



NATIONAL INSTITUTE OF TECHNOLOGY GOA

Department of Civil Engineering



5 days Short Term Training Program on SUSTAINABLE FUTURE ON WATER RESOURCES AND CLIMATE CHALLENGES

12th - 16th March 2024

Sponsored by: Department of Science and Technology and Waste Management, Govt. of Goa

About NIT Goa

The National Institute of Technology Goa (NIT Goa) is a premier technical Institute of the region. NIT Goa was established in the year 2010 by an act of parliament (NIT act 2007) and it is declared as "Institute of National importance". NIT Goa is an autonomous institute functioning under the aegis of Ministry of Education (MoE), Govt. of India. The institute offers undergraduate courses in Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Civil Engineering and Mechanical Engineering and Ph.D programs in all five Engineering Departments and Humanities and Social Sciences. NIT Goa is ranked 90th in the NIRF 2023 Engineering ranking. The campus is located at Cuncolim, South Goa, which is about 15 km from Margao railway station, 36 km from Dabolim airport and 77 km from Mopa airport.

About DST and WM Goa

The Department of Science, Technology & Environment (DST&E) was established in the year 1983 as a Secretariat Administrative Department at Panaji, and is now (since 1997), located in a modern premises at Saligao (Bardez), 12 km. from Capital City of Panaji. The Department is headed by the Director who is also the ex-officio Joint Secretary to the Government. The Department implements various schemes towards popularization of science, environmental awareness, promotions of Science & Technology (S&T) projects relevant to the State, implementation of renewable energy programmes, application of remote sensing technology, and enforcement of "environmental protection/pollution control" laws.

Broad Scope of the program

Climate change poses many challenges worldwide, affecting the environment in which we live. Strategies to cope with climate change, risk assessment and willingness of states and societies to bear the risks and consequences are divergent. The program covers water management, climate adaptation, ecosystem restoration and community engagement for sustainable future. It gives insights into sustainable practices and policies and a holistic understanding through expert lectures and networking opportunities. Emphasis is placed on actionable strategies for resilience, renewable energy integration and community driven initiatives, which help to explore the intersection of water and climate, analyze governance structures and discuss sustainable policy recommendations.

Course contents

- Hydrological modelling and Climate change
- Polar Climate Change and Extreme Scientific Expeditions
- Applications of Remote sensing and GIS in water management
- Advanced Climate Modelling for Sustainable Agriculture

Subject experts from National research labs and Technical Institutes will handle the sessions

Target audience

The course is suitable for Faculty Members, Research scholars,

How to apply

- Candidates interested in the program may register through the google form: <https://forms.gle/Cw6yZMsSBuKjv2p7>
- Fee payment can be done using the link: <https://pmny.in/1rIJ2YzY8c0P>
- Last date of registration: 08.03.2024
- Registration fee: Rs.1770/- for industry professionals
Rs.1180/- for faculty members
Rs. 590/- for students
- The registration fee includes lunch and high tea. No accommodation will be provided.
- Prior registration is mandatory for attending the STTP
- Maximum candidates for the STTP is limited to 30 and will be ensured on a first come first serve basis
- Certificates of participation will be provided for all participants.
- Alternately, the following QR code may be scanned for registration.



Mode

The workshop will be in the offline mode, at NIT Goa campus, Cuncolim

Chief Patron: Prof. O R Jaiswal, Director, NIT Goa

Convenor : Dr. Harikumar M, Head of the Department

Co-ordinators: Dr. Ankit B, Assistant Professor
Dr. Govind M, Assistant Professor
Dr. Aparup B, Assistant Professor
Dr. Bright S, Assistant Professor
Ms. Vanessa Fernandes, Assistant Professor
Mr. Suryateja P, Assistant Professor

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NATIONAL INSTITUTE OF TECHNOLOGY GOA

DEPARTMENT OF CIVIL ENGINEERING

5 Day STTP

on

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Department of Science
and Technology and
Waste Management

Mr. Mahesh Patil
Chairman, GPCB

Dr. Rahul Mohan
Scientist, NCPOR

Areas of discussion

Hydrological modelling and Climate change

Dr. Sanil Kumar V V
Chief Scientist, CSIR-NIO

Dr. Hema Santosh
Senior Principal Scientist, CSIR-NIO

Advanced Climate Modelling for Sustainable Agriculture

Dr. Sujeet Desai
Scientist, ICAR-CCARI

Dr. Mohan Girap
Scientist, GPCB

Applications of Remote sensing and GIS in land and water management

Prof. K G Gupta
GCE Goa

Dr. Ankit Balvanshi
NIT Goa

Polar Climate Change and Extreme Scientific Expedition