

COURSE CONTENT:

- Day 1 : Geographical information system: Introduction, historical development, from the real world to GIS, basic data models – raster and vector
- Lab : Digitizing maps
- Day 2 : Georeferencing and co-ordinate systems
- Lab : Georeferencing the maps
- Day 3 : Spatial and Aspatial data
- Lab : Creating Point data and data creation by means of attribute table
- Day 4 : spatial analysis and modelling, thematic layers, reclassification.
- Lab : Reclassifying thematic maps
- Day 5 : Overlay Analysis, Buffering, Querying
- Lab : Overlay Analysis, Creating Buffers, Query building.

ELIGIBILITY :

The course is meant for faculty members from Engineering colleges and Polytechnics.

Co-ordinators : Dr. G. Prince Arulraj
Director,
School of Civil Engineering

: Mrs. J.Brema
Asst. Prof.(SG),
School of Civil Engineering

Training Course on
Learning GIS
April 26 - 30, 2010



Organized by

**School of Civil Engineering
Karunya University**

(Karunya Institute of Technology & Sciences)

Declared as Deemed - to - be - University under Sec. 3 of the UGC Act, 1956

Karunya Nagar, Coimbatore 641114.

Phone: 0422 2614450, Fax: 91 422 2615615

Training Course on
Learning GIS
April 26 - April 30, 2010

REGISTRATION FORM

Name :

Office Address :

Permanent Address :

Email :

Tel :

Sex : Male / Female

Highest Academic Qualification :

Accommodation required: YES / NO

Demand Draft may be drawn in favour of
"The Registrar, Karunya University" payable
at Coimbatore.

Demand Draft No :Rs.....

Dated : Bank :

The applicant Mr. / Ms.....

from our institution will be permitted to
attend the Training course on '**Learning GIS**' to
be held during April 26-30, 2010 at Karunya
University, Coimbatore.

Signature :

Date :

Place :

Signature of the Head of
the Institution with Seal

Please mail the application to :

Dr. G. Prince Arulraj
Director, School of Civil Engineering
Karunya University
Karunya Nagar, Coimbatore - 641 114.
E - mail : princearulraj@karunya.edu

THE VENUE

Karunya University, formerly Karunya Institute of Technology and Sciences (KITS) was established in 1986 by the founders Dr. D.G.S. Dhinakaran and Dr. Paul Dhinakaran. Making rapid progress ever since, the institute has now grown into a university winning recognitions and awards on its way, like Best Engineering College in Tamilnadu (1996), First-ever Autonomous Self-financing College (1999) and Deemed University (2004). The University has state-of-the-art facilities effectively utilized by the well qualified and dedicated staff. U.G., P.G., and Ph.D. programs are offered in the fields of Engineering, Management, Science and Biotechnology. The University has been awarded "A" grade by NAAC. The excellent facilities on the 700-acre campus include a fully air-conditioned library that stocks 55,000 books and subscribes to 275 hard copy journals besides thousands of electronic journals. There is a fiber-optic backbone LAN serving around 2200 computers and 6-Mbps internet connectivity.

COURSE OVERVIEW:

The School of Civil Engineering is proud to announce a five days training program on learning GIS. The course is designed in such a way that those who undergo this course may be able to use GIS software for their applications. Remote Sensing, Geographic Information System (GIS) and Global Positioning System (GPS) are some of the vital tools used for studies related to environment and natural resource management. GIS is widely recognized as a supporting tool for the planning, monitoring and management of the available resources. GIS integrates database operations such as query, statistical analysis by means of maps. These abilities distinguish GIS from other information systems and make it usable by a wide range of users for predicting and planning events. This course provides an overview of the concepts and principles of Geographic Information System and its applications. The course is designed with a thrust on the basic concepts and basic tools in ArcGIS 9.0.

REGISTRATION FEE:

Registration Fee is Rs.5,000/- which includes Course material and working lunch. For breakfast and dinner Rs.500/- extra is to be paid.

ACCOMMODATION :

Accommodation in the hostel is free. Limited accommodation is available in the university guest house. Additional fee for accommodation in the university guest house is Rs.2,000/- which includes boarding.

Amount for which Demand Draft is to be drawn :

Fee without accommodation **Rs. 5,000/-**

Fee with Hostel accommodation **Rs. 5,500/-**

Fee with Guest House accommodation **Rs. 7,000/-**

Last date for the receipt of application along with demand draft is 31st March, 2010.