

## Programme Overview

- 04 Days
- 07 Modules
- 09 Expert Lectures
- 01 Live case study

## Registration Details

For Registration, Fee and Detailed programme, visit: [https://acupcb.spav.ac.in/capacity-building/edp\\_24\\_02/](https://acupcb.spav.ac.in/capacity-building/edp_24_02/)

Accommodation will be provided on request basis

### Registration Deadline:

18th January, 2025 01.00pm

Register here:



AMRUT Centre of Urban Planning  
for Capacity Building  
A-CUPCB-SPAV



## EDP Programme Coordinated by

**Asst. Prof. Rajeev R**  
(Principal Instructor)

**Asst. Prof. Dr. Arpan Paul Singh**  
(Principal Co-Instructor)

**Asst. Prof. Dr. Anurag Bagade**

**Prof. Dr. Ayon Kumar Tarafdar**

## Patrons

**Prof. Dr. Ramesh Srikonda**  
(Director, SPA Vijayawada)

**Prof. Dr. Ayon Kumar Tarafdar**  
(Head, A-CUPCB-SPAV)

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22<sup>nd</sup> to 25<sup>th</sup>  
January 2025

An Executive Development Programme

# COASTAL RESILIENCE PLANNING AND MANAGEMENT



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## Purpose of the Programme

Coasts are dynamic environmental regions which are continuously modified by the constant action of water and wind on land. Development pattern predictions around the world projects that Asia is likely to witness maximum increase in built-up areas and population concentration by 2030, a major percentage along the low-lying coastal stretches. The Indian coastline spanning 7,500 kilometres, including the mainland and the islands, is heavily concentrated with settlements, coastal industries, ports, major infrastructure investments, tourist destinations etc. within 50 kilometres from the ocean. Over the years the Indian coast is prone to the increasing frequency and intensity of coastal hazards such as tropical cyclones, storm surges, sea-level rise and coastal erosion. Considering the eco-system sensitivity, the vulnerability and the development significance of this environmental region; this common resource is often degraded and thus necessitates effective coastal resilience planning and management.

This Executive Development Programme (EDP) aims to equip participants with the knowledge and skills required to develop and implement strategies that enhance the resilience of coastal regions and communities through effective planning and management. The EDP session will be highly interactive, combining theoretical knowledge with practical applications.

## Target Audience

The training session is designed for Planners, Government officials, Policy-makers, Environmental/ coastal engineers, Disaster management professionals, Non-governmental organizations (NGOs), Academics and researchers in the field of coastal management.

# COASTAL RESILIENCE PLANNING AND MANAGEMENT

## Why?

### Participate in EDP

- To understand the concepts and principles of coastal resilience.
- To identify and analyze the key hazards and vulnerabilities of coastal areas.
- To learn about best practices and innovative solutions in coastal resilience planning and management.
- To develop skills in creating and implementing coastal resilience plans.
- To foster collaboration and knowledge sharing among stakeholders.

## Deliverables and Outcomes

Enlighten the participants on:

- The approach and methodology to build coastal resilience in India.
- Steps to developing a Coastal Resilience Plan.
- Best practices and innovative solutions in coastal resilience planning and management.
- Skill-sets to foster collaboration in the target communities and to implement the coastal resilience plans.

## Programme Structure

Day-1

### Module 1: Introduction to Coastal Area Planning and Resilience

- Definition and Importance
- Key Concepts and Principles
- Global and Regional Contexts

### Module 2: Coastal Zone Ecology and Conservation

- Coastal Ecosystems and Ecological Processes
- Coastal Ecological Vulnerability
- Coastal Ecosystem Services
- Conservation Strategies

### Module 3: Coastal Hazards and Vulnerabilities

- Types of Coastal Hazards
- Case Studies of Recent Coastal Disasters
- Coastal Vulnerability – Physical, Socio-Economic, Environmental (Ecology and Cultural)
- Vulnerability Assessment Methods (Case Studies from Literature)
- Showcasing a Vulnerability study using software

Day-2

### Module 4: Field Studies

- Exploring Coastal Resilience Planning through a Live-study

Day-3

### Module 5: Sustainable Coastal Development

- Principles and Concepts
- Coastal Economic Potential incl. Blue Economy and Coastal Development in India
- Strategies for Sustainable Coastal Development

### Module 6: Stakeholder Engagement, Implementation and Monitoring

- Stakeholder Engagement and Participation
- Risk Communication and Public Awareness
- Collaborative Decision making
- Project Management and Implementation Strategies
- Monitoring and Evaluation Techniques using Community support

Day-4

### Module 7: Coastal Resilience Planning and Governance

- Coastal Risk Mapping
- Steps in Developing a Coastal Resilience Plan
- Integrating Climate Change Adaptation and Mitigation
- Coastal Governance
- Structural and Non-Structural Measures including Nature-Based Solutions

All modules shall introduce Case Studies and Best Practices, as required.

In addition, participants will understand coastal resilience planning explained through ONE – live case study also.