

ORGANIZING COMMITTEE

Chief Patron: Prof. G. Nageswara Rao
Vice-Chancellor, Andhra University

Patron: Prof. P. Srinvasa Rao
Principal, AUCE (A)

Convener: Prof. G. Jai Sankar
Head, Department of Geo-Engineering

Co-Convener: Prof. P. Jagadeeswara Rao,
Chairman, BoS, Department of Geo-Engineering

MEMBERS

Prof. K. Nageswara Rao, Chairman, ISG-Vizag Chapter

Prof. E. Amminedu, Secretary, ISG-Vizag Chapter

Prof. V. Venkateswara Rao

GUEST SPEAKERS

1. Dr. K. S. R. Murthy

2. Prof. P. Jagadeeswara Rao

3. Prof. V. Venkateswara Rao

REGISTRATION

Interested participants are requested to submit the Registration Form (on the last page of this brochure) on or before 21-03-2019 through e-mail or by post.

ALL CORRESPONDENCE SHOULD BE ADDRESSED TO:

Prof. G. Jai Sankar

Workshop Convener

Department of Geo-Engineering

AU College of Engineering (A)

Andhra University, Visakhapatnam-530003,

Email: jaisankar.gummapu@yahoo.com or

stephenabhi@gmail.com

Mobile: +91 8143105632

THEME OF THE WORKSHOP

A One-Day Workshop on **“WATER RESOURCES DEVELOPMENT AND MANAGEMENT”** is being organized on 22 March 2019 by the Department of Geo-Engineering, AUCE (A) in association with Indian Society of Geomatics (ISG), Visakhapatnam Chapter & Indian Society of Remote Sensing (ISRS), Visakhapatnam Chapter to commemorate the International Water Day.

The most significant experience of the 21st century is the apparent rapid growth in larger cities due to industrial development and consequent population growth. The ground water is generally a sensitive part of the ecosystem and is the immediate victim to environmental degradation due to industrialization, urbanization and intense agricultural activities. Availability of water mainly depends on factors such as the economics of water supply, the legalities of water acquisition and the situation and site of location requiring water, besides other important physical factors such as relief, geology and hydrology. Surface and ground water resources are important for the survival of life on earth. While planning for land use, the groundwater recharge zones in any area should also be taken into consideration using proper mapping techniques.

This workshop is aimed at providing training to the young government officials, teachers, researchers and students, on present situation of water resources, and the need for the development and management of the finite water resources, which are under threat in the climate change scenario. Besides, Water Quality and Micro level planning for the water resources improvement will also be discussed in the Workshop.

TOPICS TO BE COVERED INCLUDE

Surface water Conservation, Artificial Groundwater Research, Rain Water Harvesting, Storm water management, Water Quality, Micro level Planning, People's Participation, Watershed Development.

ABOUT ANDHRA UNIVERSITY

Andhra University (AU) established in 1926 is one of the oldest and largest academic institutions in India imparting education to over one lakh students every year in various branches of engineering, pharmacy, science, arts, commerce, and law. Since its inception, the university has been keeping up with its tradition of a national interface. Besides its routine contribution in cultivating, nurturing and grooming up of the top-notch intellectuals for the nation, its unique presence is strongly felt even in the international scenario for its research and innovations in the field of engineering, science and technology. In recognition of its outstanding performance, the University has been accredited by NAAC.

ABOUT AU COLLEGE OF ENGINEERING (A)

Andhra University College of Engineering (Autonomous) located in a sprawling campus of over 167 acres of land is the first autonomous college among the University's six constituent colleges. The College enrolls 2800 students in 15 Departments offering 16 Under-Graduate and 39 Post-Graduate programmes. The College has modern state-of-art laboratories and intranet and internet facilities. The College has been selected as one of the lead institutes under the World Bank funded TEQIP; and almost all the courses run in its departments are accredited by NBA.

ABOUT VISAKHAPATNAM

Visakhapatnam is a breathtakingly beautiful coastal city on the east coast of India. With green hills and sylvan beaches dotting the seafont, and many tourist attractions and holiday spots, Visakhapatnam has been a vibrant city. It is the headquarters of the Eastern Naval Command of the Indian Navy. With its rapid population growth, the city is becoming a hotspot for various environmental concerns such as industrial pollution, water scarcity and coastal erosion. Many academics, scientists and engineers are engaged in studies on these issues. Therefore, Visakhapatnam is an ideal location for conducting the Workshop on **“WATER RESOURCES DEVELOPMENT AND MANAGEMENT”**

ABOUT THE HOST DEPARTMENT

The Department of Geo-Engineering & Resources Development, Technology, established in 1980, is an inter-disciplinary Department in the Andhra University College of Engineering (A). The Department comprises teachers drawn from different disciplines like Geology, Geography, Geophysics, Meteorology, Remote Sensing, Mathematics and Computer Science. The Department has a unique research unit, Centre for Remote Sensing and Information Systems, established in 1983 with the MHRD support and later strengthened by ISRO in 2002 towards building the state-of-art Remote Sensing and GIS Infrastructure. The Department is conducting two PG degree courses, M.Tech. Remote Sensing and M.Tech. Geo-Engineering, and a 4-year B.Tech. Geo-informatics Engineering course. The Department has successfully carried out many research projects of multidisciplinary nature funded by ISRO, DST, MoEn&F, DONCE, DOD, NRSC, AICTE, IGIDR and other Govt. and Non-Govt. organizations. The Department has joint M.Tech. Programmes with Indian Institute of Remote Sensing (IIRS), Dehradun, and the United Nations Centre for Space Science and Technology Education in Asia and the Pacific (CSSTE-AP), Dehradun. The Department has academic linkages with international institutes such as ITC, The Netherlands, Shimane University, Japan, Yamaguchi University, Japan and Waseda University, Japan. Apart from teaching and research, the Department also offers consultancy services in the areas of groundwater, soil investigations and monitoring of natural resources using Remote Sensing, GIS and GPS technologies along with other conventional methods to various government and private organizations in and around Visakhapatnam as well as different states in the country. The Department fulfils its societal responsibilities by involving in programs such as creating awareness in water harvesting and water conservation methods. The Department has been providing training in the application of Remote Sensing, GIS and GPS technologies in the areas of coastal zone management, watershed management and rainwater harvesting to researchers, scientists and engineers of various governmental/non-governmental organizations.

REGISTRATION FORM

(Copies of this form can be used for submission)

Name :
Designation :
Organization :
Address for Correspondence:

Mobile No. :
E-mail :
Registration category:
(College/University Teacher/
State/Central Govt. Official/
Research Scholar)

(Signature)

Date:

Sponsorship Certificate:

Certified that _____ is a regular employee/research scholar of our institution since _____ and is hereby sponsored to attend the One Day National Workshop on “WATER RESOURCES DEVELOPMENT AND MANAGEMENT” being conducted in the Department of Geo-Engineering, AU College of Engineering (A), Visakhapatnam during 22 March 2019.

Place:

Date: Signature of Head of the Institution



NATIONAL WORKSHOP ON “WATER RESOURCES DEVELOPMENT AND MANAGEMENT”

22 MARCH 2019

Organized as a part of the celebrations of
World Water Day

By

Department of Geo-Engineering
Andhra University College of Engineering (A)
Visakhapatnam-530003, Andhra Pradesh, India

in association with
Indian Society of Geomatics (ISG)
Visakhapatnam Chapter
&
Indian Society of Remote Sensing (ISRS)
Visakhapatnam Chapter

Convener

Prof. G. Jai Sankar

Sponsored by

**AU College of Engineering (A)
Under TEQIP-III**