

Eligibility :

This course is open to the industry personnel, faculty and students.

Registration Fee :

| | |
|-----------------------------|-------------|
| Industry personnel | : Rs. 800/- |
| IETE Members/Teaching staff | : Rs. 600/- |
| Students | : Rs. 500/- |
| IETE Student Members | : Rs. 300/- |

Note :

- The fee includes course material, working lunch and tea.
- The payment may be made by cash or through D.D./Cheque in favour of "Secretary, IETE, Hyderabad Centre", payable at Hyderabad.
- The number of participants is limited and the selection is on first-come-first-serve basis.
- Certificates will be issued after successful completion of course.
- Last date for the receipt of applications is **30 March, 2010.**
- Selected candidates will be intimated by **31 March, 2010.**

Applications should reach :**Honorary Secretary**

The Institution of Electronics and Telecommunication Engineers (IETE),
OU Campus, Hyderabad - 500 007.

IETE Hyderabad Centre

Dr. V. Gunasekhar Reddy
Chairman

Prof. C.R. Sarma
A/c Hony. Secretary
Cell : 93460 19900

Er. K. Subbi Reddy
Hony. Treasurer

Short Term Courses Sub-Committee :

Dr. K. S. Nayanathara *Chairman*

Dr. Niranjan Prasad *Member*

Dr. K.M.M. Rao *Member*

Dr. V. M. Pandari Pande *Member*

Prof. D. Linga Reddy *Member*

Dr. N. Vasantha *Convener*
Cell : 93460 19902

Co-ordinator :

Er. Nuli Namassivaya
Cell : 93460 17700, 97030 17700

**THE INSTITUTION OF ELECTRONICS
AND
TELECOMMUNICATION ENGINEERS
HYDERABAD CENTRE**

**2-day course
on**

**GLOBAL POSITIONING SYSTEM :
AUGMENTATION & APPLICATIONS**

**3-4 April, 2010
9.30 a.m. to 5.30 p.m.**

Co-ordinator :

Er. Nuli Namassivaya

Venue :

**THE INSTITUTION OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERS**

O.U. Campus, Hyderabad - 500 007

Ph : 040-2709 8025, 2709 5128

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IETE

The Institution of Electronics and Telecommunication Engineers (IETE) an apex professional society was founded in the year 1953 for promoting the general advancement of Telecommunication, Electronics and Information Technology and to facilitate exchange of information and ideas in the fields which have revolutionized economies of nations worldwide. IETE facilitates interaction amongst professionals engaged in Industry, Educational Institutions, R & D Laboratories and Govt. Departments. It endeavors to respond to the needs of fast changing and emerging technologies and strengthens competence of the profession by enabling those involved to keep abreast of the technological frontiers. IETE is India's leading professional society having 57 centres in India and Nepal. It has a membership of more than 60,000 spread all over the India and abroad.

IETE – HYDERABAD CENTRE

The IETE, Hyderabad centre, established in the year 1973, has grown to be the most prominent among the IETE Centres in the country. In these years, the centre has made many rapid strides in reaching professional as well as academic heights. The centre has its own infrastructure facilities like Academic Buildings, Conference Hall, Library, Electronics & Information Technology Laboratories, Internet, Computer Network Connections, Workshops, Exhibition Hall and Auditorium (airconditioned and modernized). In recognition of its all round performance, the Hyderabad centre has been adjudged as the "BEST CENTRE" for six times earlier. Hyderabad Centre offers various courses which are recognised by Govt. of India for the development of human resources and has been conducting programmes for professional development. This centre is one of the eight centres having EDUSAT facility.

A. COURSES OFFERED

| | |
|----------------------|------------------------------------|
| ALCCS | Equivalent to M.Tech. (Comp. Sci.) |
| AMIETE (ECE) | Equivalent to B.E. / B.Tech. (ECE) |
| AMIETE (CSE) | Equivalent to B.E. / B.Tech. (CSE) |
| AMIETE (IT) | Equivalent to B.E. / B.Tech. (IT) |
| DIPIETE (ECE) | Equivalent to Diploma (ECE) |
| DIPIETE (CSE) | Equivalent to Diploma (CSE) |

B. PROFESSIONAL PROGRAMMES

Symposia, Seminars, Conferences, Workshops, Lectures (by eminent personalities etc.) Hyderabad Centre is identified as Resource Centre in Information Technology. The Hyderabad Centre is bringing Academicians, Industrialists, Technologists and Scientists on one common platform in our endeavor to solve the problems confronted by the local Industry.

COURSE INTRODUCTION

The Global Positioning System (GPS), is the satellite navigation system. GPS has become an indispensable aid to navigation around the world, and an important tool for map-making and land surveying. GPS also provides a precise time reference used in many applications.

GPS Satellites : GPS Satellites-24, circle the earth twice a day. Orbiting at an altitude of approximately 20,200 km transmitting signals allowing GPS receivers to determine the receivers location, speed and direction.

GPS Receiver : GPS is free for civilian use. A GPS receiver calculates its position by measuring the distance between itself and 3 or more satellites. Measuring the time delay between transmission and reception of each GPS radio signal gives the distance to each satellite. By determining the position of, and distance to atleast three satellites, the receiver can compute its position.

GPS Augmentation : The accuracy of a position depends on the type of receiver which is about 10-20 mt accuracy. Standalone GPS doesn't meet the accuracy requirement for certain applications. The accuracy may be improved less than 1 mt by augmenting GPS such as DGPS etc. WAAS & LAAS are some of the prominent augmentation systems.

GPS Applications : GPS is used to support Military, land, sea, airborne navigation, surveying, scientific study of earthquakes, geophysical exploration, mapping and geodesy, meteorology, vehicle location systems, farming, transportation systems and a wide variety of other additional applications.

SCOPE OF THE COURSE

- ✦ Navigation methods
- ✦ GNSS
- ✦ Different Navigations Systems
- ✦ GPS and its Errors
- ✦ GPS Augmentation
- ✦ GPS Coding Techniques
- ✦ GPS Receivers and applications
- ✦ **Practical demonstration with GPS receivers and Navigation devies**

RESOURCE PERSONS

The best drawn from Local Research and Development Laboratories, Industry and Educational Institutions.

REGISTRATION FORM

2-day course on

**Global Positioning System :
Augmentation & Applications**

3-4 April, 2010

1. Name :
2. Qualifications :
3. Designation & Dept. :
4. IETE Membership No. :
5. Organization :
6. Address for Correspondence :

Phone : (O) _____ (R) _____

Mobile : _____

e-mail : _____

7. Registration fee details :

DD/Chq. No. : _____ Amount : _____

Bank : _____ Date : _____

Signature of the applicant

Signature of the sponsoring
authority with Seal

(Xerox copies of registration form can be used if necessary)