LIST OF ONGOING RESPOND PROJECTS

S.No.	Title of the project	Name of the Institute
1.	Extraction of Buildings from Satellite Imagery of Urban Area through Transfer Learning of Deep Learning Networks	St. Joseph's College of Engineering, Chennai
2.	Development of a Model for generation of high-resolution gridded population map	National Institute of Technology Calicut, Kozhikode
3.	Development of Feature Fusion Based Multispectral/Hyperspectral Image Classification Model Using Deep Learning	Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar
4.	Retrieval of Hydrological Parameters and developments of Glacio-hydrological Model in Chandra Basin including satellite and Field Observations	Indian Institute of Technology, Indore
5.	Development & Onboard Embedding of Novel Deep Learning Approaches for Resolution Enhancement and Multimodal Fusion in Remote Sensing Images	Indian Institute of Information Technology, Sricity
6.	AI (Artificial Intelligence) and Remote Sensing Applications in Soil and Crop Management	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai
7.	Development of algorithm for high resolution vegetation water content estimation using optical/IR and microwave satellite datasets over agricultural lands	Institute of Environment & Sustainable Development, Banaras Hindu University, Varanasi
8.	Use of multi-parametric Synthetic Aperture Radar (SAR) for forest bio-physical parameter retrieval, deforestation monitoring and forest type discrimination	Indian Institute of Technology (IIT), Indore
9.	Remote sensing coupled with field monitoring and geostatistical modelling to obtain the water quality vulnerability maps for Yamuna River	Sanskriti University, Mathura
10.	Enhancing simulation of hydrological fluxes by assimilation of root zone soil moisture in integrated hydrological model	Indian Institute of Technology Palakkad
11.	Micro and Meso-Scale Urban Climate Modelling and research for improved weather prediction and disaster risk reduction over urban area.	Indian Institute of Technology Jodhpur
12.	Inter-annual variability of Indian Ocean carbon cycle using satellite and numerical ocean modelling.	Indian Institute of Technology Bhubaneswar
13.	Development of microwave scattering algorithms for retrieval of crop biophysical parameters and soil moisture using polarimetric SAR satellite data.	Indian Institute of Technology (IIT, BHU), Varanasi
14.	Smart Crop Planning: AI (Artificial Intelligence) based Decision Support System for Crop Diversification	Birla Institute of Technology & Science (BITS), Pilani
15.	Unraveling the Hydrodynamics of Submarine Groundwater Discharge (SGD) in changing climatic conditions for better management of coastal Aquifers	Indian Institute of Technology (IIT), Roorkee
16.	Improved Urban Weather and Climate Modelling using High-resolution Land Use Land Cover Parameters	Indian Institute of Technology (IIT), Roorkee
17.	Assessing Building Vulnerability to Multiple Hazards in Hilly Urban Environments: An InSAR and Geotechnical Data Approach	Vellore Institute of Technology, Vellore