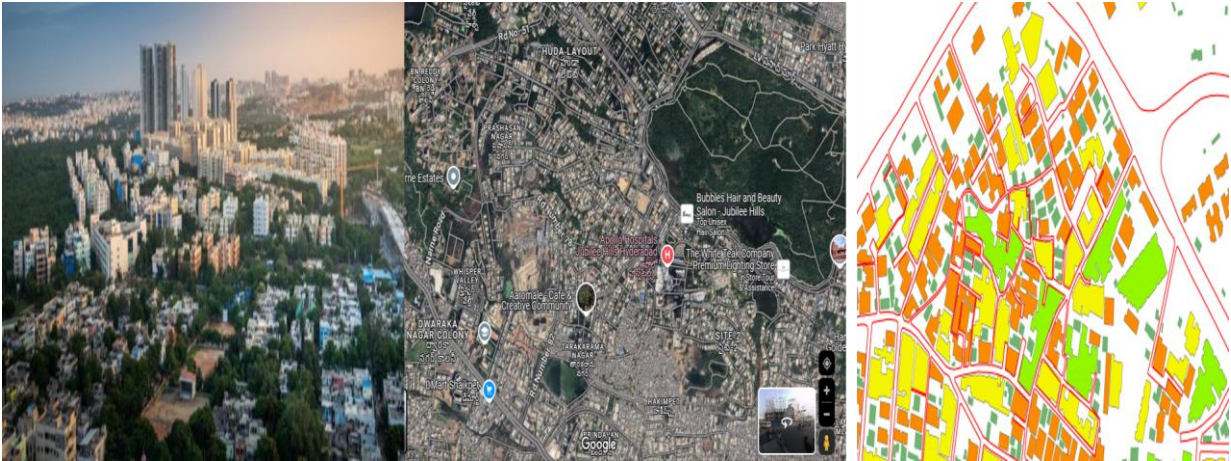




Engineering Staff College of India
Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. TS, India

WATER RESOURCES DEVELOPMENT DIVISION

Continuing Professional Development Programme on
**Satellite based Property Mapping in Urban
Local Bodies**
25 – 27 February, 2025



(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

The property mapping is important and very useful database and could be utilised for several urban initiatives like Revenue Augmentation and Service Delivery. Urban Local Bodies can utilize the integrated database of spatial and non-spatial information for property tax, mutations, and property details and providing other utilities services with respect to property information. Information Technology has a major role to play in improving the efficiency in delivering public services. Remote Sensing (RS) and Geographical Information System (GIS) are emerged as an important software Technology in improving operational efficiency in planning and management of urban infrastructure and services in India. Geospatial Technology applications to capture, analyse and display all forms of spatially referenced information of an area, e.g., location, density, surrounding infrastructure, etc. Prepare GIS base maps for the ULBs using high-resolution satellite imagery and these are very useful in strategic planning, resource utilization, and everyday management. There is a need to conduct surveys with latest technologies like Geospatial Technologies (Remote Sensing, Geographical Information System and Global positioning system) and create the database. Create a transparent citizen-friendly service so that one can access information about a land parcel from any part of the country sitting anywhere in the world.

The Government is implementing the National Geospatial Policy 2022 (NGP) and has substantially expanded the access and usage of spatial data, improving citizens services rapidly and increasing its reach to the remotest corners of the country. It is a pivotal initiative designed to advance the geospatial sector in support of national development, economic growth and the evolution of an information-rich economy. Building a national digital twin will bring transparency in stakeholder engagement in specific projects so that members of the society can monitor the progress of the project, and address the challenges, which will ultimately improve the efficiency and the outcome. In recent years, Geographic Information System (GIS) has emerged as a valuable tool for urban planners and decision-makers. This technology allows for comprehensive analysis, visualization, and modelling of data, empowering urban authorities to make well-informed decisions and foster positive urban development. In India, the field of Urban Planning has witnessed rapid progress, with an increasing number of projects each year. Major cities have implemented city development regulations like AMRUT & NUIS for Smart City projects

OBJECTIVE

The Proposed Training Program aims is providing an opportunity to Town Planners, Engineers Involved in effective Planning and Development of Urban Local Bodies with Latest Technologies.

COVERAGE

- Introduction on Geospatial Technology
- Preparation of Geo-referenced city Base Map
- Urban database creation
- Thematic Map Generation
- Quality Check & Vetting
- RS & GIS Software - Demonstration
- Case Studies
- Field Visit

METHODOLOGY

Methodology includes class room lectures with audio visuals, Hands-on Sessions on Software Applications, interactive sessions through group discussions, case studies etc. Emphasis would be laid on sharing of experiences of participants. Active participation is solicited from participants. Medium of training is English.

TARGET PARTICIPANTS:

Programme will be useful for Engineers Working in Engineering Departments of Municipal Corporations, Town & Country Planning Department, Urban local Bodies, Academics and R& D Organisation.

PROGRAMME VENUE, DATES & TIMINGS

VENUE :

Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad - 500032, TS India.

DATES

25 - 27 February, 2025

TIMINGS

On the first day, registration will commence at 0900 Hrs. On all other days the programme timings will be from 0945 to 1715 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR

Er. M. Rajasekhar Reddy, M.E, FIE

Former – Chief Engineer
Panchayat Raj Engg. Dept.,
Govt. of Telangana

Senior Faculty and Head

Contact details: 040-66304117 (D)

Er. G Naresh, M.Tech (Ph.D), MIE

Faculty

Mobile : +918801193075

COURSE FEE

Residential Fee is Rs.16,500/- per participant. Residential fee includes course material, course kit, and twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks.

DISCOUNTS

Non-Residential Fee: 10% discount on course fee is allowed for non-residential participants.

Group Discount: Additional 10% discount for three or more participants if sponsored by the same organization.

(All discounts are applicable only if fee is received at ESCI before the commencement of the programme)

GST @18% as applicable is to be paid extra over and above the training fee. **PAN Card No** AAATT3439Q; **GSTIN** 36AAATT3439Q1ZV (under commercial training or coaching services).

Programme fee is to be paid in favour of “**IE(I)-Engineering Staff College of India**” in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by **NEFT/ RTGS/ IFSC Code No.** SBIN 0004159 – MICR No.500002075. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

REGISTRATION

Online registration shall be available on ESCI website. To register manually, please send your nominations giving details of name, designation, contact address, email address, mobile, telephone and fax numbers of the participant along with the details of mode of payment of fee, addressed to:

Head

Water Resources Development Division
Engineering Staff College of India
Gachi Bowli, Hyderabad – 500 032
Phone: 040 – 66304117 – 9 (Dir.) 23000465 (EPABX): Extn: 4117– 9
Fax: 040 - 23000336
E-Mail : wrd@escihyd.org
Url : www.escihyd.org

CERTIFICATE: A certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INSTRUCTIONS

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of the outstation participants ESCI will facilitate pickup and drop from Airport / Railway Station/ Bus stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participants directly to the cab.
- ESCI provides complimentary accommodation to participants a day prior to the commencement and after the conclusion of the programme. (Check in at 12:00Hrs) one day after conclusion (Check out at 12:00 hrs) of the programme duration.
- Overstay charges of @ Rs.990/- per day, per head will be charged.
- Well developed Information Centre and internet facilities are available to the participants.