



## Government Engineering College

Barton Hill, Thiruvananthapuram 695 035

Kerala State, India

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Dated 2<sup>nd</sup> April, 2013

To

The Chief Engineer,  
PWD Administration,  
Thiruvananthapuram

Sir/Madam,

The Civil Engineering Department of our Institution is organizing a Short Term Training Programme on "Innovative Techniques and Practices in Building Technology" from 12/04/2013 to 17/04/2013. Participants of the course includes faculty of Engineering in any discipline from AICTE approved engineering colleges, polytechnics, practicing engineers from private and government organizations and scientists/ engineers from R&D establishments.. Kindly make necessary arrangements to depute interested persons from your organization also. The brochure of the course is attached along with this.

Thanking You,

Yours faithfully,

  
PRINCIPAL 3/4/13

RR  
AK  
3/4/13

## ABOUT THE COLLEGE

Government Engineering College Barton Hill, established in the year 1999 under the Directorate of Technical Education, Government of Kerala, is affiliated to the University of Kerala. It is located in the heart of Thiruvananthapuram city, just one km from PMG Junction and three km from Central Railway station and KSRTC bus station. The College, at present, is offering five undergraduate courses and three post graduate courses in Engineering.

## COURSE OBJECTIVES

Adopting innovative building technologies is important, as they bring in a systematic way of working, maximize output in a short time and make projects cost-effective. On an average 20 per cent of the cost and 25 per cent of time can be reduced when new methods are adopted. In the last few years major projects are increasingly looking for innovative techniques which improve quality, profit and brand value. Innovative construction practices and products, and the innovative use of traditional, natural and recycled materials, increasingly offer new ways of constructing sustainable, affordable homes and other buildings. The primary objective of the short term training program is to give awareness on the various emerging technologies which protect and improve the built and natural environment. The proposed program enables to equip different engineering professionals on various techniques related to sustainable development.

## COURSE OVERVIEW

This short term training program will include the following topics:

- Vasthu – An Introduction
- Green Buildings
- Sensitizing Built Environment
- Application of GIS and Remote sensing in Urban Planning
- Energy Conservation Practices in Buildings
- Seismic Design of Buildings
- Rain water Harvesting for Buildings
- Ferrocement and its Applications in the Construction Industry
- Deterioration Mechanisms in Concrete
- Sustainable Waste Management

## WHO CAN APPLY

Faculty of Engineering in any discipline from AICTE approved engineering colleges, polytechnics, practicing engineers from private and government organizations and scientists/ engineers from R&D establishments are eligible to apply.

## RESOURCE FACULTY

The resource faculty includes Teaching Faculty/ Experts from National institutes like IIT, NITs etc.

A good number of lectures will be delivered by experts from industry also.

## HOW TO APPLY

Completed Registration form as per the format attached should reach the course co-ordinator latest by 8<sup>th</sup> April 2013. Advance copy of the same may be forwarded through e-mail. No registration fee will be charged from the participants sponsored by Government and aided engineering colleges. Course fee of Rs. 750/- shall be charged for participants from self financing colleges, non-TEQIP institutions and industries and other departments. Payment shall be made in the form of Demand Draft, drawn in favour of Principal, Government Engineering College, Barton Hill, payable at Thiruvananthapuram. No TA/DA will be given to the participants. Accommodation will be arranged on request and on payment.

## DATE & TIME OF REGISTRATION

**Date:** 12<sup>th</sup> April, 2013, 9.30 AM

**Venue:** Mini Auditorium,  
Government Engineering College, Barton Hill.

## COURSE CO-ORDINATORS

Dr. S. Sheela

Prof. Lekshmy Devi C.A

Prof. Sumi S.

## REGISTRATION FORM

Short Term Training Program

on

Innovative Techniques and Practices in  
Building Technology

12 -17 APRIL 2013

Name:

Designation:

Address:

Whether the Institution is Govt  
/Aided/Self financing:

Phone:

Email:

Date: \_\_\_\_\_ Signature of Applicant

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Sponsorship Certificate

Prof./Dr./Mr./MS \_\_\_\_\_ is an  
employee of our institution and he/she is  
sponsored for the short term training program  
titled "*Innovative Techniques and Practices In  
Building Technology*" from April 12-17, 2013 and  
he/she will be permitted to attend the course in  
full if selected.

Date: \_\_\_\_\_ Signature of the Head of  
the Institution

Office Seal

### CONTACT PERSON (s)

Prof. Lekshmy Devi C.A: 9496852329  
Prof. Sumi S: 9497268717  
Office: 0471-2300485  
Email: [lekshmllekshmi8@gmail.com](mailto:lekshmllekshmi8@gmail.com)  
[sumiswarrier@gmail.com](mailto:sumiswarrier@gmail.com)

### MAILING ADDRESS

Co-ordinator  
*Innovative Techniques and Practices in Building  
Technology,*  
Department of Civil Engineering  
Government Engineering College, Barton Hill  
Thiruvananthapuram- 695 035

Short Term Training Programme

on

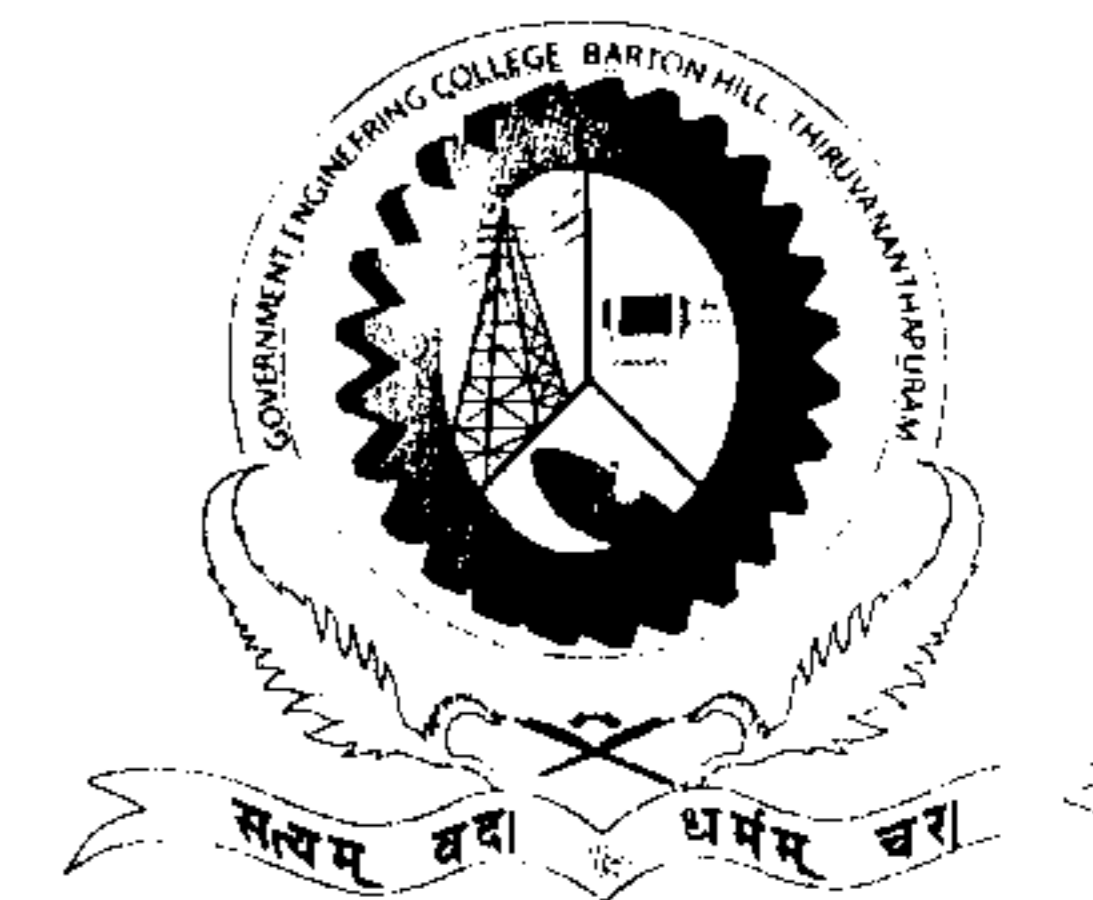
INNOVATIVE TECHNIQUES AND  
PRACTICES IN BUILDING TECHNOLOGY

12 - 17 APRIL 2013

Under

TEQIP Phase II

Organised by



DEPARTMENT OF CIVIL ENGINEERING  
Government Engineering College, Barton Hill  
Thiruvananthapuram- 695 035

**Short Term Training Program on  
"Innovative Techniques and Practices in Building Technology"**

Organized by  
Department of Civil Engineering, Government Engineering College, Barton Hill, Thiruvananthapuram  
12<sup>th</sup> to 17<sup>th</sup> April 2013

**Course Schedule**

Date/Day	9:30am to 12:30am		12:30pm to 1:15pm	1.15pm to 4.15pm	
	9.30 am -11.00 am	11:15 am - 12:30 pm		1:15 pm-2:45 pm	3:00 pm- 4:15 pm
12/04/2013 Friday	<b>Registration &amp; Inauguration</b>	<b>Vasthu – An Introduction</b> Dr. Ashalatha Thampuran	<b>LUNCH BREAK</b>	<b>Green Buildings</b> Dr. Binumol Tom, RI T, Kottayam	<b>Green Buildings</b> Dr. Binumol Tom, RI T, Kottayam
13/04/2013 Saturday	<b>Ferrocement and its Applications in the Construction Industry</b> Dr. N. Ganesan, NIT, Calicut	<b>Ferrocement and its Applications in the Construction Industry</b> Dr. N. Ganesan, NIT, Calicut		<b>Deterioration Mechanisms in Concrete</b> Dr. Radhakrishna G. Pillai IIT, Madras	<b>Deterioration Mechanisms in Concrete</b> Dr. Radhakrishna G. Pillai IIT, Madras
15/04/2013 Monday	<b>Application of GIS and Remote sensing in Urban Planning</b> Dr. Nisha Radhakrishnan NIT, Trichy	<b>Application of GIS and Remote sensing in Urban Planning</b> Dr. Nisha Radhakrishnan NIT, Trichy		<b>Energy Conservation Practices in Buildings</b> Dr. R.V.G Menon	<b>Waste to energy projects for sustainable practices</b> Dr. A. Sajidas Biotech India Pvt. Ltd.
16/04/2013 Tuesday	<b>Seismic Design of Buildings</b> Dr. S. Sheela GEC, Barton Hill, Tvpm.	<b>Sensitizing Built Environment</b> Padma Shri. G Shankar, Habitat		<b>Visit to IISE, Vellayani, Trivandrum</b>	
17/04/2013 Wednesday	<b>Rain water harvesting for Buildings</b> Dr. Jairaj P.G College of Engineering, Trivandrum	<b>Rain water harvesting for Buildings</b> Dr. Jairaj P.G College of Engineering, Trivandrum		<b>Feedback from Participants</b>	<b>Valedictory Function</b>