



***** CALL FOR APPLICATIONS *****
Cartography Lab., Department of Earth Science,
Gujarat University, Ahmedabad, India



Course	Course Name (Off-line)	Date
T-151	Five Days "Cartographical Training on Transformation of Manual GIS to Next generation Digital GIS"	9th – 13th January 2023

Event Timing : 10:00 A.M. to 5:00 PM (Total 30 Hours Course)

Level of the training: International / Beginner - Intermediate

Deadline to apply : **2nd January 2023**, IST midnight 12'o clock.

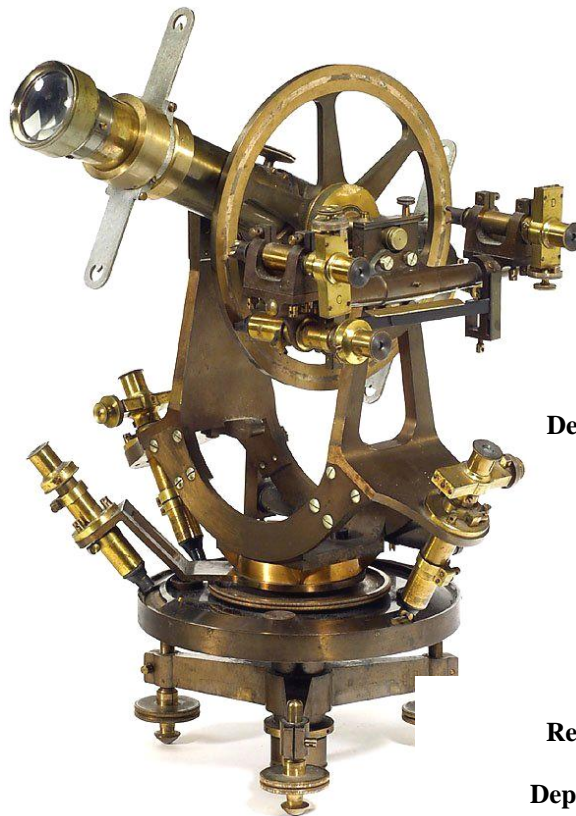
Registration Link: <https://forms.gle/pfS2f7YmLf7hhXVR8>



Patron
PROF. DR. HIMANSHU PANDYA
Honourable Vice Chancellor,
Gujarat University



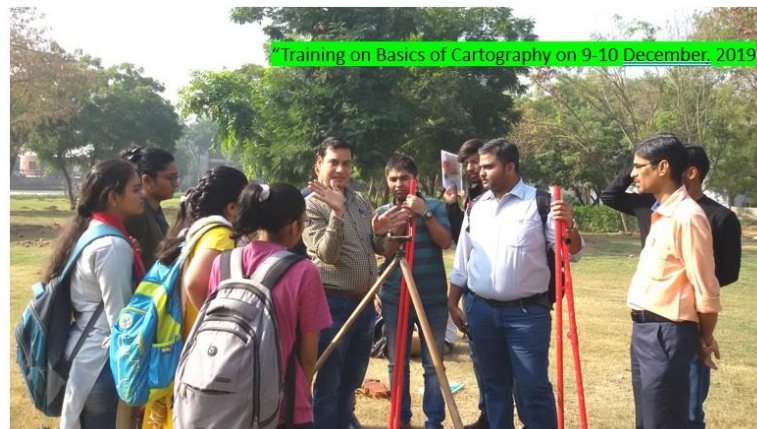
Guest of Honour
DR. P. M. PATEL
Registrar,
Gujarat University



Convener: Dr. Shital Shukla,
Head of the Department,
Department of Earth Science, GU.



Co-Ordinator &
Resource Person: Dr. Ajoy Das,
Cartographer,
Department of Earth Science, GU.



Place & Venue:

Cartography Lab., Department of Earth Science,
6th Floor, Vivekananda Shikshan Sankul Building,
Gujarat University, Ahmedabad-380 009, India.



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The **Cartography Lab** is launching this training aimed to provide advanced training for young scholars, students, and Faculty members on Cartographical sciences. Before starting a mapping exercise, people need to learn the basic concepts of Cartographic methods.

OBJECTIVES:

The objective of the training is to create a community of young scholars from a broad range of disciplines, ranging from environmental and natural resource economists to Geographers, Geo-information professional, system analyst and environmental scientists, interested in the topic of modelling human activities and the earth system in an integrated framework, commonly referred to as Cartographic methods.

The training will cover the basics of cartographic principles, methods and the interaction between economic activities and the energy system, land use, forest and agriculture, water, flora & fauna species, atmosphere, and whether. Also how these multidimensional methods could be shown for the preparation of various thematic Maps by using various environmental spatial data?

TOPICS FOR T-151: FIVE DAYS "CARTOGRAPHICAL TRAINING ON TRANSFORMATION OF MANUAL GIS TO NEXT GENERATION DIGITAL GIS"

Phase-I: Basics of Manual GIS	Phase-II: Digital GIS
History of the Cartography, Cartographic Principles	GIS attributes and spatial database creation: Field Survey
Scales, Spheroid, Projections, Distortion	GPS survey, Geospatial entity creation and Geodatabase formation
Different Cartographic Methods	Shape file and Topology creation etc.
Field Survey: Data type, Data sample (Collection, Strategies, and design) and geospatial database creation	Satellite data Interpretation, geospatial data extraction and modelling
Manual data collection & Manual data plotting and mapping	Manually collected field data transferred to digital platform
Introduction to GIS & Remote Sensing	Thematic layer creation: Using Overlay, buffer, Clip etc.
Introduction to Global Navigation Satellite System (GNSS)	Preparation of Maps with the Symbology: Project

TARGET PARTICIPANTS

Graduate students (BA/BSc/BTech/BCA, or MA/MSc/MTech/MCA, or MPhil, PhD) and professionals from any university, research institute, or other organization (private companies, government agencies, NGOs) with an interest in Cartography, Geology, Geoinformatics, Geography, Botany, Zoology, Chemistry, Physics, Computer Science, Environment Science, Climate Change, Data sciences, Disaster Management are encouraging to apply.

Number of students: The maximum number of students is 50.

HOW TO APPLY

Applicants are requested to fill the application form available from the link given below:

<https://forms.gle/pfS2f7YmLf7hhXVR8>

All selected Participant needs to submit the second dose of Covid19 Vaccine certificate and requested to follow the Covid19 protocols during the training.

COSTS

Registration Fees: For National participants of BA/BSc/MA/MSc/MTech/MCA/MPhil INR 1000/-, for PhD/ Faculty/ Others INR 1500/- and international participants \$50 (excluding accommodation and foods). Registration fees are including the cost of Registration Kit & hard copy Certificate only. There will be no TA/DA for attending the training. After selection confirmation submit the registration fees to Dr. Ajoy Das, Department of Earth Science, Gujarat University before 02nd January 2023.

Note: Food and Accommodation assistance will be provided to participants if required with extra cost as per applicable rates.

The registration fees are non-refundable. Participation Certificate will be provided after successful completion of the training.

IMPORTANT DATES

Announcement of accepted applicants: **After successful submission of application on or before 02nd January 2023.**

ACCOMODATION

There is no accommodation facility available on the Gujarat University Campus right now. If accommodation is required for any out-station participants, then help would be provided with the advance payment from Participants, or they can arrange themselves through online booking also. There are numbers of hotels available within 5 kms. around our university campus.

Convener

Dr. Shital H. Shukla, *Head of the Department*
Department of Earth Sciences, School of Sciences
Gujarat University, Navrangpura,
Ahmedabad, India

Coordinator & Resource Person

Dr. Ajoy Das, *Cartographer*
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Gujarat University
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PREVIOUS TRAINING FILE PHOTOGRAPHS FROM DECEMBER, 2019

