

Sponsored Projects : 8

Indigenous Development of Early Warning Radar System for predicting failures/slope instabilities in Open Cast Mines, Sponsored by Coal India Ltd, Rs. 20 Lakhs through SAMEER, IIT Powai Campus, 16/11/2018 - 15/11/2023. Total project cost Rs. 6.5 crores (SAMEER+IITB)

Calibration of Polarimetric SAR and Software Development, Sponsored by : ISRO-IITB Cell, Duration : Dec. 2013 – Dec. 15, Budget : 13.32 Lakhs

Effect of terrain relief and vegetation cover on interferometric SAR derived DEMs, Sponsoring by : ISRO-IITB Cell, Duration : July 2012 – August 2014, Budget : 13.68 Lakhs

Development of land parameter retrieval techniques and tools for PolSAR, Duration : April 2010 to March 2014, Sponsored by : SAC, ISRO, Ahmedabad, Budget : 24 Lakhs

Soil moisture mapping using Active and Passive Microwave Remote Sensing Techniques, ISRO-IITB cell, 2006 (16 Months), 5 Lakhs

Comparison and fusion of optical stereo and InSAR derived digital elevation models (DEMs), ISRO-IITB Cell, March 2004, One year project, 4 Lakhs

Monitoring landslides and land deformation using differential SAR Interferometry, MHRD, 2001 – 2004

Seasonal Hydrologic Predictions Based On Regional Forecasts Of Monsoon Rainfall With Cwrf And Statistical Downscaling, Ministry Of Earth Sciences, 01/10/2014 30/09/2018, Rs.86 Lakhs (Co-PI)

Monitoring Snow & Glaciers Of Himalayan Region - Phase-II, ISRO-SAC, 17/03/2011 31/03/2015, Rs.26.7 Lakhs, (Co-PI)

Consultancy Projects: 4

Mapping of Land Subsidence and Slow Landslide Movement along the Northern Railway Track in Jammu & Kashmir using SAR Interferometry, Sponsored by Northern Railway through Lombardi Engineering India Pvt. Ltd., Delhi, Jan – July 2019, 5.94 Lakhs

SAR Data Processing - CCD and PolSAR data Sponsored by : DEAL, DRDO, Dehradun Duration: March 2011 – Nov 2012, Budget : 30 Lakhs

Development and Execution of SAR System Calibration Techniques Sponsored by : LRDE, DRDO, Bangalore, Duration: Nov. 2010 – Jan. 2013, Budget : 7.2 Lakhs

ENVISAT ASAR data analysis for snow and glacier monitoring, DRDO-SASE, Jan 2004 – June 2004