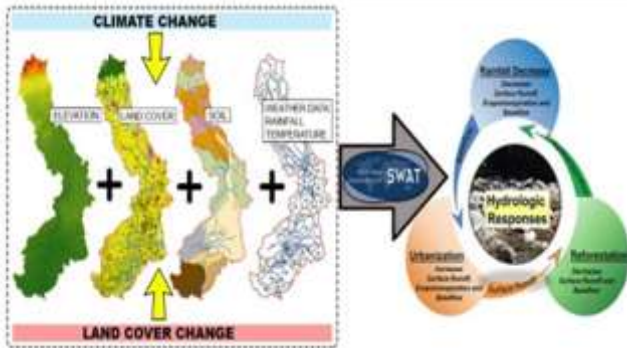


DST-SERB Sponsored Five Day Workshop on

Hydroclimatological Modelling Tools & Techniques and their Applications



(June 13th -17th, 2022)

Coordinator

Dr. P Subbarao
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Department of Civil Engg.
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Convenor

Dr. T Reshma
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Organized
By



Department of Civil Engineering
National Institute of Technology
Andhra Pradesh

About the Institute

National Institute of Technology Andhra Pradesh is the youngest (31st) institution among the chain of NITs started by the Government of India. It was established in 2015 at Tadepalligudem in the state of Andhra Pradesh. With the support of MHRD the institute started functioning in its 174 acres permanent campus. All the students now reside in the newly constructed hostel buildings inside the permanent campus. Presently, the institute offers B.Tech, M.Tech, M.S (by research), and Ph.D. programs. Institute has been awarded *Platinum rating* by the Indian Green Building Council (IGBC) in 2020 and also awarded as the '*Best Institute in South India 2021*'.

Objectives

- Introducing the basics of SWAT, Remote Sensing & GIS and downscaling techniques.
- Providing exposure to practical problems and their solutions, through case studies and live projects in the field of water resources engineering, Remote Sensing and GIS.
- Building in confidence and capability amongst the participants in the application of GIS based hydrological modelling.
- Exposing the participants to the challenges in modelling water resources under the context of climate change.

About the Department

The Civil Engineering Department established in the year 2015 with an intake of 60 UG Students. The department has been successful in producing excellent and well-trained graduates. The high standard world class laboratories enable the department to handle various consultancy works of worth around **Rs 1 crore**. At present the department have 300 Students (UG, PG & Ph.D.) and 14 faculty members. The department is having several sponsored projects worth of **Rs 1 crore** in different fields of Civil Engineering. The department is offering internship program for UG & PG students. In spite of limited resources, the department has achieved 75% placements in various reputed Multi-National Companies. Faculty research interests include, but are not limited to the following areas: Geotechnical Earthquake Engineering, Environmental Geotechnology, Structural Health Monitoring, Water & Wastewater Treatment, GIS-based Hydrological Modelling, Integrated Watershed Management and Hydroclimatology studies.

Who Can Attend?

- Faculty members from Engineering colleges.
- Engineers, working officials of NGOs, and Researchers in the field of RS& GIS and Water Resources can attend to this program.

About the Workshop

This workshop aims to impart the knowledge related to various water resources modelling tools and techniques to the participants. This program also gives exposure to the practical case studies in the water resources and allied fields.

This workshop also focuses on unanticipated challenges thrown by the climate change made to think about the optimal utilization of water resources and design of various hydraulic structures.

The remote sensing technique is useful in deriving high-resolution information in spatial and temporal domains about the hydrological parameters. Geographical Information System (GIS) technology provides suitable alternatives for efficient management of large and complex databases.

Selection Criteria & Certificate Issuance

Selection will be done on a first-come-first-serve basis.

Certificates will be issued to the participants who attend all the sessions

Patrons

Chief Patron

Prof. Pramod M. Padole
In-charge Director, NIT
Andhra Pradesh



Patrons

Dr. Dinesh P. Sankar Reddy
In-charge Registrar
NIT Andhra Pradesh



Dr. Baranidhran Sundaram
Head of the Department,
Civil Engineering
NIT Andhra Pradesh



Important Dates:

- Last date for submission of registration form: 10th June, 2022 (5.00 PM).
- The selected candidates will be intimated through e-mail.

Contact Details:

fdp.civil@nitandhra.ac.in

Resource Persons



Dr. K Venkata Reddy
Associate Professor
Department of Civil Engg.
NIT Warangal



Dr. Y. R. Satyaji Rao
Scientist G and Head
Deltaic Regional Centre
National Institute of Hydrology,
Kakinada



Dr. T Reshma
Assistant Professor
Department of Civil Engg.
NIT Andhra Pradesh



Dr. P Subbarao
Assistant Professor
Department of Civil Engg.
NIT Andhra Pradesh

Address for Communication:

Registration Details:

A non-refundable Registration fee for the workshop is
Rs. 500/- (for Academician & Research Scholars)
Rs. 750/- (for Industrial Person)

Fee needs to be paid only after getting the confirmation email from the coordinator.

Please [click here](#) for online registration.