

## ORGANIZING COMMITTEE

### **Chairman**

**Dr R Rudramoorthy**

Principal  
PSG College of Technology

### **Convenor**

**Dr G Sankarasubramanian**

Professor & Head  
Department of Civil Engineering  
PSG College of Technology

### **Organizing Secretary**

**Mr S Praveenkumar**

Assistant Professor (Sr.Gr.)  
Department of Civil Engineering  
PSG College of Technology

## REGISTRATION DETAILS

### **Important Dates to Remember:**

Last date for registration : 29-05-2019

Intimation date (thro website) : 31-05-2019

### **How to apply?**

Registration for the FDP can be made by sending the duly filled registration form along with Demand Draft drawn in favor of "PSG CNCE" payable at Coimbatore.

### **Registration fee: Rs. 1500/-**

The participants should send their registration form in the specified format to reach us on or before 29-05-2019

The registration fee includes cost towards course material, lunch, and refreshment.

*The fee paid will not be refunded under any circumstances for the selected participant.*

### **Registration**

Limited to 30 participants on first-come-first served basis.

. \*Attendance is compulsory for all the days of the FDP.

## ABOUT THE FDP

Faculty Development Programme (FDP) is designed to demonstrate the relevance and importance of key construction materials and its characterization methods to the participants and to familiarize them with the technical advances that have taken place over the years. The FDP will focus on the structure-property correlations and how these could be unraveled by the use of characterization methods such as optical and scanning electron microscopy, x-ray diffraction and field emission scanning electron microscopy. In this FDP, we will provide a brief introduction to the sustainable construction materials, its structure, relevance to the properties and hence applications followed by a short description of diffraction, imaging, and spectroscopy principles. Then, we will discuss various characterization techniques. It will also explore techniques for quantifying microstructures of sustainable construction materials observed using various microscopy methods. The FDP will not only provide a theoretical background but will also provide a real experience on sustainable materials selection and to know about its characterization, complemented by lectures and lab sessions.

## CONTENTS OF FDP

- Sustainable construction materials
- Special concretes with low carbon emission
- Technologies to improve sustainability in construction using sustainable materials
- Green new deal construction methods
- Conservation of historical concrete structures
- Introduction to micro-structure of materials
- Microstructure property relationships
- Influence of the microstructure on properties of various construction materials
- Experimental techniques

## EXPECTED PARTICIPANTS

- Faculty and research scholars working in Engineering/Polytechnic colleges

**PSG College of Technology  
Coimbatore-641004**



**TEQIP III Sponsored  
Faculty Development Programme**

**on**

**"Sustainable Construction Materials and its  
Characterization"**

**June 10-16, 2019**



**Organized by**



**Department of Civil Engineering  
PSG College of Technology  
Peelamedu, Coimbatore-641004**

## RESOURCE PERSONS

The experts are from academia and industry will deliver the lectures and hands-on training.

## ACCOMODATION

Accommodation for participants is limited in the hostel premises on chargeable basis, participants are requested to confirm in advance.



**The duly filled Registration form is to be sent to:**

**Mr S Praveenkumar**

Assistant Professor (Sr.Gr.)  
Department of Civil Engineering  
PSG College of Technology  
Coimbatore - 641 004  
Mobile: 9894861585  
E-mail: [spk.civil@psgtech.ac.in](mailto:spk.civil@psgtech.ac.in)

**For more details log on to**  
[www.psgtech.edu](http://www.psgtech.edu)

## ABOUT THE COLLEGE

PSG College of Technology, established in 1951, is one of the many educational institutions nurtured by PSG & Sons' Charities Trust. The college is Government-Aided, Autonomous, ISO 9001 2008 certified and affiliated to Anna University. Equipped with latest facilities and excellent infrastructures, the college offers a total of 48 full-time and part-time programmes in Science, Engineering and Management at UG & PG levels. The institution has a strong alumni base, most of them occupying coveted positions in many educational, industrial and research organizations all over the world. Currently more than 520 research scholars, both full-time and part-time, are working for their Ph.D. degree. The College has developed 25 Centres of Excellence in various disciplines. More research facilities have been created in tie-up with numerous leading industries worldwide.

## ABOUT THE DEPARTMENT

The Department offers one undergraduate programme in Civil engineering and two post graduate programmes in Structural Engineering and Infrastructure Engineering. The department has conducted many international conferences and national conferences and several short-term refresher courses, AICTE sponsored summer / winter schools besides consultancy work. International Conference EQADS 2011 on Earthquake Analysis & Design of Structures and SCACT 2012 on Sustainability Challenges and Advances in Concrete Technology have been organized. The department has expert faculty and excellent computational and experimental facilities. Several PhD degrees have been awarded and currently 15 students are pursuing their research work in the department. Many sponsored research projects have also been completed. The department has received laboratory enhancement grant and library grant under National Programme on Earthquake Engineering Education (NPEEE).

**DEPARTMENT OF CIVIL ENGINEERING  
PSG COLLEGE OF TECHNOLOGY  
COIMBATORE – 641 004**

**TEQIP-III Sponsored  
Faculty Development Programme  
on  
“Sustainable Construction Materials and its  
Characterization”**

**June 10-16, 2019**

## REGISTRATION FORM

Name (in Block Letters): .....

Date of birth & Age: .....

Gender : .....

Category : OC/BC/BCM/MBC/DNC/SC/ST

Qualification : .....

Experience (if any) : .....

Designation & Dept. : .....

Organization : .....

Address for : .....

Communication:

Office No. :..... Mob No. :.....

Email Id:.....

Demand Draft No. & Bank: .....

Amount in Rs.  
:.....

## **DECLARATION BY THE CANDIDATE**

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration.

Place:

Date:

Signature of the participant