

**Training program NITJ**  
**FINAL REPORT**  
**6<sup>TH</sup> FEB TO 12<sup>TH</sup> FEB 2023**

**Day 1:- 06/02/2023**

At 9 am the program started with the registrations process of candidates and also distributions of stationary to the participants. Then program has been started with national song followed by inauguration by key guest honors From 12 to 1 PM Theory session on MTS Servo Hydraulic 250 kN Fatigue Testing System was taken up by Dr. Raman Bedi Theory session on Concentrated Solar Air Heater with Passive Tracking Mechanism and Corrugated Receiver was taken up by Dr. Srinivas Tangellapalli from 1 30 to 3 30 PM. The Theory Session on Drop Shape Analyzer was taken up by Dr Vickramjeet Singh from 3 30 to 5 30 PM.

**Day 2:- 07/02/2023**

In the morning 9 to 11 AM Theory session on Rapid Chloride Permeability Tester was taken up by Dr Navdeep Singh/ Dr Kanish Kapoor Theory session on SEM was taken up by Dr. Raman Bedi from 11AM to 1 PM. In the afternoon session Batch A: Hands-on Training on MTS Servo Hydraulic 250 kN Fatigue Testing System was explained by Dr. Raman Bedi, Venue: Ground Floor, Dept. Of Mechanical Engg. And Batch B: Hands-on Training on MTS Servo Hydraulic 250 kN Fatigue Testing System was explained by Dr. Raman Bedi, Venue: Ground Floor, Dept. Of Mechanical Engg, Batch B: Hands-on Training on Concentrated Solar Air Heater with Passive Tracking Mechanism and Corrugated Receiver was explained by Dr. Srinivas Tangellapalli), Venue: Dept. of Mechanical Engg 2nd floor and Batch A: Hands-on Training on Concentrated Solar Air Heater with Passive Tracking Mechanism and Corrugated Receiver was explained by Dr. Srinivas Tangellapalli, Venue: Dept. of Mechanical Engg 2nd floor from 1 30 to 5 30 PM

**Day 3:- 08/02/2023**

In the morning 9 to 11 AM Theory session on Particle Size Analyzer was taken up by Dr Shailendra Bajpai. The Next Theory session on Atomic Absorption Spectrophotometer was taken up by Dr. Rohit Mehra from 11AM to 1 PM. BATCH A Hands-on Training on Drop Shape Analyzer was explained by Dr Vickramjeet Singh Venue: Dept. of Chemistry. Batch B: Hands-on Training on Atomic Absorption Spectrophotometer was explained by Dr. Rohit Mehra, Venue: Dept of Physics vise- versa from 1 30 to 5 30 PM

**Day 4:- 09/02/2023**

In the morning 9 to 11 AM Theory session on Differential Scanning Calorimetry was taken up by Dr Praveen Malik and Theory session on Ion Chromatograph was taken up by Dr Shailendra Bajpai from 11AM to 1 PM .Batch -A: Hands-on Training on Rapid Chloride Permeability Tester, was explained by Prof. S.P. Singh, Venue: Concrete Technology Lab, Dept of Civil Engg Batch B: Hands-on Training on Particle Size Analyser was explained by Dr S Bajpai, Department of Chemical Engg. Finally both completed the session simultaneously from 1 30 to 5 30 PM

### **Day 5:-10/02/2023**

In the morning 9 to 11 AM Theory session on Tower Type Hybrid Vapour Compression Refrigeration (VCR) and Humidification-Dehumidification (HDH) Desalination Plant was taken up by Dr. Srinivas Tangellapalli from 11AM to 1 PM and Theory session on Powder XRD was taken up by Dr. Uma Shanker Batch A: Hands-on Training on Theory session on Drop Shape Analyzer was explained by Dr Vickram Jeet Singh,& Batch B: Hands-on Training on Differential Scanning Calorimetry, was explained Dr Praveen Malik, Batch B: Hands-on Training on Theory session on Drop Shape Analyzer was explained by Dr Vickram Jeet Singh, Batch -A: Hands-on Training on Differential Scanning Calorimetry, was explained by Dr Praveen Malik from 1 30 to 5 30 PM.

### **Day 6:-11/02/2023**

In the morning 9 to 1 PM Batch -A: Hands-on Training on SEM, was explained by Dr. Raman Bedi, Venue: Institute Instrumentation Center **Batch B:** Hands-on Training on Powder XRD, was explained by Dr. Uma Shanker, Venue: Institute Instrumentation center and in the afternoon session Batch A: Hands-on Training on Tower Type Hybrid Vapour Compression Refrigeration (VCR) Batch B: Hands-on Training on Ion Chromatograph was explained by Dr S Bajpai, Dept of Chemical Engg Batch B : Hands-on Training on Tower Type Hybrid Vapour Compression Refrigeration (VCR) Batch A: Hands-on Training on Ion Chromatograph was explained by Dr S Bajpai, Dept of Chemical Engg from 1 30 to 5 30 PM.

### **Day 7:-12/02/2023**

In the morning 9 to 1 PM Batch -B: Hands-on Training on SEM was explained by Dr. Raman Bedi, Venue: Institute Instrumentation Center Batch -A: Hands-on Training on Powder XRD, was explained by Dr. Uma Shanker, Venue: Institute Instrumentation Center. In the afternoon session Theory session on ICPMC was explained by Dr. Rohit Mehra & also Hands on Training on session on ICPMC, Batch A & B Valedictory & Feedback Session.