Travel
The participants will be paid to and fro travel fare by Sleeper Class / Third AC (Except Rajdhani/ Duronto) and normal bus fare. Actual TA will be paid on production of original 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.

Please note that;
1. There are 30 seats only.
2. Admission to the programme is on first come 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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Associate Professor
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Professor cum Registrar
Chitkara University
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Himachal Pradesh

Dr. Madhu Chitkara
Pro-Chancellor, Chitkara University
Himachal Pradesh

Brig (Dr) R.S. Grewal, VSM (Retd.)
Vice-Chancellor, Chitkara University
Himachal Pradesh

Organizing Committee:
Col. Kulwant Singh (Retd.) Prof L.D Garg
Prof Arun Gupta Dr. Anshu Tomar
Dr. M.S. Chauhan Mr. Nitin Sohal
Ms. Dipali Sharma Mr. Gurmohan Singh
Mr. Abhishek Kanoungo Mr. Akhil Shetty
Mr. Pankaj Kumar Ms. Monika Sharma
Ms. Aisha Sharma Mr. Nitish Sharma
Mr. Sanjeev Bhardwaj Mr. Preetam Chand
Mr. Girish Chauhan Mr. Prince Dhiman
Mr. Sushil Sharma Mr. Vivek Sharma
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 wider range of applications.

Participants from any field of Earth and Environmental Sciences, Civil Engineering, Military Science and Disaster Management from Colleges and Universities are welcomed in the training programme. 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 Open Source Software like Quantum GIS, SAGA GIS and ILWIS. The participants will be expected to prepare a small project on the specified theme. The classes will be taken by eminent Professors and Scientists from various Universities, IITs, NITs, IIRS, ISRO centres and other reputed 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 key mission of the GBTRC is to conduct applied research in Geo-Informatics, Civil and Environmental Engineering. The major goal is to use the latest tools and technologies to produce innovative designs that can benefit our way of work. In this perspective, research in advance engineering and technology, such as the use of Geographical Information System (GIS) and Remote Sensing know-how, Water Resources Research, Building Technology and new Building Material Research in particular is of utmost 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 goal. At present, GBTRC has the following facilities: Arc View Lab kit version 10.2 (31 User Pack), STAAD Pro, Microstation + MX Road + Water GEMS + Sewer GEMS and QGIS, SAGA GIS and ILWIS. These softwares are mainly used by students, research scholars and faculty members.

Objective of the Summer School
1. Conducting one basic course of three week’s 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 Curriculum
The course for the Winter School Training will include theory sessions, guest lectures, field sessions as well as lab sessions besides assignments and completing a mini project.
Tentative topics that will be covered are given below:

Who can apply?
The NRDMS (DST) Training is open for participants of college/university teachers; scientists, state/central government officials, disaster management planners, Scientific officers, research scholars / fellows and secondary school teachers. The participants should possess M.Tech / ME / M.Sc, etc., degree from any of the recognized universities in any branch of Civil engineering /Earth sciences / Soil Science / Hydrology/ Geomorphology / Water Resource Engineering / Soil and Water Conservation / Ecology and Biological Sciences/ Disaster management / Environmental Science / Agriculture Science /Agronomy/Forestry/ Horticulture/Land Resource Management / Remote Sensing & GIS/ Geography/ Geology / Glaciology / Land Surveying/ Geosciences/ Atmospheric Science / Computer Sciences / Resource Management / Town Planning or Bachelor's Degree with 3 years work 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 number of seats in the training programme will be 30 (Thirty) only.

How to Apply?
Eligible and interested participants are requested to send their applications in the prescribed format to Dr C. Prakasam, Coordinator of Winter School, Associate Professor, Geoinformatics and Building Technology Research Centre, Department of Civil Engineering, Chitkara University, Atal Nagar, Barotiwa - Post, District – Solan, Himachal Pradesh – 174103. The last date for the receipt of the application (By email & Speed post) is 10th November, 2016. The candidates selected for the training programme will be informed by 15th November, 2016.
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 Winter School on Geospatial Technologies  
(1st to 21st DECEMBER 2016)

1. Name (Block Letter) :
2. Date of Birth :
3. Age (as on 30th Nov, 2016) :
4. Category:
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<tr>
<th>SC</th>
<th>ST</th>
<th>OBC</th>
<th>General</th>
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</thead>
<tbody>
<tr>
<td>Male</td>
<td>Female</td>
<td>Visually Challenged</td>
<td>Physically Challenged</td>
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</tbody>
</table>
5. Address:
   | Institutional/College/University Address | Mailing Address: |
   | Email: | Email: |
   | Tel Phone: | Telephone |
   | Mobile : | Mobile :
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)

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<th>Examination</th>
<th>Subject(s) and Specialization/Topic</th>
<th>Percentage of Marks / Grade</th>
<th>University</th>
<th>Year</th>
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<td>Any other</td>
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</tbody>
</table>
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 NRDMS, DST, Govt. of India Sponsored Winter School on GEOSPATIAL TECHNOLOGIES being conducted by GBTRC, Department of Civil Engineering, Chitkara University, Himachal Pradesh – 174103 from 1st to 21st December 2016.

    Date:                                    Signature and Seal of the Forwarding Authority

Place:

PLEASE NOTE:
1. The last date for receipt of form (by email and Speed post) is November 10th 2016. 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 must send by email and speed post also (c.prakasam@chitkarauniversity.edu.in).