INTERNATIONAL TRAINING CENTRE FOR OPERATIONAL OCEANOGRAPHY | INCOIS, HYDERABAD

SATELLITE OCEANOGRAPHY & COASTAL VULNERABILITY MAPPING

TENTATIVE COURSE SCHEDULE • 15–21 NOVEMBER 2026

DATE / DAY	MON 16 NOV	TUE 17 NOV	WED 18 NOV	THU 19 NOV	FRI 20 NOV
SESSION I 10:00–11:15	**Introduction to Ocean Parameters and Satellite derived ocean parameters** *Dr. N. Srinivasa Rao*	**Ocean- Colour Remote Sensing and Applications** *Dr. N. Srinivasa Rao*	**Ocean Observations for Biogeochemical Studies: In-situ and Satellite Systems** *Dr. Aneesh Lotliker/ Dr. Minu*	**Satellite Applications in Marine Ecosystems: Productivity, HABs and Carbon Cycling** *Dr. Sanjiba Kumar Baliar Singh*	**Ocean State Forecasting: Products and Societal Applications** *Dr. P. Sujatha*
Tea Break 11:15-11:30 Hrs					
SESSION II 11:30–13:00	**Physics for Geoinformatics** *Dr. N. Srinivasa Rao*	**Thermal Remote Sensing and Applications / Ground Station Visit** *Dr. N. Srinivasa Rao*	**Biogeochemical Measurements: Parameters, Sampling and Analytical Methods** *Dr. Harsa Bardhan*	**Multi-Hazard Vulnerability Mapping** *Dr. P. C. Mohanty / Mr. H. Shiva Kumar*	**Oil Spill Advisory Services: Monitoring and Applications** *Dr. S. J. Prasad*
Lunch – 13:00- 14:00 Hrs					
SESSION III 14:15–15:30	**Practical: Introduction to QGIS, basic operation of RS and GIS.** *Dr. N. Srinivasa Rao & Mr. H. Shiva Kumar*	**Practical: Practical: Exploring Oceansat-3 OCM Data and Ocean-Colour Products in QGIS** *Dr. N. Srinivasa Rao & Mr. H. Shiva Kumar*	**Biogeochemical Laboratory: Instruments and Measurement Techniques** *Dr. Narasimha Rao*	**Practical: Shoreline Change detection Using QGIS** *Mr. H. Shiva Kumar*	**Tsunami Early Warning System and Ocean Observations** *Dr. Ch. Patanjali*

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Tea Break – 15:30-15:50					
SESSION IV 15:50–17:00	**Practical: Satellite data downloading and processing** *Dr. N. Srinivasa Rao & Mr. H. Shiva Kumar*	**OCM-3 Product Validation and Data Access through Bhoonidhi and MOSDAC** *Dr. Ch. Jayaram*	**Practical: Biogeochemical Analysis and Data Interpretation** *Nandakumar/ MPChandrasekhar*	**Applications of Artificial Intelligence in Remote Sensing** *Dr. TVS Udaya Bhaskar / Dr. N. Umakanth*	**SYNOPS Laboratory Visit** *Dr. B. Ajay Kumar*