

L. D. COLLEGE OF ENGINEERING AHMEDABAD

L.D. College of Engineering, Ahmedabad popularly known as L.D.C.E is Gujarat's premier engineering college situated at city's heart surrounded by elite organization Like PRL, ATIRA, ISRO, IIM and CEPT. Started in 1948 with an aim of imparting quality higher education in various fields of engineering, it has seen unprecedented growth. It is affiliated with Gujarat Technological University & administrated by Department of Technical Education, Government of Gujarat. Civil engineering is a professional engineering discipline which deals with the design, construction and maintenance of the physical and naturally built environment. It provides knowledge and skills to plan, analyse, design, estimate and execute projects using appropriate scientific, mathematical and engineering principles and concepts. The field is further broken into several sub-disciplines including water resources engineering, environmental pollution control, urban transportation planning, traffic engineering and pavement design, geotechnical engineering, advance structural mechanics.

OBJECTIVES of the STTP

To understand the principles, applications, trends, and permanent issues of geographical information systems and sciences, including remote sensing (RS), Photogrammetry, cartography, and global positioning systems (GPS). To provide learning and teaching experiences with real world problems. To develop technical skills and competence in data and information acquisition, extraction, management and analysis; spatial and statistical modelling; mapping and visualization. To increase awareness of GIS and modelling tools for improving competition and business potential.

PATRON

Dr. R. K. Gajjar, Principal, LDCE Ahmedabad

CONVENER

Dr. R. B. Khasiya, H.O.D. (Civil Engineering), L.D.C.E-Ahmedabad

STTP COORDINATORS

Prof. R. N. Shukla, Associate Professor, Civil Engineering Department, L.D.C.E. Ahmedabad

Prof. Utkarsh Nigam, Assistant Professor, Civil Engineering Department, L.D.C.E. Ahmedabad

STTP CO-COORDINATORS

Prof. Sudhanshu Dixit, Assistant Professor, Civil Engineering Department, L.D.C.E. Ahmedabad

Prof. J. S. Kamble, Assistant Professor, Civil Engineering Department, L.D.C.E. Ahmedabad

STTP ATTRACTION

It is a common knowledge gaining program to gain and increase the basics and advanced level research in which experts of GIS, GPS and Remote Sensing from the eminent institutes such as IIT/NIT and other institutes from the field of Water resources, Transportation and other fields of Civil Engineering will elaborate and explain the course content in details. Separate hands-on-session on each prescribed software, Arc-GIS, Q-GIS will be carried out.

SPONSORED & APPROVED by

One Week Online Short-Term Training Program on "Application of GIS & Remote Sensing in Civil Engineering" sponsored by GUJCOST, DST, Govt. of Gujarat, Gandhinagar and approved by DTE, Gandhinagar.



Directorate of Technical Education
Education Department - Government of Gujarat



L. D. College of Engineering,
Ahmedabad, Gujarat, India

Organizing

One Week GUJCOST, DST, Govt. of Gujarat Sponsored Online Short-Term Training Program (STTP)

on

"Application of GIS & Remote Sensing in Civil Engineering"

15th-19th December, 2020

Host & Organizer

Civil Engineering Department

L. D. College of Engineering Ahmedabad

Website: www.ldce.ac.in

OUTLINE OF THE CONTENTS

- A Geographic Information System (GIS) is a computer-based tool for mapping and analyzing feature events on earth. GIS technology integrates common database operations, such as query and statistical analysis, with maps. GIS manages location- based information and provides tools for display and analysis of various statistics, including population characteristics, economic development opportunities, and vegetation types.
- GIS allows you to link databases and maps to create dynamic displays. Additionally, it provides tools to visualize, query, and overlay those databases in ways not possible with traditional spreadsheets. These abilities distinguish GIS from other information systems, and make it valuable to a wide range of public and private enterprises for explaining events, predicting outcomes, and planning strategies.
- Remote sensing is the art and science of making measurements of the earth using sensors on airplane or satellites. These sensors collect data in the form of images and provide specialized capabilities for manipulating, analyzing, and visualizing those images. Remote sensed imagery is integrated within a GIS.
- To understand the principles, applications, trends, and permanent issues of geographical information systems and sciences, including remote sensing (RS), Photogrammetry, cartography, and global positioning systems (GPS). To develop technical skills and competence in data and information acquisition; mapping and visualization. To increase awareness of GIS and modelling tools for improving competition and business potential.

The applicants are required to register by filling the registration form and mail it on civilevent@ldce.ac.in on or before **5th December 2020**. Applicants have to send the scanned copy of the filled registration form with sign and seal of the parent institution/ Concerned Authority. Kindly register as early as possible.

Registration Link: <https://forms.gle/w1tKT5TSdp6r6Pf69>

ADDRESS FOR CORRESPONDENCE:

**Civil Engineering Department,
L. D. College of Engineering, Ahmedabad
Opp Gujarat University, Navrangpura,
Ahmedabad - 380015**

Email-id: - civilevent@ldce.ac.in

ONLINE COURSE REGISTRATION FEE:

For all Participants - Rs. 100

BANK DETAILS: (NEFT ONLY)

Payee Name: PRINCIPAL L D College of
Engineering

Bank Name: State Bank of India, Gujarat
University, Ahmedabad

IFSC Code: SBIN0002651

Account number: 30769133013

Name:

Designation:

Branch:

Institute Name:

Mobile No.:

E-Mail ID:

Date:

Signature of the Applicant

Sign and Seal of Head of the Institution

Verification and sign of STTP Coordinator

HOW TO APPLY

REGISTRATION FORM