STUTI 21 BHU

FINAL REPORT

25th April to 1st May

DAY 1: 25-04-2023

At 8.30 AM, Breakfast and the program started with the registration process of the candidates and distribution of stationery kits to the participants. From 10 AM to 12 PM, Theory on Confocal and Fluorescence Microscope System was taken by Prof.S.C Lakhotia then from 12:15 PM to 1:30 PM, Interactive Discussion on Confocal and Fluorescence Microscope System: Sample preparation was taken up by Dr.Richa Arya. In the afternoon session, participants have divided into 2 groups, Group 1 &2: Hands-on training on Confocal Scanning System was explained by Anand Kumar Singh & Mr. Ashishmani Sharma, and Group 2&1 Hands-on training on the Confocal Software system System was explained by Anand Kumar Singh & Mr. Ashishmani Sharma from 2 to 4 PM, and from Interactive Discussions on Confocal and Fluorescence Microscope System: Image Processing was taken up by Dr.Anand Kumar from 4 to 5:30 PM.

DAY 2: 26-04-2023

From 10 to 11:30 AM, the Theory on Super-resolution advantages and usage was taken up by Dr. Anand Kumar Singh. Then, Hands-on training with Super-Resolution group1 & 2 was explained by Anand Kumar Singh & Mr. Ashishmani Sharma, and Analysis of Super-Resolution Image groups 2 & 1 was explained by Anand Kumar Singh & Mr. Ashishmani Sharma from 12 to 1:30 PM and 1:30 PM to 3:30 PM, and from 3:30 PM to 5 pm Inaugural Ceremony.

DAY 3: 27-04-2023

From 10 to 11:30 AM, Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy (Solid Probe): Principles, types, and Applications were taken up by Dr.Manasi Ghosh. 12 to 1:30 PM, Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy (Liquid Probe): Principles, types, and Applications were taken up by Professor Satyendra Kumar Pandey. In the afternoon session, Hands-on Training on Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy was explained by Dr. Manasi Ghosh, Dr.Pubali Adhikari, and Mr. Dileep Kumar from 2 to 3:30 PM, and Hands-on Training on Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy was explained by Dr. Manasi Ghosh, Dr.Pubali Adhikari and Mr. Dileep Kumar from 3:45 PM to 5:30 PM.

DAY 4: 28-04-2023

From 10 to 11:30 AM, Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy (CryoProbe): Principles, types, and Applications were taken up by Dr.Chandan Singh. 12 to 1:30 PM, Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy Advance Applications-II was taken up by Professor Satyendra Kumar Pandey. In the afternoon session, Hands-on Training on Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy was explained by Dr. Chandan Singh, Dr.Pubali Adhikari, and Mr. Dileep Kumar from 2 to 3:30 PM, and Hands-on Training on Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy was explained by Dr. Chandan Singh, Dr.Pubali Adhikari and Mr. Dileep Kumar from 3:45 PM to 5:30 PM.

DAY 5: 29-04-2023

At 10 to 11:30 AM, Theory on Introduction of Mass Spectroscopy (From MALDI to HRAMS) AND Advancements in the area of modern-day Science was taken up by Dr. Srikanth Rapole. 12 to 1:30 PM, the Demonstration of High-Resolution Accurate Mass Spectroscopy (HRAMS) was explained by Mr. Chankadu Venkatest. In the afternoon session from 2 to 3:30 PM, MS-based Proteomics (Applications and Advancements) was taken up by Dr. Srikanth Rapole and the Demonstration of experiments setup and DATA acquisition for proteomics was explained by Mr. Chankadu Venkatest from 3:45 PM to 5:30 PM.

DAY 6: 30-04-2023

From 10 to 11:30 AM, MS-based Metabolomics (Applications and Advancements) was taken up by Dr. Srikanth Rapole. 12 to 1:30 PM, Demonstration of experiments setup and DATA acquisition for Metabolomics was explained by Mr. Chankadu Venkatest, and from3:45 PM to 5:30 PM Live session-Proteome Discoverer and Compound Discoverer was taken up by Mr. Chankadu Venkatest.

DAY 7: 1-05-2023

From 10 to 1:45 PM, a Field Visit by Mr.Kumar Pandey, and from 2:15 to 3:45 PM, a Field Visit by Mr.Kumar Pandey. 3:45 PM to 4 PM, Feedback session, and then 4 to 5 PM, Valedictory Function.