



Foreign, Commonwealth  
& Development Office

# SOUTH ASIA HYDROMET FORUM III

## PRIORITIZING TRAINING AND CAPACITY DEVELOPMENT REQUIREMENTS

**Opportunities for Advanced Training on Operational Oceanographic Services to SAHF Countries by International Training Centre for Operational Oceanography (ITCOcean), INCOIS**

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**November 15-18, 2021  
Annual Event- Virtual**

# ABOUT ITCOOCEAN



ITCOO was approved in Dec 2012 as a part of XII Five Year plan initiatives of INCOIS.

First set of classes started in July 2013.

As of today, successfully conducted 64 courses, which includes both National and International.

Participants from 95 countries (mainly Indian Ocean Rim) participated in the courses.

A total of 4260 students (2967 Indian, 1288 Foreign nationals) were trained in these courses.



Active Learning



Digital Lectures



Integrated Classrooms



Remote Attendance

# LEARNING OBJECTIVES

- Individual centred learning
- Focus on current active research themes
- Applicable to individuals own research

To provide advanced training in operational oceanography

To create a large pool of young trained manpower

To promote excellence in integrated multidisciplinary oceanography

To enhance the skill sets of trainees.

To generate state of preparedness for nowcasting and forecasting ocean

To instil motivation to provide and support operational oceanography services

# COURSE METHODS

Pre-course surveys to select preferable topics

Participant selection based on motivation/qualifications

Regular communication to offer assistance

Pre-course materials and links

Github platform for course material sharing

Group-wise mini projects/ lab sessions

Feedback, discussions and evaluations/test

Sharing presentations, video lectures, materials

After course student visits and mentoring by faculty

# TARGET AUDIENCE

- Students and research scholars

- Staff of maritime related institutions

- Govt. Officials, persons and companies involved in oceanographic services

- Decision makers and Navy

- Scientists and Faculty

- Institutions and involved in ocean state forecasts, hazard warnings, environmental protection, NGOs, coastal planners, disaster management activities

- Participants originating from the Indian Ocean rim countries and Small Islands in IO

# PROPOSED TOPICS FOR TRAININGS

- Ocean modelling applications to the coastal community.
- Tsunami warning and Multi Hazard Vulnerability awareness.
- Ocean State Forecasting, High Wave Alerts, Search & Rescue, Oil Spill Modelling etc.
- Biogeochemical processes in the Ocean, Harmful Algal Blooms.
- Ocean Data Management, visualization.
- Fisheries and marine phytoplankton.
- Ocean Acidification and climate change

**Not exhaustive list....**



**THANK YOU**