
 - ✓ Thin film deposition
 - ✓ Characterization of nanomaterials (e.g., X-ray diffraction (XRD), scanning electron microscopy (SEM), surface area analysis (BET), thermogravimetric analysis (TGA))