

# **Five Days Workshop on Advanced Material Characterization**

Date: 10<sup>th</sup> to 14<sup>th</sup> June 2019

Venue: PSG Techs COE Indutech, Avinashi road, Neelambur, Coimbatore - 641062.

Participants: Research Scholars and Faculty Members from various institutions

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The Five Days Workshop on ‘Advanced Material Characterization’ was held at PSGTECHS COE INDUTECH, Neelambur, Coimbatore, from 10<sup>th</sup> June 2019 to 14<sup>th</sup> June 2019. The program was held from 10 am to 4 pm on all the five days.

The workshop started with an introduction by Mr R P Cherian, Consultant, PSGTECHS COE INDUTECH, explaining the facilities available at COE. Then Mr V Muthukumar, Project Engineer – Testing, PSGTECHS COE INDUTECH, showed the participants, the manufacturing facilities and the testing facilities available at COE

FTIR Spectrophotometer was explained in detail and demonstrated to the participants on 10<sup>th</sup> afternoon. On next day XRD (Wide Angle X Ray Diffraction) was demonstrated with samples of participants. Dr R Arun Kumar, Associate Professor (Physics) of PSG College of Technology, explained the theory behind the XRD analysis.

FE-SEM (Field Emission Scanning Electron Microscope) was explained to the participants on 12<sup>th</sup> June by Mr G Selvakumar, Assistant Professor (Research), PSGTECHS COE INDUTECH. On 13<sup>th</sup> June ‘Simultaneous TG-DTA / DSC Apparatus’ and Tensile Strength Tester were explained and demonstrated.

Process Tensiometer and UV Spectrophotometer explained and demonstrated with samples on 14<sup>th</sup> June.

The participants found the workshop “Very Useful” and wanted to recommend the program to others

