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Government Engineering College
സർക്കാർ എഞ്ചിനീയറിംഗ് കോളേജ്
Barton Hill, Thiruvananthapuram 695 035
ബാർട്ടൺഹിൽ, തിരുവനന്തപുരം 695 035
Kerala State, India
കേരള സംസ്ഥാനം, ഇന്ത്യ

10-01-2018

Dear Sir,

The Translational research & Professional Leadership Centre, TPLC is organising a four day training programme for professionals, faculty and research scholars offered by TPLC – **Mastering Projects with Geospatial Analysis** from **January 30 to February 2, 2018**.

Systematic planning and management of any project requires basic literacy in open source tools and softwares in geo-spatial analysis. The current trend in modern technology is the adoption of a geographic information system (GIS) in project management, to enhance the acquisition, transformation and analysis of geographic data.

Another significant contribution with GIS tools is the repetitive use of the spatial and non-spatial data. The data file is flexible for updating for future requirements. A project manager must know the diverse applications of the GIS technology and how to manage projects with GIS tools making use of satellite data.

The Translational research & Professional Leadership Centre (TPLC), GEC Barton Hill is organizing this training programme with an objective to empower the professional in various field and the faculty from academic organizations particularly to manage projects with GIS tools. The programme is offered from **30 January to 2 February, 2018** and maximum participation of professionals, faculties and research scholars is ensured. The brochure is attached herewith.

Kindly sponsor and facilitate participation of maximum number of promising employees from your Institution.

Yours faithfully




Principal

REGISTRATION FORM
(Completed form should reach
by 20th January 2018)

Name

Qualification

Age

Designation

Institution

Address

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..... Pin:

Mobile:

Email:

Why are you motivated to
attend this course?

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Translational research and professional Leadership Centre (TPLC) is a promising research centre, started in collaboration with technical University Delft, Netherlands & IITM, Chennai, which focus on promoting Programmes on bridging the gap between Research and Practice. The gap between Research and Practice in all areas of engineering is increasing at an alarming rate and it calls for urgent attention from our side. TPLC started functioning in the year 2013 with office at Government Engineering college Barton Hill, located at the centre of Trivandrum city. The major maiden Programmes of TPLC is the Interdisciplinary M.Tech programme in Translational Engineering, with special emphasis on Social Responsibility, aiming at moulding Engineers to step forward to become responsible engineers beneficial for the society as well as for the nation. The other programmes proposed are Training Programmes for practicing Engineers, faculties, research scholars and students, Motivational Programmes for M.Tech students, Community level Programmes etc

For more information
www.tplc.gecbh.ac.in
www.gecbh.ac.in

**MASTERING PROJECTS WITH
GEOSPATIAL ANALYSIS**

30th January – 2nd February, 2018

Venue: GEC Barton Hill



TPLC

GOVT.ENGG COLLEGE, BARTON HILL
transforming professionals to transform the nation



Organized by
**Translational research and Professional
Leadership Centre [TPLC]**
**GOVERNMENT ENGINEERING COLLEGE,
BARTONHILL, THIRUVANANTHAPURAM**

About the Training/ Course

In this developing era of technological advancement, an engineer should be equipped with modern tools of geospatial analysis which strengthens and streamlines the design, planning and operation activities of any project. Satellite data coupled with GIS tools provide attractive options for problem solving and decision making in geospatial analysis. The geographic information system (GIS) enables us to capture, store, visualize, manipulate, analyze, interpret, and present all types of geographical data. The use of GIS provides support to planning and operation management while establishing a GIS infrastructure that can be expanded to other advanced application areas. The objective of this training course is to empower the professionals from various organizations and faculties from academic institutions to efficiently manage projects based on GIS. The training aims to facilitate the development of a GIS project which is flexible for future modifications as per the requirements of different users.

Course Objectives

- Efficiently manage field assignments and monitor field data collection in real time.
- Acquire skills in managing GIS, GPS and Remote Sensing applications
- Create a navigation map that includes complete information on a campus.
- Create and configure a web map for map-based data collection and surveys.

Learning outcomes:

On completion of this training course, the participant will be able

- To conceptualize a project geospatially
- To equip himself with the essentials of GIS, GPS and Remote sensing
- To apply QGIS to manage related projects in their Organizations.
- To develop a GIS map which can be modified for future requirements and to develop new application ideas.
- To export GIS outputs to other application platforms

Course Contents

Approaching projects - the Geospatial way
Understanding the QGIS platform
GPS Basics and GPS Survey
Remote Sensing Basics and Satellite Data
Maps and Map Projections
GIS Data types
Geospatial Analysis
Create a new project from scratch
Practical GPS Survey
Satellite Data Collection
Create a GIS map and its interpretation
Exporting GIS output to other platforms

Resource Persons

Experts and Professionals with proven experience in handling GIS projects.

Who can apply?

Professionals, Faculty and Research Scholars who are interested in managing new projects in GIS are cordially invited.

Coordinators

Dr. Suja R, TPLC Mob: 9495058367
Dr. Jany George, TPLC Mob: 9895733847

Registration Fee

Professionals - Rs. 5000/-
Faculty from Academic Institutions Rs. 3000/-
Research Scholars- Rs. 2000/-

Payment can be made online through NEFT to TPLC Account or through DD in favour of Principal, GEC, Barton Hill, payable at Trivandrum

Account Details

Account Name: **TPLC**
Account No: **67314066447**
Bank: SBI Vikas Bhavan,
Thiruvananthapuram
IFSC: SBIN0070415

How to apply

Completed registration form along with the DD/ Reference number and transaction ID of the online payment should be sent to The Co-ordinator, TPLC through mail not later than 20th January, 2018.

E-mail: tplc.gecbh@gmail.com
Postal Address: The Co-ordinator, TPLC,
Government Engineering College,
Barton Hill, Thiruvananthapuram-695035