

**NATIONAL LEVEL SUMMER WINTER SCHOOL TRAINING
ON
CAPACITY BUILDING FOR GEOSPATIAL TECHNOLOGY**

9TH JUNE 2014 – 29TH JUNE 2014

SPONSORED BY

**NATURAL RESOURCE DATA MANAGEMENT SYSTEM
(NRDMS)**

**DEPARTMENT OF SCIENCE AND TECHNOLOGY
(DST) Govt. of India, New Delhi**

ORGANISED BY

**DEPARTMENT OF GEOGRAPHY
MAHARSHI DAYANAND UNIVERSITY
ROHTAK (HARYANA) 124001**

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Venue

Department of Geography, M.D.University,Rohtak

PREAMBLE:

The ecological system, the very base of production is under great stress in many parts of the world due to growing pressure of human and livestock population. The ever increasing population, severe deforestation, soil erosion, sedimentation of watersheds, floods, droughts, desertification and hosts of related factors have been exerting pressure on our natural resources. The challenge is to make these resources more productive and their exploitation less hazardous. In monitoring the real world and adjusting human activities in constructing the future world towards sustainable development, planning is the controlling system. A strategy based on integrated management of land, water and other resources coupled with appropriate technologies should be adopted. However, conventional methods for planning/development have to be reviewed to incorporate parameters arising out of social, environmental and other related socio-economic factors. There is a need of the hour to use latest technology for such achievement.

These issues can be addressed by Geospatial Technology in greater perspective and can evolve workable solutions and alternatives to improve the decision tools for development in foreseeable future. Geoinformatics technology includes Remote Sensing, Geographic Information System (GIS) and Global Positioning System (GPS). Keeping in view all this, we propose to organize a 3 week **Winter School Training On Capacity Building For Geospatial Technology** during 9th JUNE 2014 to 29th JUNE 2014 in the department of Geography. The programme will focus on imparting the knowledge to the participants on theoretical concepts of geospatial technology and hands on training on various GIS softwares particularly open source softwares.

OBJECTIVES:

The main objectives of the proposed winter training school are:

1. To give exposure of concepts, skills, tools of geospatial technology to University, College teachers etc. Special emphasis will be given to enhance their knowledge and skills through practical exercises on open source softwares which are freely available.
2. To train teachers in the use geospatial technology for preparing resource inventory and its applications in various fields like land, water, forestry, agriculture, urban etc.
3. To provide an opportunity to the faculty members of University/ College/ Institute to interact themselves and also with the resource persons of repute from all over India.

THE DEPARTMENT:

The Department of Geography was established in the year 1983 with an objective of imparting teaching at Master's level. With passage of time the department expanded and new programmes were added in the list. In the year 1990, M.Phil programme was introduced. In 2008, a **Post Graduate Diploma in Remote Sensing and GIS** was started. This programme was subsequently upgraded into **M.Tech in Geoinformatics**. With a capacity of 20 students, two years programme i.e. **M.Sc Geoinformatics** was introduced in the year 2010. Housed in a spacious building, the department is equipped with a team of qualified faculty with adequate experience and superior academic credentials. The department has developed a state of the art fully air-conditioned **Remote Sensing, GIS and Image Processing Lab** with latest computers with full power back-up. In addition, the department possesses modern equipments for teaching and research in the area of Geoinformatics like Scanners, Work Station, Digital Photogrammetric Station, Coloured and Black & White Laser Printers along with latest image processing and GIS softwares. It is due to its infrastructural strength and qualified staff in the field of Geoinformatics that the Department could hold NRDMS (DST) sponsored workshops on Geospatial Technology in quick successions in 2011 and 2012. The department added another feather in its cap when it successfully organised **International Geographical Union (IGU) Conference on Geoinformatics for Biodiversity and Climate Change during 14-16 March 2013**.

BOARDING AND LODGING:

There is no registration fee. The training programme is sponsored by the Department of Science of Technology (DST), Government of India, New Delhi. Registered participants will be paid TA as per DST/ M.D.University Rohtak rules and on the availability of funds. They will be provided all hospitality during their stay at Rohtak. Accomodation (on sharing basis) will be provided in the University Faculty House/ Transit Hostel etc.

WHO CAN APPLY ?

Basic aim of the training programme is **Capacity Building for Geospatial Technology**. Teachers working in University Teaching Departments (UTDs), Recognised Colleges and Institutes can take part in this training programme. They can be from Faculty of Social Sciences (Geography, Economics), Faculty of Physical Sciences (Physics, Geophysics, Geology, Mathematics, Statistics and Computer Science), Faculty of Life Sciences (Botany, Zoology, Environmental Science and Agriculture Science) , Faculty of Engg. and Technology and Urban Planning.

Due to limited seats, selection will be made on first cum first basis. Teachers who have applied earlier need not to apply again. The registration form is enclosed herewith. Application duly filled in may be sent to the Coordinator through e-mail: **msrana241@gmail.com** latest by 30th May 2014. Pls feel free to contact Coordinator on mobile number **09416306053**.

DEPARTMENT OF GEOGRAPHY
MAHARSHI DAYANAND UNIVERSITY ROHTAK (HARYANA) 124001

APPLICATION FORM

DST SPONSORED WINTER SCHOOL FOR CAPACITY BUILDING AND TRAINING FOR GEOSPATIAL TECHNOLOGY

Name.....

Designation.....

Affiliation.....

Subject.....

Highest Qualification.....

Degree/Diploma/Certificate Course in Remote Sensing and GIS..... Yes/ No

If yes, then specify.....

Computer Skills.....

Any workshop/ programme attended on Remote Sensing/ GIS : Yes/ No

If yes, mention year.....Duration of workshop/programme.....Place.....

Accommodation required: Yes/ No

Address for Correspondance.....

.....

Contact No (s) Mobile Landline.....

E-mail.....

Signature of candidate

Forwarding Authority
(With Seal)

Date:

Place: