

**FINAL REPORT**  
**NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL**

**Theme: INSTRUMENTAL METHODS OF MATERIAL ANALYSIS**

**Program Dates :( 22-28)/August/2022**

**Venue: SRI VENKATESWARA UNIVERSITY, TIRUPATI**

**Day 1:- 22/8/2022**

At 9 am the program started with the registrations process of candidates and also distributions of stationary to the participants. Then the program started with the national sony followed by inauguration by key guest honors. Theory session on NMR taken up by Prof V Rajeswara Rao NITW from 11 to 4 PM. Hands-on training NMR was explained by Dr Y Subba Rao batch A and batch B Hands on training UV Visible spectroscopy from 4 to 6 PM.

**Day 2:- 23/8/2022**

Theory session on UV Visible spectroscopy was explained by Prof V Padmavathi from 9 to 11 PM. Then a Theory session on SEM taken up by Prof R P Vijayalaxmi from 11 to 1 PM. In the afternoon session Hands on training NMR explained by Dr Y Subba Rao batch B and batch A Hands on training UV Visible spectroscopy from 4 to 6 PM.

**Day 3:- 24/8/2022**

Theory session on Nano Particle size analyzer was taken up by Dr Y Subba Rao from 9 to 11 PM and Theory session on FTIR was taken up by Dr Y Subba Rao from 11 to 1 PM in the afternoon Hands on training Nano Particle size analyzer was explained by Dr Y Subba Rao batch A at DST PURSE center. Hands-on training on Ultracentrifugation was explained by Dr K Venkata subbaiah batch B at virology department from 2 to 6 PM.

**Day 4:- 25/8/2022**

Theory session on Ultracentrifugation Was taken up by Dr K Venkata subbaiah from 9 to 11 PM .Theory session on Fermentation technology was taken up by Prof OVS Reddy from 11 to 1 PM. Hands on training Nano Particle size analyzer was explained by Dr Y Subba Rao batch B at DST PURSE center. Hands-on training on Ultracentrifugation was explained by Dr K Venkata subbaiah batch A at virology department from 2 to 6 PM.

**Day 5:- 26/8/2022**

Theory session on fluorescence spectroscopy was taken up by Dr.Hemalatha from 9 to 11 PM and Theory session on ICPOES by Dr Jagadesh IIT Thirupathi from 11 to 1 PM. Hands-on training fluorescent microscopy was explained by Dr K Venkata subbaiah batch A at DST PURSE center and ICPOES and FTIR Demo was explained by Dr Y Subba Rao batch B at DST PURSE center and physics from 2 to 6 PM.

**Day 6:- 27/8/2022**

Theory session on fluorescent microscopy was taken up by Prof Umameshwari from 9 to 11 PM, Theory session on GCMS was taken up by Prof CH.Appa Rao from 11 to 1 PM. Hands-on training fluorescent microscopy was explained by Dr K Venkata subbaiah batch A at DST PURSE center and ICPOES and FTIR Demo was explained by Dr Y Subba Rao batch B at DST PURSE center and physics from 2 to 6 PM.

**Day 7:- 28/8/2022**

Visit to SEIMENS Skill Development Center Was taken up by Sri Vamshi Rayala from 9 to 11 PM Talk on Research and development was taken up by Prof S Vijaya Bhaskara Rao from 11 to 1 PM.in the afternoon session visited labs at SVU Tirupathi from 2 to 4 PM. At the end of the day Valedictory function.