



GENESIS Engineering Staff College of India (ESCI's) is a unique Institution set up in October, 1981 by the premier body of engineers, The Institution of Engineers (India).

PHILOSOPHY & OBJECTIVES

The Primary objectives of ESCI are to impart professional and management training in frontier areas of Engineering and Management fields, simultaneously providing professional consultancy and technical services to the Industry. ESCI's operations are firmly grounded in its desire to act as a bridge between academic institutions, R&D laboratories and organizations in private and public sectors to promote the growth and increased availability of latest know-how and expertise to professional engineers, executives and managers in all these sectors.

ESCI'S DOMAINS

- > Climate Change
- > Environment Management
- > Management & Technology
- > Power & Energy
- > Quality & Productivity
- > Skill Development Cell
- > Advanced Materials Engineering Cell
- > Corporate Relationship Cell
- > Civil & Transportation Engineering
- > Information Technology
- > Water Resource Development
- > Design & Prototyping Centre

SCHOOL OF PG STUDIES

School of PG Studies of ESCI conducts AICTE approved two year full time Post-Graduate Diploma in Infrastructure Management (Power, Transport, Telecommunications & Civil) and PGDM. Aim of the courses is to build the capacity of the engineers and other graduates by imparting skills to make them effective and productive managers.

The PGDM (Infrastructure) is uniquely designed to amalgamate technical talent with the latest management techniques to transform them into Techno Managers in the core sectors of Civil, Power, Transportation and Telecommunication to handle challenges of massive development of infrastructure. Engineering Graduates from any branch are eligible for this program. The admission process for the new batch starts in January every year and the courses commence from July.

TRAINING PROGRAMMES

Continuing Professional Development Programmes are formulated by ESCI from time to time and announced, on topics of current technology and relevance. In Addition to Open Programmes, ESCI also organizes and conducts customized in-house programmes to meet specific requirement of such organizations.

CAMPUS & HOSTEL FACILITIES

The 70-acre sprawling Campus of ESCI is about 15 km from the centre of Hyderabad City. ESCI, situated in serene and tranquil surroundings, has its main building and five hostel blocks which can accommodate upto 150 participants. The hostel rooms are air conditioned and well furnished for comfortable stay of the participants and arrangements for catering and recreational activities on Campus are also provided.

CLASS ROOMS

The 8 lecture halls are air conditioned and well equipped with all modern audio-visual aids to conduct concurrent programmes.

For details about training programmes, consultancy, or any other information, please write to :-

Director

Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
(An ISO 9001: 2008, AICTE & CEA Recognized Institution)
Old Bombay Road, Gachi Bowli, Hyderabad 500 032 (TS) India
Phone: 0800 000 0000 Fax: 01 2300 2300



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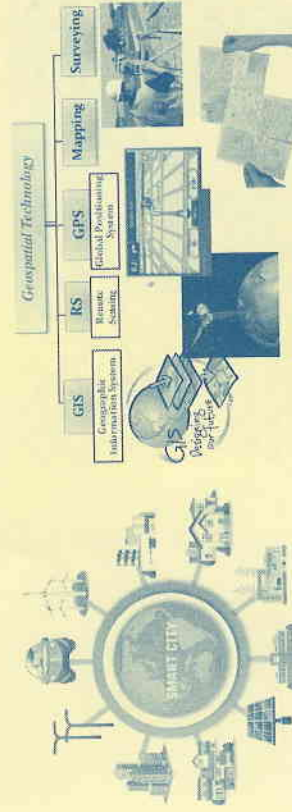
Information Technology Division

Continuing Professional Development Programme on

Effective Utilization of RS-GIS-GPS Technologies For

Smart City & Smart Village Development

03 - 06 November, 2015



INTRODUCTION

Geoinformatics comprising Remote Sensing (RS), Geographic Information System (GIS) and Global Positioning System (GPS) provide extremely useful tools for environmental and natural resources management. They are widely recognized as supporting tools for the planning, monitoring, and management of the appropriate utilization of resources at the regional and country levels for developing Smart Cities and Villages.

Using RS-GIS-GPS technologies Computerized mapping and spatial analysis have been developed simultaneously in several related fields. The present status would not have been achieved without close interaction between various fields such as utility networks, cadastral mapping, topographic mapping, thematic cartography, surveying and Photogrammetry remote sensing, image processing, computer science, rural and urban planning, earth science, and geography.

The Global Positioning System (GPS) is a burgeoning technology, which provides unequaled accuracy and flexibility of positioning for navigation, surveying and GIS data capture. The GPS technology has a tremendous amount of applications in GIS data collection, surveying, and mapping. It is also possible to integrate GPS positioning into Remote-Sensing methods such as Photogrammetry and aerial scanning, magnetometry and video technology

OBJECTIVES

The objective of this course is to provide skill in RS-GIS-GPS technologies for the planning, monitoring, data collection, surveying, mapping and management of the appropriate utilization of resources at the regional and country levels for developing Smart Cities and Villages.

COURSE COVERAGE

- ❖ Role of spatial technologies
- ❖ Principles of Remote Sensing and Geographical Information System
- ❖ Application of GPS
- ❖ Land Use Planning & Management
- ❖ Digital Image Processing & Analysis
- ❖ RS-GIS Integration & Applications
- ❖ RS&GIS for Natural Resources
- ❖ RS&GIS for Resources Development
- ❖ Introduction to GPS and its Applications
- ❖ Integration of GPS / RS with GIS
- ❖ Field Visit to State Remote Sensing Center, Hyderabad

METHODOLOGY

Methodology of the programme includes class room sessions with Hand-on Practical, Lecture / Discussion 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 members.

TARGET PARTICIPANTS

- Town Planning Officers / Surveyors / Engineering, Managers, and Executives Engineers of Municipal Corporations, Irrigation Departments, Urban Departments, State Warter Boards, State Roads & Transport Departments, State Transport Boards, State & Central Pollution Boards.
- Officers, Engineers of Geological survey Departments/ Environmental Departments/ Forest Departments / Mining Departments
- Engineers and Officers of State Power Corporations / Electricity departments
- Academic Professionals / Agriculture Scientists/ Other Engineering Professionals engaged in surveys and Natural Resource assits.

PROGRAMME VENUE, DATES & TIMINGS

Venue : Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad. 500032 Telangana India.

Timings : On the first day Registration will commence at 09:00 hrs. On all other days the programme timings will be from 09:45 – 17:15 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR

Mr. Syed Azgar,
Faculty – Manager IT

COURSE FEE

₹.18,000/- (Residential Fee) 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.

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 commencement of the programme)

Service Tax @14% is to be paid extra and above the training fee as training is also brought under the purview of Service Tax in Finance Bill 2010. **PAN Card No.** AAATT3439Q. **Service Tax Registration No.** AAATT3439QST008 (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 INSTITUTION OF ENGINEERS (INDIA) – 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. 1000711201 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 the ESCI web portal: www.eschyd.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 :

The Head

Information Technology Division
Engineering Staff College of India
Gachi Bowli, Hyderabad – Telangana 500 032
Phone: 040 – 66304100 (EPABX) 66304123/24/25 (Direct), Fax: 040 - 230000336
Email: it@eschyd.org, web portal: www.eschyd.org

CERTIFICATE

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

GENERAL INFORMATION

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / 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 participant directly to the Cab.
- 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)
- Well developed Information Centre and Internet facilities are available to the participants.