

ABOUT JNTUH, HYDERABAD

Situated in the heart of the city at Kukatpally a major landmark-Jawaharlal Nehru Technological University, Hyderabad has an environment of academic excellence with 'A' Grade accreditation by NAAC (National Assessment and Accreditation Council). Bringing the spark of knowledge to young minds and instilling a new confidence and vigour to face the world, it is providing quality education for nearly 4 decades. The territorial jurisdiction of the university covers the areas of Hyderabad, Rangareddy, Medak, Nizamabad, Adilabad, Karimnagar, Warangal, Khammam, Nalgonda and Mahboobnagar districts of Andhra Pradesh State. This university has been deemed an autonomous one after Act No 30 of the approval of the Andhra Pradesh Legislature known as the Jawaharlal Nehru Technological Universities Act, 2008 which came into force on 18th August, 2008. It is a teaching cum research oriented university consisting of the constituent and affiliated colleges. A premier institution with academic and research oriented courses, the B.Tech programs (Undergraduate programs) are about 25. The Post-Graduate programs for about 77 in number namely M.Tech, MSIT, MBA, MCA and MSc. The major branches are Bio-Technology, Chemical Engineering, Civil Engineering, Remote-Sensing & GIS, Electronics & Communication Engineering, Water Resources, Mechanical Engineering, Nano-Technology, Energy Systems, Environmental Studies, Microbiology, Food-Technology and many more like Management, Computer Applications, and Pharmaceutical Sciences etc.

ABOUT CENTER FOR WATER RESOURCES (CWR), IST, JNTUH, HYDERABAD

The Center for Water Resources (CWR) which forms a part of the Institute of Science and Technology, JNTUH Hyderabad was established in the year 1984 with the funding from the ministry of Education and Culture, Government of India to impart training in the management of water resources in an advanced level and to undertake research and development activities in the field of water, land, and environmental management and other related areas. Since then the center has acquired a reputation among user agencies like State and Central Government Departments and other public sector and private organizations as an apex body for imparting training and undertaking field oriented research projects in water and environmental management.

In the past decades the activities of the centre has been greatly diversified and is concentrated on water and environment for sustainable development. Central Public Health Engineering and Environmental Organization (CPHEEO) has recognized this centre as one of the renowned institutes offering P.G. courses in water and environment. Research projects were taken up in many areas of Water Resources and environment at National and International levels. The centre is well known for its technical excellence and infrastructure facilities such as latest version of software and highly sophisticated instruments.

ABOUT HYDERABAD

Hyderabad, a 400 year old city, is the capital of State of Andhra Pradesh, India. The city presents an Attractive amalgamation of ancient architecture, together with ebullience of growth and enterprise of the modern world. Hyderabad, often called The Gateway of The South, blends the north and south Indian identities. The city of Hyderabad is famous for its minarets and its pearl bazaar. Hyderabad is at an altitude of 536m above Mean Sea Level and is a seat of number of Research and Development Organizations of national and international importance besides being a host for half a dozen Universities. During the course period the Hyderabad will be experiencing winter days with day time temperature around 30^o c and night time temperatures will be around 15^o c.

OVERVIEW OF THE COURSE

The objective of the two week FDP is to provide a forum for presenting and discussing the latest trends in the areas of RS, GIS and GPS applications for disaster management. Remote sensing (RS), Geographic Information System (GIS) and Global Positioning System (GPS) provide extremely useful tools for environmental, water resources and disaster management. They are widely recognized as supporting tools for the planning, monitoring, development and management of the appropriate utilization of resources at micro to macro level. Various tools, which can be applied to address water, environment and various disaster related problems and the role that the professionals can play in managing disasters in their respective areas would be discussed.

A.I.C.T.E. - SPONSORED NATIONAL LEVEL

FACULTY DEVELOPMENT PROGRAMME

on

Applications of Geomatics for Disaster Management (AGDM-2013)

Scheduled during 30th December 2013 – 11th January 2014

REGISTRATION FORM

(Please mail the filled form to reach us on or before 10th December 2013)

Name: _____

Designation: _____

Address for communication: _____

Telephone: _____

Email: _____

This is to certify that Sri/Smt _____

_____ is permitted to attend the Faculty Development Programme on Applications of Geomatics for Disaster Management (AGDM-2013) to be held during 30th December 2013 – 11th January 2014 at CWR, IST, JNTUH, Hyderabad.

Accommodation required: YES/NO

Signature of the applicant

Signature of forwarding authority along with seal

Station:

Date:

(Photocopies of this form may be used.)

IMPORTANT DATES:

Last date for submission of registration form:

10th December, 2013

Information to the selected candidates through email:

11th December, 2013

Eligibility

• Faculty working in Universities, Engineering, Polytechnique and Degree colleges are eligible to participate in the FDP.

• Faculty from departments of Civil Engg., Geology, Geography, Geophysics, Hydrology, Watershed Management,, environmental management, Agriculture Engg., Agriculture Sciences and related branches/ disciplines.

REGISTRATION

The faculty development programme is offered to a limited no of participant (50) on first come first served basis. Selected teachers will be paid TA to the limit of sleeper class train fare by the shortest route from the place of work to Hyderabad and back. No registration fee for the course.

Accommodation:

Accommodation will be provided in the campus guest house for outstation participants and breakfast, working lunch and dinner will be provided at the course venue/ university dining hall.

Faculty:

Resource persons shall be drawn from NRSC, CGWB, INCOIS, SOI, NGRI, OU, AU, NIT's, IIT's, JNTUH and senior experts from Institutions and Industries.

Venue: Seminar Hall, Ground floor,
Institute of science and technology,
JNTUHYDERABAD,
Kukatpally, Hyderabad-500085

Course Content:

- Fundamentals of Remote Sensing and Geographical Information System. Radiation-Water interactions, spatial extent of water bodies
- Basics principals of Remote Sensing principals, GIS and GPS.
- Satellite image analysis and DEM creation.
- Hydrological Parameter Determination, using GIS such as surface slope, channel length and soil characteristics of watersheds.
- Rainfall-runoff modeling.
- Evapotranspiration mapping using GIS.
- Evaluation of land use and land cover changes and its effect on environment.
- Geo- Hydrology & Groundwater Modeling.
- Soil Erosion and Control practices.
- Landslides, Flood and Drought management using Geomatics.
- Integration and applications of RS and GIS for disaster management.
- Hands on practical training on Arc GIS 9.1 and ERDAS 8.7.

MAILING ADDRESS:

All correspondence should be addressed to:

Dr. M.V.S.S. Giridhar

Coordinator (AGDM-2013)

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**ALL India Council for Technical Education
(AICTE), New Delhi.**

Coordinator

Dr.M.V.S.S.Giridhar

Coordinator (AGDM-2013)

Centre for Water Resources

Institute of Science and Technology (IST)

JNT University Hyderabad

Kukatpally, Hyderabad -500085.

Organized by



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Hyderabad – 500 085.