



# WEBINAR on

## Advance Material Characterization 2021

18<sup>th</sup> -19<sup>th</sup> March 2021 10 am – 12pm



Nano Manufacturing Technology Centre  
Central Manufacturing Technology Institute, Bangalore

### Speakers

Murugan A, Scientist C  
Sarmistha Dhan, Scientist C  
Kumar Abhinav, Scientist C  
Basavaraju U, Sr. Tech Asst  
Dr. Aravinda L S, Sr. Tech Asst

### Key Elements

- ✓ Electron Microscopy (SEM, TEM)
- ✓ Scanning Probe Microscopy (STM, AFM, etc)
- ✓ Optical Characterization (Optical Profiler, FTIR, Raman, Ellipsometry, Confocal)
- ✓ Particle Size Analysis
- ✓ Mechanical Characterization ( Nano Indentation, Micro Hardness Testing) & Rheology
- ✓ X-ray diffraction (XRD)
- ✓ Surface Area analysis (Chemisorption and Physisorption)

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