

## workshop Report

Date: 18-09-2025

Venue: VIT University, Amaravati

Organized by: School of Advanced Sciences

The Department of physics , the faculty , II B.Sc physics and III B.Sc Maths students attended a One-Day Workshop on Materials Characterization Techniques with Live Demonstration at VIT University, Amaravati on 18th September 2025.

In the workshop, students learned the practical applications of instruments such as the LCR Meter, Spectrometer, and X-Ray Diffraction (XRD) system, study of microscopes. The live demonstrations helped us understand how these tools are used for analyzing electrical, optical, and structural properties of materials.

Students gained knowledge about hydrogen cars, green energy technologies, and advanced fields of material science, which broadened our understanding of sustainable research and future innovations.

The sessions were highly informative and interactive, providing both fundamental concepts and advanced-level exposure to modern scientific practices.

We sincerely thank the School of Advanced Sciences, VIT University, for organizing this workshop and giving us the opportunity to enhance our knowledge and skills.





