

**Training program NITJ
FINAL REPORT
19TH SEP TO 25TH SEP 2022**

Day 1:- 19/09/2022

At 9 am the program started with the registration process of candidates and also the distribution of stationary to the participants. Then the program started with the national song followed by the inauguration by key guest honors. Then at 11 am a theory session on Drop shape Analyser was taken up by Dr Vickram Jeet Singh. In the afternoon the same session continued till 2 30 PM, then from 2 30 to 5 30 PM the theory session on fluorescence Spectroscopy was taken up by Dr Vimal Kumar.

Day 2:- 20/09/2022

In the morning session theory on 100Kn/ 250Kn, Closed Loop Servo- controlled Actuator System was taken up by Prof SP Singh, and the theory On Rapid Chloride Permeability was taken up by Tester by Dr. Kanish Kapoor & Dr. Navdeep Singh from 11 to 1 PM. In the afternoon session hands-on training on Fluorometer batch B was explained by Dr. Vimal Kumar DST-FIST Lab, Dept of Chem, and batch A hands-on training on Drop Shape Analyser was explained by Dr. Vickram Jeet Singh Dept of both sessions simultaneously batch-wise from 1 30 to 5 30 pm.

Day 3:- 21/09/2022

The theory session on Experimental RIG was taken up by Dr. Rajeev Kukreja from 9 to 11 AM, FROM 11 to 1 PM theory and 11 to 1 pm theory session on MTS Servo Hydraulic 250kn Fatigue Testing System was taken up by Dr. Raman Bedi. In the afternoon session hands-on training on the 100Kn/ 250Kn Close Loop Servo- controlled Actuator System was explained by Prof S P Singh Batch B then batch A hands-on training on MTS Servo Hydraulic 250kn Fatigue Testing System was taken up by Dr. Pramod Kumar Dept of Mech Engg both sessions have completed simultaneous batch-wise from 1 30 to 5 30 PM.

Day 4:- 22/09/2022

At 9 AM theory session on PXRD was taken up by Dr. Uma Shanker then from 11 to 1 PM theory session on SEM was taken up by Dr. Raman Bedi. Hands-on training Rapid Chloride Permeability tester Batch B was explained by Dr. Kanish Kapoor and Dr. Navdeep Singh Concrete Technology Lab, Dept of Civil Engg and batch A hands-on training on Experimental RIG Batch A was explained by Dr. Rajeev Kukreja RAC LAB, 2nd Floor, Dept of Mech Engg both instruments simultaneously completed from 1 30 to 5 30 PM.

Day 5:- 23/09/2022

The morning theory session and hands-on training on GC were explained by Prof N C Kothiyal from 9 to 1 PM. In the afternoon session theory on AAS was taken up by Dr. Rohit Mehra Dept of Physics from 1 30 to 3 30PM and 3 30 to 5 30 PM theory session on Nal Gamma Spectrometer was taken up by Dr. Rohit Mehra

Day 6:- 24/09/2022

Hands-on training on PXRD was explained by Dr. Uma Shanker batch A. and Batch B hands-on training on SEM was explained by Dr. Raman Bedi In the morning session. In the afternoon session, hands-on training on AAS was explained by Dr. Rohit Mehra Dept of Physics from 1 30 to 3 30PM batch A. Batch B simultaneously. Hands-on Training on Nal Gamma Spectrometer Batch B Dr. Rohit Mehra Dept of Physics batch A simultaneously.

Day 7:- 25/09/2022

Hands-on training on PXRD was explained by Dr. Uma Shanker batch A. and Batch B hands-on training on SEM was explained by Dr. Raman Bedi In the morning session. In the afternoon session, hands-on training on GC was explained by Dr Sadhika Khullar Dept of Chem from 1 30 to 3 30 PM .valedictory and feedback session in the evening.