

## INSTITUTION PROFILE

Government College of Engineering, Tirunelveli is a state-owned Engineering Institute located in the town of Tirunelveli in the state of Tamil Nadu. Tirunelveli is often referred as the 'Oxford of south India' due to the larger number of educational institutions present. It is affiliated to the Anna University, Chennai. It was established in the year 1981. The college is spread over an area of 23 hectares. The institution offers five undergraduate and three postgraduate programs.

A post graduate course in Computer Science and Engineering was started during 1994 and Engineering Design and Power Electronics & Drives are started during 2002. Since 2017 PG courses in Structural Engineering & Communication System are also being offered. Part time B.E., Degree courses are offered in Civil, Mechanical, Electrical & Electronics Engineering and Electronics and Communication Engineering and Computer Science Engineering. The curriculum has been structured by Anna University, Chennai. The College has a sound infrastructure with well equipped laboratories, Workshop, Computer Centre, Library and staff numbering about 200. All the departments of this college function in separate buildings

## ABOUT THE DEPARTMENT

The Civil Engineering department has been incepted in the year 1981, which produces daring and dynamic professionals. The department offers B.E Programme in Civil Engineering (Both Regular and Part- time) and M.E in Structural Engineering. Our Mission is to develop professionally superior and ethically strong technocrats with an ability to adopt into an intellectually and technologically challenging environment. The department has sophisticated infrastructural facilities, fully equipped state of the art of laboratories with well qualified and experienced faculty members imparting high quality engineering education. It serves the prime objective of imparting technical education to the students. Faculty members are actively involved in Research, Consultancy and Testing Services

## ABOUT THE PROGRAMME

Structural analysis is the determination of the effects of loads on physical structures and their components. It is a comprehensive assessment to ensure that the deformations in a structure will be adequately lower than the permissible limits, and failure of structure will not occur. The aim of structural analysis is to design a structure that has the proper strength, rigidity, and safety. Structural analysis employs the fields of applied mechanics, materials science and applied mathematics to compute a structure's deformations, internal forces, stresses, support reactions, accelerations, and stability. The results of the analysis are used to verify a structure's fitness for use, often precluding physical tests. Structural analysis is thus a key part of the engineering design of structures

Hence the present Faculty Development Programme on "Structural analysis II" is expected to introduce the overall concept of structural analysis of different structures especially indeterminate beams, frames etc. which will help the participants to understand and solve different structural members of a structure. The FDP covers the following

### TOPICS

- Matrix Method of Analysis
- Finite Element Method
- Plastic Analysis of Structures
- Analysis of Space And Cable Structures
- Analysis of Beams curved in Plan

### RESOURCE PERSONS

Eminent experts from other Universities, Colleges and Industry will deliver lectures during technical sessions.

### ACCOMODATION

Hostel Accommodation will be arranged for outstation participants on request to the availability. Travelling expenses are to be borne by the participants or their respective Institute.

## TWO-WEEK FACULTY DEVELOPMENT TRAINING PROGRAMME

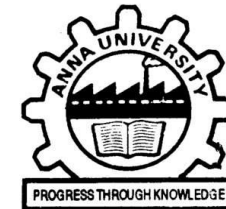
ON

CE6602 STRUCTURAL ANALYSIS II

26<sup>th</sup> November – 7<sup>th</sup> December 2018

Co-ordinators

Dr. K. Sumangala  
Mr. B. Venkatesh



Sponsored by  
Anna University  
Chennai

Organised by

DEPARTMENT OF CIVIL ENGINEERING  
Government College of Engineering  
Tirunelveli – 627 007  
Phone: 0462-2552450  
Fax: 0462-2554012

## APPLICATION FORM

### Faculty Development Training Programme on CE 6602 STRUCTURAL ANALYSIS II

(November 26<sup>th</sup> –December 7<sup>th</sup>, 2018)

1. Name
2. Date of Birth & Age
3. Gender
4. Designation
5. Institution Name & Address
6. E-mail ID
7. Mobile No
8. Qualification with Branch of Study
9. Professional Experience (in years)  
Teaching -  
Industry –
10. Accommodation Required: Yes/No.
11. Declaration

Mr./Ms./Dr. \_\_\_\_\_ working  
as \_\_\_\_\_ in \_\_\_\_\_ -

\_\_\_\_\_ declare that I am participating in the FDTP on Structural Analysis II at Department of Civil Engineering, Government College of Engineering, Tirunelveli – 627 007 from 26.11.2018 to 07.12.2018. I also confirm that in the above mentioned period I will not be involved in any official work. All the information provided by me are true to the best of my knowledge. I agree to abide by the rules and regulations governing the Faculty Development Training Programme. If selected, I shall attend the program for the entire duration.

Date :

Place : Signature of the Applicant

## SPONSORSHIP

Mr./Ms./Dr. \_\_\_\_\_ is an employee of our Institution/Organization since \_\_\_\_\_ and is hereby sponsored for the Faculty Development Training Programme on Structural Analysis II. He / She will be permitted to attend the entire duration of the programme, if selected.

Date : \_\_\_\_\_  
Place : \_\_\_\_\_  
Signature & Seal of the  
Sponsoring Authority

## GUIDELINES FOR PARTICIPANTS

- Only Anna University affiliated college faculty members from the departments offering this course will be considered for selection
- Only 25 Participants will be selected, based on the eligibility criteria and the order of receiving completed application forms
- Participation fee will not be collected
- Lunch will be provided on all the days in which sessions will be conducted
- The classes start at 9.00AM and will be over by 4.45PM with lunch break from 12.15PM to 1.30PM on all the days

## IMPORTANT DATES

Submission of Application : **19.11.2018**  
Intimation of Selection : **20.11.2018**  
Confirmation by Participants : **22.11.2018**

## ADDRESS FOR COMMUNICATION

**The FDTP@CE6602 Coordinator**  
Department of Civil Engineering  
Government College of Engineering,  
Tirunelveli – 627 007  
9486628431, 8870542624  
**sumangala@gcetly.ac.in**

## ORGANISING COMMITTEE

### CHIEF PATRON

**Dr. M.K. SURAPPA**

Vice-Chancellor  
Anna University,  
Chennai

### PATRON

**Dr. J. KUMAR**

Registrar,  
Anna University,  
Chennai

### CHAIR

**Dr. D. SRIDHARAN**

Director, CFD

**Dr. I. ARUL ARAM**

Addl Director, CFD

### CO-CHAIR

**Dr. M. ISAAC SOLOMON**

**JEBAMANI, B.E., (Distn),**  
M.E., Ph.D.,  
Principal,  
GCE, Tirunelveli

**Prof. S. SIDHARDHAN**

Vice-Principal & HOD/Civil  
GCE, Tirunelveli

### CO ORDINATORS

**Dr. K. SUMANGALA**

**Mr. B. VENKATESH**

Assistant Professors  
Department of Civil  
Engineering

### VENUE

**SEMINAR HALL**

Department of Civil  
Engineering