

RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
Academic Year 2019-2020 (Odd)

Hands on Training and Technical Talk on Modern Surface Coating Technology

05.08.2019

The Department of Mechanical Engineering of Ramco Institute of Technology, Rajapalayam has organised hands on training and technical talk on “Modern Surface Coating Technology” in Surface Engineering for students those who are pursuing value added course MVA009 – Surface Coating Technology and Indian Welding Society Students Members on 03.08.2019 (Saturday) during 2.00pm to 5.00pm.

The Expert Speaker Dr. M.Adam Khan, Post-Doctoral Research Fellow, University of Johannesburg, South Africa delivered the lecture on topic “Modern Surface coating Technology” in Surface Engineering and handled sessions on “hands on training on surface coating technology”. 42 students’ members have attended the session. The Faculty Coordinator Mr.S.Maharajan, AP/Mechanical welcomed the expert speaker and gatherings.



The following Topic were covered in this session:

- Fundamentals of chemistry concept related to surface engineering
- Galvanisation process, Electro chemistry
- Corrosion behaviour on surface of the metals.
- Corrosion in human implants
- Surface coated metals used in different applications like Gas turbines blades, Air craft industry (Defence System), Light Combat vehicles, Gas and oil pipe line industry, Power plant and High temperature application materials.
- Plasma Spray Deposition Process
- Thermal Barrier coating
- Thermal Spray deposition
- Surface characterization