

**Faculty Development Program on
EXPERIMENTAL STUDIES ON
CONCRETE AND SOIL CHARACTERISTICS**

13th - 17th May, 2019

REGISTRATION FORM

Name: _____ Designation: _____

Institution: _____

Address for communication: _____

Mobile No. : _____ Email: _____

Payment Details : Bank Name : _____

Amount : _____ DD Number : _____

Accommodation Required : Yes / No

(participants)

Date : _____ Signature _____

ELIGIBILITY

Faculty members working in Polytechnics and Engineering Colleges in the Field of Civil Engineering. Number of participants is limited to 30.

REGISTRATION FEE: Rs. 750/- per Faculty

Fee payment through Demand Draft in favour of “**CIVIL ENGG ASSOCIATION**” payable at Kattankulathur.

ACCOMMODATION

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

ADDRESS FOR COMMUNICATION

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Dr. P.T. RAVICHANDRAN

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Conveners

Dr. SUDHINDRA NATH PANDA

Director, NITTTR, Taramani, Chennai

Dr. K.S. SATYANARAYANAN

Professor and Head / Civil, SRM IST

Coordinators

Dr. G. JANARDHANAN

Dr. K.S.A. DINESH KUMAR

NITTTR, Taramani, Chennai

Dr. P.T. RAVICHANDRAN

Dr. K. GUNASEKARAN

Department of Civil Engineering, SRM IST

Organized by



**NATIONAL INSTITUTE OF TECHNICAL TEACHERS
TRAINING AND RESEARCH (NITTTR)**

[MINISTRY OF HUMAN RESOURCE DEVELOPMENT,
GOVT. OF INDIA]

Taramani, Chennai 600113, Tamilnadu



SRM

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

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Department of Civil Engineering
Faculty of Engineering and Technology
SRM Nagar, Kattankulathur - 603 203
Kancheepuram Dist.(TN)

In support with



Hydraulic & Engineering Instruments
New Delhi



**The Institution of
Engineering and Technology**

ABOUT NITTTR CHENNAI

The National Institute of Technical Teachers Training and Research (NITTTR) Chennai was established as an autonomous institute by the Ministry of Human Resource Development, Government of India in the year 1964 to improve the quality of Technical and Vocational Education and Training (TVET) system in India and in the southern region in particular. Within this mandate, the institute takes initiatives to offer need based Human Resource Development programmes through appropriate modes and develop curricula and instructional resources. It also fosters research in the inter disciplinary area of Engineering Education and offers consultancy and extension services for the total development of technical institutions, industries, government agencies, service sector and the community at large. In carrying out the above mandate, the institute collaborates with National and International Institutes, Universities and other agencies interested in and / or deriving benefits from technical education and training.

ABOUT SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Sri Ramasamy Memorial Engineering College (SRMEC) was started in the academic year 1985-86 at Kattankulathur, Kancheepuram 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 38,000 students and 2600 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. QS-Igauge has given 'Diamond' status to SRM IST. UGC / MHRD has granted autonomy to SRM IST by categorizing it a 'Category I institute. MHRD has placed SRM IST under Category A. SRM IST has been ranked within the top 50 consistently by NIRF and its position is 31 in NIRF-2019. SRM IST also regularly figures in the ranking list of world renowned global ranking agencies like QS (UK) and Times Higher Education – THE (UK). In addition to institutional accreditation, 5 undergraduate engineering programs of Kattankulathur campus have been accredited by different commissions of ABET (USA) (www.abet.org) and IET (UK) has accredited four other programs. This institution hosted the 98th 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. SRM Group has also established State Private Universities in the States of Haryana, Sikkim and Andhra Pradesh in India.

ABOUT THE CIVIL 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 and also for American Society of Civil Engineers. Experts from industry and also alumni 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).

ABOUT THE PROGRAM

In any field of study, experimental studies are very much important to know the behaviour of materials and to assess their performance and characteristics. The field of Civil Engineering deals with the properties and science of materials, particularly construction materials that include Concrete and Soil materials, experimental studies deal primarily with testing, evaluating, and analysing the material properties and characteristics so that they can be implemented in field practice. This program aims to provide the platform for the faculty members of Civil Engineering to different experiments including, techniques, instrumentation, equipment etc on concrete and soil characteristics. Soil – structure interaction which needs the compatibility between soil and the construction materials is the back bone of any infrastructure development at any place. Therefore, experimental studies on concretes and soils are the need of the hour for the faculty members to upgrade their practical knowledge, through hands on experience during the course of the program. This skill development program is proposed to be organized in association with NITTTR Taramani, Chennai.

OBJECTIVE

This program aims to develop and upgrade the Teaching Learning Potential of the faculty members on the recent techniques and experimental studies on Concrete and Soil characteristics using advanced equipment and instruments. This will open the way for new research being carried out using state of the art techniques. The program aims to provide hands on training on special Concretes using M-sand and coconut shell aggregates and self-compacting concrete; Soil strength characteristics such as physical, index, strength characteristics of soil and ground improvements using geo synthetic etc. As an outcome, the participants will be empowered to carry out cutting edge research leading to practical application and resulting in improvements in materials, systems and processes related to civil engineering and thus matching the best globally.

FACULTY CONNECT

Dr. P. R. Kannan Rajkumar
Associate Professor

Ms. C. Sudha
Assistant Professor

Ms. Mary Rebekah Sharmila
Assistant Professor

Ms. D. Jaishree
Assistant Professor

Dr. L. Krishnaraj
Assistant Professor

Ms. Divya Krishnan K
Assistant Professor

Mr. S. Dhanasekar
Assistant Professor

Mr. A. Manimaran
Assistant Professor

Dr. M. Balasubramanian
Assistant Professor

Ms. C. Pavithra
Assistant Professor

Mr. R. Vinoth Kumar
Assistant Professor

Er. J. Arunraj
HEICO