



Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachibowli, Hyderabad – 500 032. Telangana, India



Environment Management Division

Continuing Professional Development Programme on ArcGIS desktop Hands-on training with live Project



27-29 January 2027

Interactive Sessions | Digital Learning | Assessments | 24/7 Experts Online/Offline Support

Introduction

Rapid urbanisation, infrastructure development, sustainability goals, and the increasing need for data-driven decision-making are compelling cities and organisations to plan and manage resources more efficiently. **Geographic Information System (GIS)** technology has become an essential tool for spatial planning, infrastructure management, environmental assessment, utility management, and informed decision-making.

ArcGIS is one of the widely used GIS platforms that provides powerful capabilities for mapping, spatial data management, visualisation, editing, and geospatial analysis. It enables professionals to integrate diverse datasets, analyse spatial relationships, prepare thematic maps, identify trends and patterns, and communicate information effectively to decision-makers and stakeholders.

The practical application of GIS is particularly valuable in areas such as **urban and regional planning, water supply and sanitation, solid waste management, environmental management, infrastructure planning, transportation, land-use planning, and disaster management**. Through hands-on exercises and project-based learning, participants can develop the confidence to apply GIS tools to real-world professional assignments.

Considering the increasing importance of GIS and spatial analytics in professional practice, **Engineering Staff College of India (ESCI)** is organising a **three-day Hands-on Training Programme on ArcGIS Desktop with a Live Project**.

The programme is designed with a strong practical orientation, providing participants with hands-on exposure to ArcGIS Desktop tools, spatial data processing, mapping and analysis, and the application of GIS techniques to a **live project-based exercise**.

Objectives

The objective of this programme is to provide in-depth knowledge and hands-on experience in ArcGIS and ArcGIS Urban, enabling participants to understand and apply GIS tools effectively through practical classroom exercises and a live project.

Course Coverage

- Introduction to GIS and ArcGIS
- GIS Data Management
- Spatial Data Creation and Editing
- Georeferencing and Digitisation
- Map Creation and Visualisation
- Attribute Data Management and Query
- Spatial Analysis
- Thematic Mapping and Cartography
- Introduction to ArcGIS Urban
- **Hands-on Exercises using ArcGIS Desktop**
- **Live Project Development and Analysis**
- Interpretation and Presentation of GIS Outputs

Methodology

Methodology of the programme includes classroom Sessions with Lectures/discussions, with audio visual aid; bench - marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences, etc. All the sessions will be interactive, demanding active participation from all the participants.

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

Centre for Promotion of Professional Excellence

Target Participants

This course is for GIS practitioners and non-GIS professionals; for administrators and developers; and for anyone who needs to use ArcGIS tools to perform their daily workflows, enhance projects with geographic context, and create information that leads to better decision-making. Officials from various Government / Private / Autonomous / NGOs / Faculty and Researchers from Academic Institutions working in the domain of geospatial technologies and its applications.

Programme Dates & Timings

Dates: 27-29 January 2027 (Prog. Code: EM 6104) **&Timings:** 10:00 AM onwards at ESCI Campus, Gachibowli, Hyderabad.

Course Director

Ms. Anita Aggarwal

Faculty & Head I/c.

Environment Management Division,

Engineering Staff College of India,

Old Bombay Road, Gachibowli, Hyderabad 500 032

Phone: Direct 040 6630 4120 to 4122 Fax: 040-66304163

Mob: 8374362306;

Email: em@escihyd.org

Faculty/Speaker Details

In addition to the core internal faculty, highly experienced professionals and sector experts from organisations such as NRSC, along with senior GIS consultants, will deliver interactive sessions enriched with practical knowledge and case studies.

Course Fee

- **Course Fee** (Residential): **Rs. 18,000/-*** (Rupees Eighteen Thousand only) per participant. Fee includes course material, course kit, twin-sharing/single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme. ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- **Non-Residential Fee:** 10% discount on course fee is allowed for non-residential participants
- **Group Incentive:** 10% discount for five or more participants, if sponsored by the same Organization

***GST @18%** is to be paid extra over and above the training fee. **PAN Card No.** AAATT3439Q. **GST No:** 36AAATT3439Q1ZV, **HS No.:** 999293 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of “**THE 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. PAN Card No AAATT3439Q; GSTIN No. 36AAATT3439Q1ZV.** While using EFT method of payment, please ensure to communicate us your company name, Contact details, our invoice reference and programme title.

Registration

Online registration shall be available on ESCI web portal: www.escihyd.org

To register manually please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to: **Course Director (or)** Contact us at: Mr. GNM. Rao (Prog. Manager) – 9866431555

A Certificate of participation will be awarded to each participant on conclusion of the programme.

Environment Management, Engineering Staff College of India

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