

### **Introduction:**

Learning through education and training play vital role in the utilization of technology. Science and technology are advancing every day. The use of this technology in the natural and built environment helps to improve the quality of life. Government policies and decisions support the use of geospatial tools in various sectors of governance. Urban planning, environmental planning, industrialization, slum upgradation (mapping), land management are a few areas from many areas where the geospatial technology has become a baseline for decision making at national level. The basic question is mismatch between the developments in geospatial science and technology sector versus its utilization. There remains a gap between the supply and the demand. Remote Sensing, GIS, Data base Management System, Global Positioning System and Web-based Mapping Technologies are the major components of Geo-Spatial Technology. It is using range of modern tools to describe earth resources and human society with the use of software.

Proprietary software of these technologies are very costly and only few large institutions/ Universities/ Organisations can afford to maintain their laboratories. Now a day's open source technologies and tools of geo-spatial technologies have provided opportunities to everyone to use these technologies for research and development. For this purpose there is a need of wide spread awareness training facilities for the open source technologies available free on internet.

### **CEPT University:**

CEPT University focuses on understanding, designing, planning, constructing and managing human habitats. Its teaching programs build thoughtful professionals and its research programs deepen understanding of human settlements. CEPT University also undertakes advisory projects to further the goal of making habitats more liveable.

The University comprises of five faculties; Faculty of Architecture, Faculty of Planning, Faculty of Technology, Faculty of Design, Faculty of Habitat Management

CEPT University takes its name from the 'Centre for Environmental Planning and Technology' (CEPT). CEPT and the various schools that it comprised were established by the Ahmedabad Education Society with the support of the Government of Gujarat and the Government of India. The Government of Gujarat incorporated CEPT as a university in 2005. The University Grants Commission recognized CEPT University under section 2(f) of the UGC Act, 1956 in 2007.

### **Faculty of Technology:**

CEPT established the School of Building Science and Technology (SBST) in 1982 that focuses on the issues concerning Construction, Design & Management of Human Habitat. SBST is renamed as a Faculty of Technology. It offers five-year Undergraduate program (UG), Bachelor of Technology (Hons.) and two years M.Tech in five specialisations:

Construction Engineering & Management (CEM); Structural Engineering Design, Infrastructure Engineering Design, Geomatics and Building Energy Performance.

### **About Geomatics Programme:**

Faculty of Technology offers M Tech in Geomatics. It is a field with ancient roots, modern relevance, and an eye to the future. Geomatics is both applied science and professional discipline. Geomatics popularly known as Geo-Informatics refers to the mathematics, science and technology used to study spatial information science.

Remote Sensing and GIS is being taught since 1987 in CEPT. Masters in Geomatics has become full time program from 2008 with cutting edge course design evolved seeing the latest technologies and applications for natural and built environment.

### **Objectives of the Training Programme:**

- To generate an interest and awareness among the scientists, academia and researchers for the use of open source software for Geospatial Applications.
- To teach University Teachers and researchers to include open source software in respective curriculum
- To train Government Employees and NGO Professional's to adopt this tool in their administration and governance.

### Who can apply?

Faculty member of colleges & universities and state/central government officials who wish to develop their skills in geospatial technologies. The candidate must be nominated by the respective organization. How to apply Eligible and interested candidates are required to send duly filled form (attached herewith) or download it from our website and forward the completed application by email to [geotech@cept.ac.in](mailto:geotech@cept.ac.in) with the nomination letter of the Principal/ In-charge/ Director of your college/ Institute/ offices. Applications without the nomination letter of the concerned organization will not be accepted.

### Application deadline:

The last date for the receipt of the filled up application is 1<sup>st</sup> November, 2016. The candidates selected for the training program will be informed by 6<sup>th</sup> November, 2016.

### 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 bases 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 provided. In case any participant requires family accommodation, extra charges would apply.

### Important Dates:

Winter School duration	November 14 to December 3, 2016
Last date of Application Submission through E-mail.	November 9, 2016
Intimation to Selected Candidates	November 10, 2016
Confirmation from the Candidates	November, 2016



### Training Co-ordinator:

Prof. Anjana Vyas *Ph D*  
Faculty of Technology  
CEPT University, Ahmedabad  
Ph: 079- -79-26302470 Ext: 303  
Email: [geotach@cept.ac.in](mailto:geotach@cept.ac.in)



CEPT  
UNIVERSITY

## 21 DAYS WINTER SCHOOL ON GEOSPATIAL TECHNOLOGY

(14<sup>th</sup> November – 3<sup>rd</sup> December, 2016)



### Sponsored by

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

### Organized by

CEPT-ICA-OSGeo Lab  
Faculty of Technology  
CEPT UNIVERSITY  
K. L. Campus, University Road  
Navragpura, Ahmedabad-380009  
[www.cept.ac.in](http://www.cept.ac.in)