

### **Introduction**

The research of structural health monitoring and damage detection has recently become an area of interest for a large number of academic institutions and commercial laboratories. This kind of technique allows systems and structures to monitor their own structural integrity, and also reduces maintenance and inspection cost of systems and structures.

### **Course Objectives**

- To understand the investigation methods of the damage state of the members/structure in service
- To make the participants conversant with principles of health monitoring
- To familiarize the case studies in health monitoring
- To understand the applications of structural dynamic data for the health monitoring of structures

### **Course Content**

- Investigation of distress in structures
- Forensic Engineering and its applications in Civil Engineering
- Structural health monitoring techniques
- NDT methods for damage assessment in structures
- Corrosion health monitoring of structures
- Case studies and testing methods

### **Resource Persons**

Experts from Engineering colleges like NIT, CET and other Government Organizations like VSSC.

### **Eligibility**

The course is mainly for teachers of approved Engineering Colleges interested in the field of Science and Engineering.

### **Registration**

Registration will be done free of cost for faculty members of Government/Aided Colleges. The faculty from Self-financing institutions will have to pay Rs. 5000/- by Demand Draft or by cash. The DD has to be made in favour of The Principal, College of Engineering Trivandrum, payable at SBT, Engineering College Branch, Trivandrum. Admission will be offered on a first come first serve basis for up to 30 participants.

### **How to apply**

Application form duly filled in the prescribed format and recommended / sponsored by the competent authority shall reach the coordinator on or before **11<sup>th</sup> November 2016**. Selected applicants will be intimated by e-mail on **15<sup>th</sup> November 2016**.

## Short Term Training Programme on **Health Monitoring of RCC/Steel Structures**

**21<sup>st</sup> November to 26<sup>th</sup> November 2016**  
**Registration Form**

Name:.....

Designation:

Address:

.....

Phone No.....

E-mail:

Sex:.....

Highest Qualification:.....

Specialization:.....

Experience (in years)

a) Teaching/Research:.....

b) Others:.....

Area of Research/Interest:.....

Details of DD:

### **Certificate**

Certified that the information furnished above is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the conduct of this programme.

Signature of the applicant:

### Sponsorship Certificate

Certified that Mr/ Mrs.....  
..... is an  
employee of our institution and is hereby  
sponsored for the STTP on 'Health Monitoring  
of RCC/Steel Structures' at College of  
Engineering Trivandrum.

Mr/Mrs ..... will  
be permitted to attend the training programme  
if selected.

Name &  
Signature of the sponsoring Authority

Place  
Date

### Address for Correspondence

Dr. K.R. Bindhu  
Course coordinator  
Professor  
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Short Term Training Programme  
on

### HEALTH MONITORING OF RCC/STEEL STRUCTURES

21<sup>st</sup> November – 26<sup>th</sup> November, 2016

Department of Civil Engineering

*Co-ordinators*  
**Dr. K. R. Bindhu**  
**Dr. Yashida Nadir**



College of Engineering Trivandrum,  
Thiruvananthapuram

Sponsored by  
Directorate of Technical Education  
Government of Kerala