

International Workshop on Artificial Intelligence and High-Performance Computing Solutions for Climate Resilience and Coastal Sustainability

➔ REGISTER NOW

24-25 March 2026



Who can apply:

- Professionals
- Academicians
- Practitioners
- Policymakers
- Early Career Researchers
- PhD Scholars
- Postgraduate Students

Fields eligible:

- Disaster Studies
- Environmental Sciences
- Climate Change
- AI and Data Science
- Geography
- Anyone actively engaged in AI applications in climate change impact & Disaster Risk Reduction

Contact

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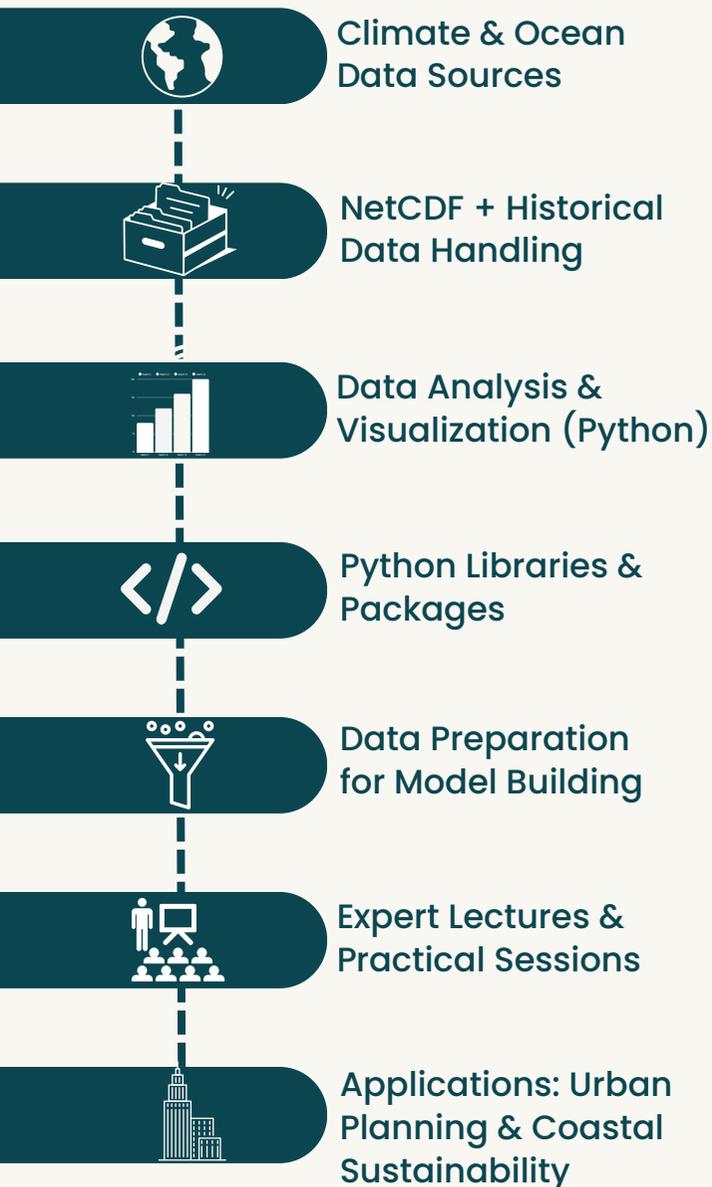


Indian Institute of Information
Technology, Kottayam, Valavoor
P.O., Pala, Kottayam-686635,
Kerala



Organized by
Indian Institute of Information Technology, Kottayam
in association with
C.R.E.A.T.E LAB
**(Centre for Resilient Environments and Autonomous
Technologies for Engineering Systems)**

WORKSHOP HIGHLIGHTS



ABOUT THE WORKSHOP

- The Workshop on Artificial Intelligence and High-Performance Computing Solutions for Climate Resilience and Coastal Sustainability brings together researchers, practitioners, policymakers, and early-career scholars to explore advanced computational approaches for climate modeling, risk assessment, and resilience planning related to sea-level rise.
- The workshop aims to build interdisciplinary capacity in applying Artificial Intelligence (AI), High Performance Computing (HPC), and advanced climate modeling techniques to improve the understanding, prediction, and adaptation strategies for coastal climate risks. Participants will gain theoretical and practical knowledge on AI-driven early warning systems, real-time forecasting, ensemble/hybrid ML models, and big data processing frameworks for sea-level studies.
- The Workshop will feature immersive hands-on sessions and expert lectures delivered by eminent speakers from **AIT Thailand, Universiti Teknologi Brunei, Cambodia University of Management and Technology, IIT Palakkad, CUSAT, KSCSTE, JNU, and IBM**. Dedicated panel discussions will bring together experts from academia, research institutions, and industry for focused deliberations on emerging challenges and solutions.

ABOUT THE INSTITUTE

The Indian Institute of Information Technology (IIIT) Kottayam, located at Valavoor, Pala (Kerala), is an Institution of National Importance recognized by the Ministry of Education, Government of India under the IIIT PPP Act, 2017. The institute is set in a scenic environment across a 53-acre campus allotted by the Government of Kerala.

IIIT Kottayam offers B.Tech and B.Tech (Hons.) programs in ECE, CSE, AI & Data Science, and Cybersecurity, with admissions through JoSAA/CSAB counselling based on JEE Main ranks. It also offers M.Tech programs in CSE, AI & Data Science, Cybersecurity, Big Data, and Machine Learning, along with Ph.D. programs in CSE, ECE, Mathematics, and Humanities.

PATRONS



**Prof. Prasad Krishna, Director,
IIIT Kottayam**



**Dr. M Radhakrishnan, Registrar,
IIIT Kottayam**



**Prof. Ashok S, Professor In-charge,
Academics, IIIT Kottayam**

ABOUT THE C.R.E.A.T.E. LAB

C.R.E.A.T.E Lab at IIIT Kottayam conducts multidisciplinary research in autonomous UAV systems, Artificial Intelligence, High-Performance Computing (HPC), and coastal climate resilience. The lab develops UAV-enabled sensing and monitoring platforms integrated with secure communication networks and AI-driven digital twins to support real-time observation of coastal dynamics, sea-level rise, and extreme climate events.

The lab leverages UAV data acquisition, 5G/6G connectivity, and HPC-based climate/ocean models for early warning systems, forecasting, downscaling, and localized impact assessment. By combining UAV observations with machine learning and hybrid physics-informed models, C.R.E.A.T.E Lab contributes to coastal vulnerability assessment, disaster preparedness, and climate-resilient infrastructure planning.

Visit us: <https://create.iiitkottayam.ac.in/>

REGISTRATION

Category	Early Bird	Late Registration
Faculties / Early Career Researchers	₹1750	₹2500
PhD Scholars / PG Students	₹1500	₹2000
Industrial Persons / Practitioners / Policymakers	₹1950	₹3000

EARLY BIRD
3/02/2026-10/03/2026

LATE REGISTRATION
11 MARCH ONWARDS

Registration & Payment Instructions

- Visit SBI Collect:

<https://onlinesbi.sbi.bank.in/sbicollect/icollecthome.htm>

- Select Category → Educational Institutions
- Search for IIIT Kottayam
- Choose Payment Category → International Workshop on Climate Resilience
- Complete the payment
- Note down the transaction number
- Fill the registration form after payment
- Registration fee is non-refundable
- Registration will close once the participant limit is reached
- Check if the registration form is open before making payment
- Registration Link: [CLICK HERE TO REGISTER](#)

ORGANIZING COMMITTEE



Dr. Ragesh GK,
Assistant Professor,
IIIT Kottayam



Dr. Milind Thomas Themalil,
Assistant Professor,
IIIT Kottayam



Dr. Sweta Shukla,
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