

OFFICE OF THE CHIEF ENGINEER  
LOCAL SELF GOVERNMENT DEPARTMENT  
3<sup>RD</sup> FLOOR, REVENUE COMPLEX  
PUBLIC OFFICE COMPOUND,  
THIRUVANANTHAPURAM-33

Phone : 0471-2324951  
: 0471-2325071  
TeleFAX: 0471-2324951  
email: celsgd@gmail.com  
website: www.celsgd.com

No.DB1- 3061/13/CE/LSGD

Dated: 14.06. .2013

From

The Chief Engineer

To

All Corporation Engineers/ All Municipal Engineers/  
All Executive Engineers,  
District Panchayath  
Local Self Government Department

Sir,

Sub:- LSGD – Training Programme on “Earthquake Resistant Design &  
Structural Engineering” – reg.

Ref:- E-mail dated 13.06.2013 from Dr. Padmini. A.K, Professor and Head  
Department of Civil Engineering, Rajeev Ganadhi Institute of  
Technology, Kottayam

The Engineers who wish to participate in the training programme referred  
above may be permitted to attend with the consent of their respective Executive  
Engineers or controlling officers without affecting their general duty and project  
preparation /implementation.

Encl:- Copy of the e-mail

Yours faithfully,

Sd/-

Chief Engineer

Approved for issue

Deputy Chief Engineer

### **Sponsorship**

Sri/Smt.....  
.....  
..... is an employee of our institution  
and he/she is hereby sponsored for the 5-day  
training programme on “Earthquake Resistant  
Design and Structural Rehabilitation” from July  
1<sup>st</sup> to 5<sup>th</sup> 2013. The applicant would be permitted  
to attend the workshop, if selected.

Place: Signature of the  
Date: sponsoring authority

Office seal

### **Important dates**

Last date of receipt of application:  
21<sup>st</sup> June 2013

Intimation of selection by email:  
28<sup>th</sup> June 2013

Course Duration:  
1<sup>st</sup> to 5<sup>th</sup> of July 2013

Mail your queries to [jjijanna.cet@gmail.com](mailto:jjijanna.cet@gmail.com)

### **About the Institute**

Rajiv Gandhi Institute of Technology is a Government Institution named after the late Prime Minister Sri. Rajiv Gandhi. The college is situated in a campus extending over 87 acres on the Kottayam – Kumily Highway (NH-220) and is 15 kms from Kottayam Railway station. The college is offering undergraduate courses in six branches of engineering and post graduate programmes in five disciplines. The college is affiliated to the Mahatma Gandhi University, Kottayam, Kerala.

With its vast infrastructure along with a team of dedicated teachers, it has attained a remarkable place as a technical training institute.

### Address for communication

**Dr. Padmini A.K.,**  
**Professor & Head, Civil Department,**  
**Rajiv Gandhi Institute of Technology,**  
**Kottayam 686 501**

### **Short Term Training Programme**

**On**

## **Earthquake Resistant Design and Structural Rehabilitation**

July 1<sup>st</sup> – 5<sup>th</sup>

*Sponsored by*

**TEQIP (Phase II)**

*Organized by*



**Rajiv Gandhi Institute of Technology**  
**Government Engineering College**  
**Kottayam**

### Coordinators

**Dr. Padmini A.K.**  
**Professor & Head, Civil Department**  
**Dr. Jiji Anna Varughese**  
**Assistant Professor, Civil Engineering**



## Objective of the course

Earthquake resistant design (EQRD) and structural rehabilitation is an area of interest for both the researchers and engineers. Imparting training to both teaching faculty and practicing engineers on the fundamental principles of EQRD and the various seismic codal provisions would help in building up a safe and secure nation against natural disasters. Hence, the course aims to inculcate the basic knowledge related to the seismic behaviour of existing buildings and the need for earthquake-resistant design, and to familiarize the provisions in seismic codes and the various rehabilitation measures.

## Course content

Introduction to Earthquake Engineering – Earthquake Hazard of buildings – Performance of buildings in past earthquakes.

Geotechnical failures in past earthquakes- Liquefaction of soils –Field investigations.

Earthquake resistant design of masonry structures- Performance of heritage buildings.

Earthquake behaviour of buildings – Earthquake resistant design of RC buildings - Open ground storey buildings- Repair vs. strengthening of buildings.

Ductility in structures- Earthquake resistant design of steel structures-EQ protection of non-structural elements.

## Eligibility for Admission

Faculty from AICTE approved Engineering colleges can apply. Interested practicing Engineers / Architects from various Government departments and established companies can also apply.

## Fee Structure

No registration fee will be charged from the participants sponsored by Govt./ Govt. aided/ Govt. controlled Engineering Colleges. Registration fee for participants from self financing educational institutions is Rs.1000/- and for practicing Engineers is Rs 2000/- payable at the time of registration.

## Resource Persons

Prof. C.V.R Murty, Professor, IIT Madras.

Dr. R. Pradeep Kumar, Professor, EERC, IIIT Hyderabad

Dr. G R Dodagoudar, Associate Professor, IIT Madras

Dr. Rupen Goswamy, Assistant Professor, IIT Madras

Dr. Arun Menon, Assistant Professor, IIT Madras

## How to apply

Completed application form should reach the course coordinators latest by **21<sup>st</sup> June 2013**.

A scanned copy of the application may also be mailed to [jijianna.cet@gmail.com](mailto:jijianna.cet@gmail.com)

## APPLICATION FORM

### Short Term Training Programme on “Earthquake Resistant Design and Structural Rehabilitation”

1. Name:
2. Age/ Date of Birth:
3. Gender :Male/Female:
4. Qualification:
5. Designation:
6. Department/Organization:
7. Specialization:
8. Address for communication:
9. Phone:
- 10.Email:
- 11.Accommodation required : Yes/ No

## Declaration by the Applicant

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. I also undertake the responsibility to inform the coordinator, in case I am unable to attend the course.

Place:

Date:

Signature of the Applicant