

## ABOUT THE WORKSHOP

Materials' testing is the specialized area of Civil Engineering that deals with the properties and science of materials, specifically construction materials which also includes Geo and Concrete materials. The materials engineering laboratory deals primarily with testing, evaluating, and monitoring materials and processes used in construction. This workshop aims to provide the basic platform for the final year & pre-final year Civil Engineering students with respect to different testing on Geo and Concrete materials and their instrumentation, equipments etc.

Experimental studies on Geo and Concrete materials is the need of the hour for the betterment of the students in terms of their practical knowledge rather than theoretical knowledge. This will enhance the student's potential as one of the step stone, who have an aim for higher studies, appearing for competitive examinations, facing industrial needs etc.,

Also this will have a great bearing on the exposure of unique facilities available in the department of Civil Engineering in SRMIST to Engineering students and subsequent higher studies of young graduating Engineers in institution across the country. Similarly, there is an urgent need to prepare Engineering students for jobs in multinational companies, by exposing them to latest Technologies and Engineering methodologies. These objectives can only be achieved well by bridging the gap between practical and the theoretical knowledge.

## OBJECTIVE

The workshop envisages the creation of a platform to develop the skills of the young aspiring Civil Engineering students for the practical training in Geosynthetics and Concrete materials in the department of Civil Engineering, SRM IST. This allows introduction of new research in institutes and state of the art techniques adopted. This workshop provides

hands on training on Soil strength characteristic, Geo synthetic properties and also provides training on Special concrete using M-sand and coconut shell aggregates. It involves participation of student in technical education programmes and academia research, with a view to gain the advantage of fertilized ideas for system improvement. It also helps the participants to get acquainted with material testing practices and their integration in technical knowledge and their implementation aspects.

## FACULTY CONNECTS

**Dr. P. T. Ravichandran**  
Professor

**Dr. P. R. Kannan Rajkumar**  
Associate Professor

**Ms. Mary Rebekah**  
Assistant Professor

**Mr. S. Dhanasekar**  
Assistant Professor

**Mr. A. Manimaran**  
Assistant Professor

**Ms. C. Pavithra**  
Assistant Professor

**Dr. K. Gunasekaran**  
Professor

**Dr. L. Krishnaraj**  
Assistant Professor

**Ms. V. Janani**  
Assistant Professor

**Mr. S. Anandh**  
Assistant Professor

**Ms. D. Jaishree**  
Assistant Professor

**Er. J. Arunraj**  
HEICO

## ADDRESS FOR COMMUNICATION

**Dr. K. S. SATYANARAYANAN**  
Professor & Head, Department of Civil Engineering,  
Faculty of Engineering and Technology,  
SRM Nagar, SRM Institute of Science and Technology,  
Kattankulathur - 603203, Kancheepuram Dist. (TN)  
Email Id : hod.civil@ktr.srmuniv.ac.in

## FOR QUERIES CONTACT

**Ms. C. Sudha**  
Email Id: sudha.c@ktr.srmuniv.ac.in

**Ms. Divya Krishnan K**  
Email Id: divyakrishnan.k@ktr.srmuniv.ac.in

One Day Skill Development  
Practical Workshop on

# SOIL REINFORCEMENT AND SPECIAL CONCRETE MATERIALS

09<sup>th</sup> February, 2019



# SRM

INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University u/s 3 of UGC Act, 1956)

**Convener**

**Dr. K. S. SATYANARAYANAN**  
Professor and Head

**Coordinators**

**Ms. C. SUDHA**, Assistant Professor

**Ms. DIVYA KRISHNAN K**, Assistant Professor

**Organised by**

**Department of Civil Engineering  
Faculty of Engineering and Technology  
SRM Institute of Science and Technology**

**In Association with**



**Hydraulic & Engineering Instruments  
New Delhi**

## ABOUT SRMIST

Sri Ramasamy Memorial Engineering College (SRMEC) was started in the academic year 1985-86 at Kattankulathur, Kanchepuram District, Tamil Nadu, India. After being accorded the deemed to be university status in the year 2002, SRM Institute of Science and Technology (formerly known as SRM University) has made rapid strides in the field of education and has now become a multi stream university with six Faculties – Engineering & Technology, Science & Humanities, Medicine & Health Sciences, Management, Law and Agricultural Sciences. SRMIST is one of the top ranking institutions in India functioning in four campuses located at Kattankulathur, Vadapalani and Ramapuram in Tamil Nadu besides a fourth campus at Modi Nagar, Ghaziabad, with over 50,000 students and 3000 faculty, offering a wide range of Undergraduate, Postgraduate and Doctoral programs. Recently SRM IST has been accredited with the highest grade of A++ (A double plus) by NAAC. World renowned ranking agency QS has rated SRMIST as a '4 Star' institute with '5 Star' ratings in Teaching, Employability and Inclusiveness. MHRD has placed SRMIST under Category A. In addition to institutional accreditation, 5 undergraduate engineering programs of Kattankulathur campus have been accredited by different commissions of ABET(USA) ([www.abet.org](http://www.abet.org)) and IET (UK) has accredited four other programs. This institution hosted the 98<sup>th</sup> Indian Science Congress in 2011 where distinguished delegates including six Nobel Laureates and other celebrated scientists, academicians and philosophers participated and delivered their thoughts. The launching of SRMSAT satellite in collaboration with ISRO was another milestone. SRMIST was ranked No.1 private engineering institute by Times of India, in 2018. SRM Group has also established State Private Universities in the States of Haryana, Sikkim and Andhra Pradesh in India.

## ABOUT THE DEPARTMENT

The Department of Civil Engineering has been in existence since 1985. The academic programmes are B.Tech. Civil Engineering, M.Tech. in Structural Engineering, Construction Engineering and Management, Geotechnical Engineering, Remote Sensing & Geographic Information System, and Environmental Engineering and Ph.D. in Civil Engineering. Well qualified and experienced faculty members form the nucleus of the department. They are specialized in structural, geotechnical, environmental, water resources, transportation, surveying and construction engineering & management and remote sensing and GIS. The labs are well equipped with state of the art equipment. The department holds membership in CIDC (Construction Industry Development Council), INSDAG (Institute of Steel Development and Growth) and CMS (Construction Management Society). A student chapter has been established for Indian Concrete Institute. Experts from industry are regularly invited to deliver lectures and to interact with students and faculty members. B.Tech Civil Engineering program of Kattankulathur campus has been accredited by the Engineering Accreditation Commission (EAC) of ABET, ([www.abet.org](http://www.abet.org)).

## ELIGIBILITY & REGISTRATION FEE

UG - Final year and Pre final year students of Civil Engineering (Maximum of Five students per Institution)

### Registration Fee : Rs. 200/- per student

The number of participants is limited to 35 on first-come first-served basis.

## ACCOMMODATION

Boarding / Lodging facilities will be provided on request for outstation participants in the hostel with an additional cost.

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### REGISTRATION FORM

Name: \_\_\_\_\_

Year of study: \_\_\_\_\_

Institution: \_\_\_\_\_

Address for communication:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mobile No.: \_\_\_\_\_

Email: \_\_\_\_\_

Amount :Rs. 200/- (Rupees Two hundred only)

Accommodation Required: Yes / No

( Only outstation participants )

Date :

Signature

Signature of the Authorised Person