

3 Day Hands-on workshop



# From Data to Decisions:

## Applications of Climate, Hydrology and Geospatial Tools

National Institute of  
Technology Goa

Department of Civil Engineering

29th-31st May 2026, NIT Goa

Limited seats! \*

# What you can expect



Balanced mix of expert lectures and hands-on sessions



Focus on climate, science and geospatial analysis



Connecting research with real-world applications



Hands-on experience with climate datasets and tools



**Prof. K V Jayakumar**

IIT Dharwad



**Dr. Anamitra Saha**

IIT Hyderabad



**Dr. Sujeet Desai**

ICAR-CCARI



**Dr. Gaurav Patel**

NPDF, IISc Bangalore



**Dr. Rishi Sahastrabudhe**

NIT Goa





# Event Details



**29th–31st May 2026**



Room no. 25, Abdul Kalam Complex  
(Forenoon sessions)

Room no. 45, Visvesvaraya Complex  
(Afternoon sessions)

## **Registration fee\* :**

Students (UG/PG/PhD)	– ₹ 1,770/-
Faculty	– ₹ 2,950/-
Industry Personnel	– ₹ 4,720/-
Online Participants	– ₹ 590/-

\*Inclusive of 18% GST

**Register at:** <https://forms.gle/snrqsU1jUSWeCTHE7>:



Refreshments, lunch and  
certificates included





# Program Schedule



## 29 May (Day 1)

09:00 am–10:00 am

Inaugural Session

10:00 am–11:00 am

Session-1 “Why Climate and Hydrological Modelling Matters in a Changing World”

Prof. K V Jayakumar (Visiting Professor and Outreach Advisor, IIT Dharwad)

11:30 am–12:30 pm

Session-2 “Integrating Geospatial Techniques for Sustainable Land and Water Management in the Coastal Agriculture”

Dr. Sujeet Desai (Scientist, ICAR-CCARI)

02:00 pm–05:00 pm

Session-3 Handling Climate Dataset (Hands on Session on MATLAB)

Dr. Rishi Sahastrabuddhe (Asst. Professor, NIT Goa & Associate, University of Exeter, UK)



## 30 May (Day 2)

10:00 am–11:00 am

Session-1 “From Global Signals to Local Extremes: Assessing Climate Risks in a Warming World”

Dr. Anamitra Saha (Asst. Professor, IIT Hyderabad & Associate, MIT, Boston, USA)





# Program Schedule



## 30 May (Day 2)

11:30 am–1 pm

Session-2 “Understanding Climate Change: From Climate Data to Action Plans using ArcGIS”

Dr. Gaurav Patel (NPDF, IISc Bengaluru)

02:00 pm–05:00 pm

Session-3 Hands on session on ArcGIS

Dr. Gaurav Patel (NPDF, IISc Bengaluru)



## 31 May (Day 3)

10:00 am–11:00 am

Session-1 “Physics-Guided Data-Driven Models: Bridging Climate Science and Applications”

Dr. Rishi Sahastrabuddhe (Asst. Professor, NIT Goa & Associate, University of Exeter, UK)





# How to reach NIT Goa

## By Air

Dabolim is at a distance of around 38 km (45 minutes by car) from the NIT Goa. Another airport–Manohar International Airport in Mopa is 77 km (1 hour and 30 minutes by car) from the NIT Goa.

## By Rail

The closest major railway station is 'Madgaon Railway Station', which is around 15 km (25 minutes by car) from the Institute.

## By Car

From Dabolim Airport 38 km (45 minutes), Cost: ₹ 1800 Approx. From MOPA Airport: 77 km (1 hour and 30 minutes), Cost: ₹ 3500 Approx. From Madgaon Railway Station: around 15 km (30 minutes by car), Cost: ₹ 800 Approx.

## By Local Bus

Frequent local buses are available to reach NIT Goa. Every 10 min, local buses are available near to NIT Goa to visit in and around Goa.

In addition, rental bikes and cars by the hour from various service providers are available in Goa.



[Register Now!](#)

\* As the workshop involves hands-on sessions, we have limited capacity for offline participation.

