

Two-Day National Workshop  
on  
**Remote Sensing in water resources  
evaluation and sustainable  
management**

**March 22-23, 2017**

In Commemoration of  
**WORLD WATER DAY-2017**

Convener

**Prof. P. Jagadeeswara Rao**

Under Technical Education Quality  
Improvement Programme (Phase-II)



**Organised by**

**Department of Geo-Engineering**  
College of Engineering (A)  
Andhra University  
Visakhapatnam-530 003  
Andhra Pradesh

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

**Patrons: Prof. P. S. Avadhani**  
Principal, College of Engineering (A)

**Prof. V. Uma Maheswara Rao**  
Registrar, Andhra University

**Organising Committee**

Convener : **Prof. P. Jagadeeswara Rao**

Co-Conveners : **Prof. E. Amminedu, HOD,**  
**Prof. G. Jai Sankar**  
Dept. of Geo-Engineering

**Guest Speakers:**

1. Prof (Rtd). V. Venkateswara Rao, Geo-Engg. Dpt
2. Prof. G. Krishna Rao, (Rtd) Emeritus Professor
3. Sri. K. S. Sastry, AP Ground Water Dept.
4. Dr. V. S. R. Krishna, CGWB, Visakhapatnam

**Important Dates:**

Submission of Registration form: **15-3-2017**  
Intimation to selected candidates: **20-3-2017**

**Registrations:**

Interested participants are requested to submit the registration form on or before 15-3-2017 through E-Mail (pjr\_geoin@rediffmail.com) or by post. Selected participants will be intimated through E-mail or mobile phone.

All Correspondence should be addressed to  
**Prof.P.Jagadeeswara Rao**, Convener  
Dept. of Geo-Engineering, AU College of  
Engineering (A), Andhra University,  
Visakhapatnam-530 003

**About Workshop**

Water is a renewable natural resource which is becoming scarce and polluted due to unscientific anthropogenic activities. The finite water resources are not catering to the needs of the ever increasing population, industrial and allied activities resulting in rationing, scarcity, etc. To minimize the water woes, it is better to study the available resources in an integrated approach and plan different development strategies. On one side, surface water is being polluted and another side groundwater is also getting polluted due to saltwater contamination. The UNO has already identified the countries which are going to face severe water crises by the year 2025. Unfortunately, India is one among those countries. Geospatial technology is one of the decision making tools which provide necessary inputs for understanding spatio-temporal variations in groundwater resources. Keeping in view of the urgency, a two-day workshop is being organized to bring together academicians, scientists and students to deliberate on various aspects of the water scenario in the country.

**About Andhra University**

Andhra University, established in 1926, with its sprawling campus overlooking the Bay of Bengal in Visakhapatnam, is one of the reputed academic institutions in India, offering 200 different courses in Arts, Commerce, Management, Science & Technology, Engineering, Law, Pharmacy and Education through its five constituent colleges, catering to the educational needs of the five coastal districts of the State of Andhra Pradesh, besides

hundreds of students from other parts of India and abroad.

### **College of Engineering (A)**

The College of Engineering, one of the five campus colleges, is a jewel in the crown of Andhra University consisting of 11 Engineering and 4 Basic Sciences departments, offering 17 Under-Graduate Engineering day-time programmes and 4 UG Engineering part-time programmes; 35 Post-Graduate Engineering programmes, 1 MCA and 3 M.Sc. programmes in various departments. All the departments are also running Ph.D. programmes in different fields of research. Accredited with very high ranking by NAAC and NBA, it has several Centres of Excellence in various specialized fields of research. These include International Center for Bioinformatics, Advanced Center for Nano Technology, Center for Biotechnology and Center for Phase Equilibrium Thermodynamics, Center for Energy Systems, Center for Condition monitoring & Vibration Diagnostics, Centre for Research on Off-Shore Structures and Center for Remote Sensing and Information Systems. The College of Engineering has been conferred autonomous status by UGC, and receives substantial funding through World Bank aided TEQIP.

### **Department of Geo-Engineering and Centre for Remote Sensing**

The Department of Geo-Engineering and Centre for Remote Sensing is an inter-disciplinary Department, involving in research in resource evaluation, disaster management, etc. using the modern geospatial technologies. The

Department runs M.Tech. course in Remote Sensing, M.Tech. course in Geo-Engineering and a 4-year B.Tech. course in Geo-informatics Engineering.

### **About Visakhapatnam**

According to history, the city was named after the god of Velor-Visakha. It was a part of the Kalinga Kingdom, under Ashoka's rule in 260 B.C. Visakhapatnam is a coastal city, popularly called "The jewel of the East Coast" and "City of Destiny" is in the state of Andhra Pradesh. It is located on the East Coast with beautiful beaches and hill ranges is a major tourist destination. There are a number of tourist places such as Simhachalam temple, Kailasagiri Hills, Submarine Museum, Dolphin's nose, Ramakrishna Beach, Ross Hill, Bheemunipatnam, Erra Matti Dibbalu, Araku Hills, Borra Caves, etc.

### **Themes of the Seminar**

1. Role of spatial technology in water resources evaluation and management
2. Water scarcity and global challenges
3. Water resources and regional development
4. Groundwater assessment and management
5. Managing water quality for sustenance of life
6. Artificial recharge and sustainable groundwater development

### **REGISTRATION FORM**

(copies of this form can be used for submission)

Name :  
Designation :  
Organisation :  
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 "Remote Sensing in water resources evaluation and sustainable management at the Department of Geo-Engineering, AU College of Engineering (A), Visakhapatnam from 22-23 March, 2017.

Place: \_\_\_\_\_ Signature of Head of  
Date: \_\_\_\_\_ the institution