

**One Day Workshop
on
National Information system for
Climate and Environment Studies
(NICES) Data Products**



Organized by



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**DEPARTMENT OF CIVIL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY
CALICUT**

About the Department

The Department of Civil Engineering is one of the oldest Departments in this Institute. It was established at the inception stage of the Calicut Regional Engineering College (CREC), which was the forerunner to the present National Institute of Technology Calicut (NITC) in 1961. At present, the Department offers an undergraduate program in Civil Engineering leading to the B.Tech degree and five graduate programs - in Environmental Geotechnology, Offshore Structures, Structural Engineering, Traffic and Transportation Planning, and Water Resources Engineering leading to the M.Tech degree of the Institute. In addition to the above, there are a number of students pursuing research at the Department in various fields of Civil Engineering leading to PhD. The Department is a recognized QIP centre for both M.Tech and PhD programs. The Department is also actively engaged in R&D, testing, and consultancy.

NITC and Calicut City

National Institute of Technology Calicut (NITC), is fully funded by the MHRD and is governed by the NIT Act 2007. The Institute has ten departments, three schools, and nine research centers. It offers ten UG, and thirty PG programmes along with PhD programmes in various fields of Science, Technology and Engineering. Faculty have active collaboration with universities and elite institutions within and outside India for research and are active in consultancy as well. For details see the website: www.nitc.ac.in

Calicut is a major knowledge hub of Kerala and is the hometown of institutions of national importance including NITC, IIMK, NIELIT, CWRDM etc. Calicut is connected by direct trains/ road/ air to all major cities in India. NITC is located about 22km north-east of Calicut City. Calicut, also known as Kozhikode, is the city of spices. Kozhikode beach, Kappad beach where Vasco Da Gama landed first, Kadalundy bird sanctuary, Thusharagiri waterfalls, Pazhassiraja museum, Tali temple, and Kuttichira masjid are some of the local attractions.

Registration Form

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26.02.2018

1. (a) Name : _____
_____ ; (b) Gender: M/F

2. Designation : _____

3. Department : _____

4. Address: _____

Tel (Office): _____

Mobile: _____

e-mail: _____

5. Educational Qualification : _____

6. Area of Research : _____

7. On campus accommodation requirement: Yes/ No

Signature of the Applicant: _____

Date : _____

Preamble

Climate change is one of the issues of grave concern being widely investigated across the world. Studies indicate that there is steady increase in the concentration of greenhouse gases in the atmosphere and in the global mean temperatures. Several studies show that the hydrological cycle is severely affected due to the changes in atmospheric water vapour content and precipitation patterns. The impact of climate change is already being felt in India from recent events like droughts, frequent flooding, sea level rise, cloud bursts, landslides, glacier melt etc.

In the above context, it is necessary to understand the complex processes that regulate the earth system and the manner in which these are influenced by natural forces and anthropogenic activities. Realising the need, ISRO formulated the National Information system for Climate and Environment Studies (NICES) with the mandate to build an information base for climate change impact assessment and mitigation under the guidance of NICES Programme Management Council (NICES-PMC).

NICES is in the process of establishing a dedicated information system for climate and environment studies at the national level using data from Indian Remote Sensing (IRS) and geostationary satellites and others. NICES is intended to generate climate and environmental data archives with a provision for access and visualization to various ministries, academia, and research institutions in the country. Presently, sixty four products of bio-geo-physical variables including terrestrial, ocean, atmosphere and cryosphere are being generated and disseminated through NICES portal.

In this context, a one day workshop is being organized at NIT Calicut to sensitise potential stakeholders from the academia, State Remote Sensing Centres, central government organizations and NGOs to demonstrate NICES products, and its applications and discussion will be made with the participants towards future collaboration. Possibility of collaboration can also be explored.

Workshop Topics

- NICES programs and data products
- Space inputs for atmospheric sciences
- Space inputs for ocean applications
- Presentation of case studies

Scientists from the NRSC will deliver the lectures.

Registration

Faculty members, research scholars and students from various UGC/AICTE approved institutions, officials from state and central government organizations and NGOs working in the climate change related areas can apply.

There is no registration fee for the workshop. Registration material, course material, working lunch, and refreshment during the break will be provided. If accommodation is needed, it will be arranged, subject to availability, on payment basis.

For provisional registration, registration form in the prescribed format may be sent by email to the Coordinators on or before 15th February 2018. Hard copy of the application may be sent by post as well. Since the total number of participants is limited, those interested are advised to apply at the earliest.

Travel Expenses: No TA/ DA will be paid.

Venue: NIT Calicut

Endorsement of the Head of the Institution/Department

Certified that Mr./ Ms./ Dr.
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is an employee of/ student pursuing in this institution and is hereby sponsored for the One Day Workshop on National Information System for Climate and Environment Studies (NICES) Data Products at NIT Calicut on 26th February 2018. He/ she will be permitted to attend the workshop, if selected.

Place: _____ Name & Signature
Date: _____ of the Sponsoring Authority
(*seal of the institution*)

Mail your registration forms to

email: nitcnrsc@gmail.com

send the duly filled up form to

Co-ordinators

Dr. Sathish Kumar D.

Dr. Chithra. N.R.

Dr. Pramada. S.K.

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