

Programme Schedule: "Geospatial Techniques for Coastal Mapping and Monitoring (using QGIS)"
26 - 30 November 2018

Time	Day 1	Day 2	Day 3	Day 4	Day 5
09:30 - 11:00	Welcome and Course Introduction	Introduction to Coastal Mapping and Monitoring using RS and GIS (KH Rao)	Geospatial Applications of Mangrove and Coral Reef Mapping (SK Dash)	Hands on: Converting Tabular Data into Vector Format (Chandrashekhar V)	Map composition and generation of KML (Shivakumar H)
	Introduction to Remote Sensing and GIS (KH Rao)	Geospatial Applications of Hazard Mapping (Prakash Chandra Mohanty)	Hands on: Coral Reef Mapping (Shivakumar H)	Working with secondary data (sea level, NGDC data) (Chandrashekhar V)	Open source data and geospatial tools (N. Kiran Kumar)
11:00 - 11:30	Tea/Coffee	Tea/Coffee	Tea/Coffee	Tea/Coffee	Tea/Coffee
11:30 - 13:00	Introduction to QGIS Software and other open source software (N. Kiran Kumar)	Hands on: Coastal Risk Assessment (Tsunami) (Prakash Chandra Mohanty)	Hands on: Mangrove Mapping (Sai Bharadwaj)	Generation of DEM using ASCII data (Sai Bharadwaj)	Test
13:00 - 14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00 - 15:30	Generation of basemap and Visualization of spatial data-I (Prakash Chandra Mohanty)	Hands on: Coastal Risk Assessment (Storm Surge) (Prakash Chandra Mohanty)	Generation of coral reef and mangrove maps (Prakash Chandra Mohanty)	Generation of contours, slope and aspect using DEM (Sai Bharadwaj)	Feedback and Closing Ceremony
15:30 - 16:00	Tea/Coffee	Tea/Coffee	Tea/Coffee	Tea/Coffee	Tea/Coffee
16:00 - 17:30	Generation of basemap and Visualization of spatial data-II (Prakash Chandra Mohanty)	Shoreline Mapping (Prakash Chandra Mohanty)	Participant Presentation on Coastal Risk assessment	Participant Presentation on Feature Extraction (classification technique)	Visit to INCOIS Facilities (Tsunami, PFZ, OSF Labs, Ground station)