

Please note that;

1. There are 25 seats only.
2. Admission to the programme is on first cum first serve basis (based on the eligibility criteria).
3. The candidates would incur extra charges for family accommodation.
4. Participants are requested to bring their own laptops.
5. It is compulsory for all participants to send their applications through proper channel.

Correspondence:

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Ms. Aisha Sharma

Mr. Girish Chauhan



**21 DAYS SUMMER SCHOOL
ON**

**GEOSPATIAL
TECHNOLOGIES**

(21 JULY - 10 AUGUST, 2015)



Sponsored by

NRDMS, Department of Science and
Technology (DST), Government of India, New Delhi

Organized by

Geo-informatics and Building Technology Research Centre
Department of Civil Engineering, Chitkara University
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Introduction

Geospatial technology is the synergy of multiple disciplines, namely GIS, remote sensing, photogrammetry, GPS, Information Technology and geodesy. It is fundamental to all the disciplines which use data identified by their locations. Geomatics deals with spatial and non-spatial data, their methods of acquisition, management, analysis, display and dissemination. Applications of geomatics are mainly oriented to real world management problems pertaining to natural and man-made environments. Geospatial technology is an increasingly universal information processing system and its ubiquitous nature poses new research challenges and provides new opportunities for novel and interesting applications.

Participants from any field of Earth and Environmental Sciences, Civil Engineering, Military Science and Disaster management from Colleges and Universities will be trained. First week will be devoted to develop theoretical understanding of technology. Second week will focus on theoretical and practical aspects of technology. The third week will be exclusively on application of Geospatial technology using software like ArcGIS Quantum GIS, ILWIS etc. The participants will be expected to prepare a small project on the specified theme.

The classes will be taken by eminent Teachers and Scientists from various Universities, IIT, NIT, IIRS, ISRO centres and other scientific institutes from all over India.

About Geoinformatics and Building Technology Research Centre (GBTRC)

The GBTRC within the Department of Civil Engineering is a Research Centre under the aegis of CURIN. The centre focuses on state of the art engineering research and the key mission of the GBTRC is to conduct applied research in civil and environmental engineering. The major goal is to use the latest tools and techniques to come up with innovative research designs that can

make life easier. In this perspective, research in advance engineering and technology, such as the use of Geographical Information System (GIS) and advanced remote sensing know-how, water resources research, building technology and new building material research in particular is of principal importance. The centre provides an opportunity to pursue exploratory projects in diverse areas of engineering and brings together a team of dedicated researchers who push the limits to achieve the goals. At present GBTRC has the following facilities: Arc View Lab kit version 10.2, STAAD Pro, Primavera, Autocad Microstation + MX Road + Water GEMS + Sewer GEMS QGIS etc. These softwares are mainly used by research scholars and faculty members.

Objective of the Summer School

1. Conducting one basic course of three weeks duration in the field of Geospatial Technology.
2. The course intends to impart training mainly to the faculty members of colleges/universities; scientists, state/central government officials, Disaster management planners research scholars and secondary school teachers.

Course Content:

Introduction to geospatial technologies (RS, GIS, GPS), concepts and principles. Remote sensing data and their characteristics;

Advanced visual interpretation and digital image processing algorithms. Basic and advanced data models in GIS - Future of GIS. GPS – basic principles-components – applications. Geospatial technologies for resource management and disaster management and planning; Field visit and mini project.

The training would be conducted in the following two sessions: Morning session: 10 AM to 1 PM (Theory), Afternoon session: 2 PM to 5.00 PM (Practical).

Eligibility Criteria

The NRDMS (DST) training is open for participants of college/university teachers; scientists, state/central

government officials, disaster management planners research scholars / fellows and secondary school teachers. The participants should possess M.Tech / ME / M.Sc. degree from any of the recognized universities in civil engineering/ earth sciences / Soil Science/Hydrology/ Water Resource Engineering/ Soil and Water Conservation /Agronomy/ Forestry/ Horticulture/ Land Resource Management / Remote Sensing & GIS/Geography/Geology or Bachelor degree with 2 year working experience in geospatial application and/or any other relevant subjects having relevance of using geospatial technologies in their fields of research or teaching. Participants will be selected on the basis of their qualification and ability to benefit from the training. The total no. of seats in the training programme will be 25 (Twenty Five) only.

How to Apply:

Eligible and interested participants are requested to send their applications in the prescribed format by email or post to Dr C. Prakasam, Coordinator, Summer School, Geoinformatics and Building Technology Research Centre, Department of Civil Engineering, Chitkara University, District – Solan, Himachal Pradesh – 174103, Email: c.prakasam@chitkarauniversity.edu.in. The last date for the receipt of the application is 8th July, 2015. The candidates selected for the training programme will be informed by 11th July, 2015.

Travel

The participants will be paid to and fro travel fare by Sleeper Class /Third A C (Except Rajdhani/ Duronto) and bus fare. Actual TA will be paid on production of tickets by the participant for journey from the place of duty to the training course location and back by the shortest route (Within India only).

Boarding and Lodging

Boarding and lodging is free. For the out-station participants, accommodation on sharing basis will be available in the university guest house/ hostel. In case any participant requires family accommodation, extra charges would apply.

Geo-informatics and Building Technology Research Centre

Department of Civil Engineering,

Chitkara University Solan, Himachal Pradesh – 174103

Application format for NRDMS, DST, Govt. of India Sponsored 21Days Summer

School on Geospatial Technologies

(21 JULY - 10 AUGUST, 2015)

Paste duly
signed
passport
size
photograph

1. **Name (Block Letter)** :
2. **Date of Birth** :
3. **Age (as on 30th June, 2015)** :
4. **Category:**

SC	ST	OBC	General
Male		Female	
Visually Challenged		Physically Challenged	

5. Address:

Institutional/College/University Address Email: Tel Phone: Mobile :	Mailing Address: Telephone Mobile : Email:
Please provide these details correctly since correspondence will be made on these mobile numbers and email	

6. Residential Requirement :Yes/No

7. Academic Qualifications (Please fill the relevant information)

Examination	Subject(s) and Specialization /Topic	Percentage of Marks / Grade	University	Year
BE / B.Sc				
M.Tech/ ME / M.Sc.				
Ph. D.				
PDF				
Any other				

8. Research Interest/Post Doctoral Work:

9. Subjects of your special interests*:

10. Justify your Selection for the Course:

*(Specify the need of this course, softwares known, research and work experience in this field)**

11. Details of Publications in last Three Years*:

**(If Required add Separate sheet)*

12. Declaration:

I hereby declare that the entries made in this application form are true to the best of my knowledge and belief

Dated:

Signature of the Applicant

13. Certificate from University/College/Institution

Certified that Dr/Mr./Ms/Miss. -----has been working in this University/College/Institute as ----- in the pay scale of -----in (subject) -----since-----.

We shall be happy to sponsor him/her if selected for the First NRDMS, DST, Govt. of India Sponsored Summer School on **GEOSPATIAL TECHNOLOGIES** to be conducted on and from 21st July to 10th August 2015 by the **GBTRC, Department of Civil Engineering, Chitkara University, Himachal Pradesh – 174103.**

Date:

Signature and Seal of the Forwarding Authority

Place:

PLEASE NOTE:

1. The last date for receipt of form is July 8th 2015. Any application received after this will not be accepted. We shall process only those application forms which are submitted through proper channel (Signed by authority).
2. Application form can send by email also (c.prakasam@chitkarauniversity.edu.in)