

Expert Talk on State-of-the-art techniques for observing Earth from Space

The Department of Civil Engineering, Faculty of Engineering and Technology (FET), Manav Rachna International Institute of Research and Studies (MRIIRS), organised an Expert Talk on "State-of-the-art techniques for observing Earth from Space" on November 22, 2021. The speaker of the Expert Talk was Mr. Arnab Laha. Mr. Arnab Laha is a Doctoral Student in the Department of Geoinformatics, Civil Engineering, Indian Institute of Technology (IIT), Kanpur. Mr. Laha started the talk by explaining the fundamental concepts of Geoinformatics, focusing on its origin from basic traditional techniques of Surveying/ Geodesy to Cartography, Global Navigation Satellite System, Photogrammetry, Remote Sensing, Laser Scanning and Global Positioning System (GIS). He started sharing his research work of usage of the Geoinformatics in "*Forest Fire Risk Assessment and to Develop an early Detection System for Sikkim*" funded by Helvetas Swiss Intercoperation. Mr. Laha explained the methodology involving from the stage of Data Collection to Data Processing, followed by AHP (Analytical Hierarchy Process), which is divided into various levels depending upon the complexity of the research problem. He also shared his contribution in the project regarding estimation of forest fire hazard dynamically with AHP at Similipal Biosphere Reserve, India.

