

**STUTI 21 BHU**  
**FINAL REPORT**  
**07<sup>th</sup> Dec to 13<sup>th</sup> Dec**

**DAY 1: 07-12-2022**

At 9 to 11 AM, High Resolution-Isotope Ratio Mass Spectroscopy (HR-IRMS): Principle, Types and applications was taken up by Professor S.P.Rai and from 11 AM to 1 PM, High-Resolution Accurate Mass Spectroscopy (HRAMS) Principle, Types and applications was taken up by Dr.Venkatesh. In the afternoon session participants have divided into 2 groups, group 1 Hands-on Training on High-Resolution Accurate Mass Spectroscopy (HRAMS) was explained by Dr.Venkatesh., group 2 Hands-on Training on High Resolution-Isotope Ratio Mass Spectroscopy (HR-IRMS) was explained by Professor S.P.Rai from 1 30 to 5 30 PM. In between 3 45 to 5 PM Inaugural session.

**DAY 2: 08-12-2022**

At 9 to 11 AM, High Resolution-Isotope Ratio Mass Spectroscopy (HR-IRMS): Advance applications was taken up by Professor S.P.Rai and from 11 AM to 1 PM, High-Resolution Accurate Mass Spectroscopy (HRAMS) Advance applications was taken up by Dr.Venkatesh. In the afternoon session participants have divided into 2 groups, group 2 Hands-on Training on High-Resolution Accurate Mass Spectroscopy (HRAMS) was explained by Dr.Venkatesh., group 1 Hands-on Training on High Resolution-Isotope Ratio Mass Spectroscopy (HR-IRMS) was explained by Professor S.P.Rai from 1 30 to 5 30 PM.

**DAY 3: 09-12-2022**

At 9 to 11 AM, Talk on Principle, Types and applications of Photoacoustic Ultrasound Imaging Platform was taken up by Dr.Shripad Bangale and, from 11 AM to 1 PM, Talk on Applications of Photoacoustic Ultrasound Imaging Platform was taken up by Professor Abhijit Mandal. In the afternoon session In the afternoon session participants have divided into 2 groups, group 1 Hands-on Training on High-Resolution Accurate Mass Spectroscopy (HRAMS) was explained by Dr.Venkatesh., group 2 Hands-on Training on High Resolution-Isotope Ratio Mass Spectroscopy (HR-IRMS) was explained by Professor S.P.Rai and from Hands-on Training on Photoacoustic Ultrasound Imaging Platform was explained by Professor S.P.Rai & Dr.Venkatesh. 1 30 to 5 30 PM.

**DAY 4: 10-12-2022**

At 9 to 11 AM, Talk on Advance applications of Photoacoustic Ultrasound Imaging Platform was taken up by Dr.Shripad Bangale and from 11 AM to 1 PM, Talk on Basics of Electrochemistry, Fuel Cell and Solar Cell and its Applications was taken up by Professor Anchal Srivastava. In the afternoon session participants have divided into 2 groups, group 1 Hands-on Training on Photoacoustic Ultrasound Imaging Platform was explained by Dr.Shripad Bangale, Hands-on Training on of Electrochemical work station Fuel Cell and Solar was explained by Professor S.P.Rai & Dr.Venkatesh. 1 30 to 5 30 PM.

**DAY 5: 11-12-2022**

At 9 to 11 AM, Talk on Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy Principle, Types and applications was taken up Professor S. Krishnamoorthi and from 11 AM to 1 PM, Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy Principle, Types and applications was taken up Dr. Manasi Ghosh. In the afternoon session participants have divided into 2 groups, group 1 Hands-on Training on NMR was explained by Professor S. Krishnamoorthi Hands-on Training on of Electrochemical work station Fuel Cell and Solar was explained by Dr. Manasi Ghosh 1 30 to 5 30 PM.

**DAY 6: 12-12-2022**

At 9 to 11 AM, Talk on Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy applications was taken up Professor S. Krishnamoorthi and from 11 AM to 1 PM, Nuclear Magnetic Resonance Spectroscopy (NMR) Spectroscopy Principle, Types and applications was taken up Dr. Chandan Singh. In the afternoon session participants have divided into 2 groups, group 1 Hands-on Training on NMR was explained by Professor S. Krishnamoorthi Hands-on Training on of Electrochemical work station Fuel Cell and Solar was explained by Dr Chandan Singh 1 30 to 5 30 PM.

**DAY 7: 13-12-2022**

At 9 to 1 PM, Field Visit by SATHI-BHU team and from 1:30 to 3:30 PM, Field Visit by SATHI-BHU team. 3:45 PM to 4 PM, Feedback session, and then 4 to 5 PM, Valedictory Function.