

Guest Lectures in the Department of Mechanical Engineering

Department of Mechanical Engineering has organized two guest lectures for the faculty and research scholars in AGF 06, on 16th March 2019. In one session, Dr.M.Jagannatham, Research Manager, TVS Wheels India Ltd presented a lecture on “Practical uses and basic concepts of Transmission Electron Microscopy and X-ray Diffraction Techniques in the Synthesis & Characterization of Carbon nano materials based Hybrid Structures”. Dr. Jagannatham presented about preparation of nano particle samples and their characterization using different equipment such as Transmission Electron Microscopy (TEM) and XRD. He also discussed the applications of Carbon nano materials and their hybrid structures, production of Carbon nano tubes from plastic bottles using some innovative techniques.

In another session, Dr.ArunDavalUdai, Assistant Professor in the Dept.of Mechanical Engineering, BITS, Mesra (Ranchi) presented a talk on “Inverse Kinematic Analysis for parallel Manipulators”. Dr. Arun has been working on study of joint motion and generation of joint motion profiles/paths using inverse kinematic equations. He discussed the importance of the study with the participants and the scope of improving the joint performance using different numerical simulations techniques using Matlab.

Dr.Jagannatham and Dr.Arun were felicitated by the staff of the department for sharing their knowledge with the students and scholars.