Five Day Online Faculty Development Program on Applications of Remote Sensing & GIS in Water Resources

(October 19th - 23rd 2020)
Coordinator
Dr. T Reshma
Assistant Professor
Department of Civil Engg.
NIT Andhra Pradesh
reshma@nitandhra.ac.in

Organized By
Department of Civil Engineering
National Institute of Technology
Andhra Pradesh
Kondaprolu, West Godavari District,
Tadepalligudem

About the Institute
National Institute of Technology Andhra Pradesh is the 31st institution among the chain of NITs started by the Government of India. NIT Andhra Pradesh was established in the state of Andhra Pradesh in the year 2015. With the support of MHRD and an active role of the director, Prof. C. S. P. Rao, the institute started functioning in its permanent campus which is widely distributed in 178 acres. Most of the buildings are under construction and some of them are in the finishing stage. 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. The institute offers B.Tech., M. Tech., M.S. (by Research) and Ph.D. Programmes in Eight Engineering Disciplines. The institute is about to launch M. Tech. Programmes across thrust engineering domains from the year 2020.

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. Today we have 196 Students (UG & PG) and 14 faculty members drawn from premium institutes throughout India. The department offers B. Tech, M.Tech/M.Sc (Geotechnical Engineering), M.S (by Research) and Ph.D. Programmes.

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 Climate change.

Objective of this Program
• Introducing the basics of Remote Sensing and GIS
• 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 RS & GIS in water resource field.
• Exposing the participants to the challenges in modelling water resources under climate change.

Who Can Attend?
• Graduate students, Post graduates and scholars carrying out research in the field of water resources can attend this course.
• Engineers, working officials of NGOs, and Researchers in the field of RS & GIS and Water Resources can attend to this course.
• Faculty members from Engineering colleges.
About Geospatial Applications in Water Resources
An accurate assessment of the available water under climate change, both on surface and ground is needed for optimum design, planning and operation of the water resources projects as well as for watershed management to meet the basic needs of the people in the coming decades. 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. E-certificate will be issued to the participants who attend all the sessions.

Registration:
The Registration fee is Rs. 500/- per participant for Faculty & Working Engineers and Rs. 300/- for Research Scholars and PG Students. Fee needs to be paid only after getting the confirmation email from the FDP coordinator. The fee is non-refundable. Please click here for online registration.

Important Dates:
- Last date for submission of registration form: 15th October, 2020 (5.00 PM) or until the maximum intake (as determined by NIT Andhra Pradesh) is met, whichever happens earlier.
- Intimation of selection will be by email.

Address for Communication:
fdp.civil@nitandhra.ac.in

Organizing Committee
Patron
Prof. C. S. P. Rao
Director, NIT Andhra Pradesh

Co-patrons
Dr. Dinesh P. Sankar Reddy
In-charge Registrar
NIT Andhra Pradesh
Dr. Giridhar Rajesh
Assistant Professor & Head
Department of Civil Engineering
NIT Andhra Pradesh

Organizing Members
Dr. S Baranidharan Dr. J Prathyusha
Dr. Shaik Subhani Dr. Ashok J
Dr. A Rajeev Dr. Vinil G
Dr. Vinay C Dr. Rajyalakshmi G
Dr. Sushree Sunaya Mr. Ch Chandra Sekhar

List of Speakers
Dr. K Venkata Reddy
Associate Professor
Geo-technical Engineering Division Head & M.Tech RS&GIS Course Coordinator, Department of Civil Engineering, NIT Warangal

Dr. Sanjay Jain,
Scientist G & Head
National Institute of Hydrology, Roorkee

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

Dr. V. S. Jayakanthan
Scientist E
National Institute of Hydrology, Kakinada

Dr. T Thomas
Scientist E
National Institute of Hydrology, Bhopal

Dr. Vasanta Govind Kumar Villuri
Assistant Professor
Coordinator, Geospatial Technology Group, IIT(ISM) Dhanbad

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

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

Dr. Ch. Vinay
Assistant Professor
Department of Civil Engineering
NIT Andhra Pradesh