

ORGANIZING COMMITTEE

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Dr. Nalla G. Palaniswami,
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Dr. N.G.P. Institute of Technology.

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Secretary,
Dr. N.G.P. Institute of Technology.

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Chief Executive Officer,
Dr. N.G.P. Institute of Technology.

President

Dr.K.Porkumaran,
Principal,
Dr. N.G.P. Institute of Technology.

Convenor

Dr.P.Muthupriya, Professor & Head,
Dept.of Civil Engineering,
Dr. N.G.P. Institute of Technology.

Coordinators

Mr.G.Krishnaraaju, AP/Civil Engg.
Ms. S. Sukrithi, AP/Civil Engg.
Dr. N.G.P. Institute of Technology,
Coimbatore.

TARGET AUDIENCE

This seven days faculty development programme is deliberately designed for the professionals working as Academic Faculty Members and Research Scholars.

ABOUT THE COURSE

This FDP aims to provide a thorough knowledge about the concepts in Soil Mechanics and Earthquake Geotechnical Engineering. This course will be extremely beneficial to the faculty members to update their knowledge in Soil Mechanics & Earthquake Geotechnical Engineering. Soil Mechanics and Earthquake Geotechnical Engineering are Anna University core subjects and one among the main subjects under other Universities. This FDP is planned for 7 days consisting of 10 sessions covering the entire syllabus of Anna University and One day Field visit.

OBJECTIVE

This course aims to provide a platform for the faculty to understand the concepts of Soil Mechanics & Earthquake Geotechnical Engineering and also makes the faculty to deliver the contents effectively to the students.

IMPORTANCE OF SOIL MECHANICS & EARTHQUAKE GEOTECHNICAL ENGINEERING

During the building process, one thing should never be overlooked: the soil. Such is a science called Soil Mechanics. It is an area in Civil Engineering that tackles the characteristics of soil, which encompass the concerns, such as the strength, composition, and moisture adaptability. With its scope, Soil Mechanics is certainly important in building foundations, regardless of the size of the structure. Geotechnical seismic engineering is an important area in geotechnical engineering; Earthquake Geotechnical Engineering introduces the fundamental concepts of earthquake engineering related to geotechnical problems, principles of earthquake, wave propagation, dynamic soil properties, liquefaction and seismic design of various geotechnical structures.

DISCUSSION TOPICS

- Soil Classification and Shear Strength
- Soil Water and Water Flow
- Stress Distribution and Settlement
- Slope Stability
- Seismology and Earthquakes
- Dynamic Properties of Soils
- Seismic Hazard Analysis
- Ground Response Analysis
- Liquefaction Analysis

One Week Faculty Development Programme

On

CE6405 Soil Mechanics & CE6022 Earthquake Geotechnical Engineering

20th -26th November 2017

Convenor

Dr. P. MUTHUPRIYA

Co-ordinators

Mr. G. KRISHNARAAJU

Ms. S. SUKRITHI



Organized by

Department of Civil Engineering
Dr. N. G. P. Institute of Technology
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai and Accredited by NAAC)
COIMBATORE - 641 048

In association with



Indian Concrete Institute &



Builders Association of India,
Coimbatore Centre.

RESOURCE PERSONS

- **Dr.K.Muthukumar**
Associate Professor,
Department of Civil Engg.,
NIT, Trichy
- **Dr.M.Palani Kumar**,
Associate Professor,
Department of Civil Engg.,
PSG College of Technology,
Coimbatore.
- **Dr.P.D.Arumairaj**,
Professor & Head,
Department of Civil Engg.,
Karunya University, Coimbatore.
- **Dr.V.G.Srishanthi**,
Professor, Department of Civil Engg.,
Coimbatore Institute of Technology,
Coimbatore
- **Dr.G.Hemalatha**,
Associate Professor,
Department of Civil Engg.,
Karunya University, Coimbatore
- **Dr.K.Murali**,
Professor, Department of Civil Engg.,
Sri Ramakrishna Institute of
Technology, Coimbatore
- **Dr.S.P.Jeyapriya**, Assistant Professor,
Department of Civil Engg.,
Government College of Technology,
Coimbatore
- **Mr.S.Elayaraja**, Assistant Professor,
Department of Civil Engineering,
PSG Institute of Technology & Applied
Research, Coimbatore
- **Er.V.Karthik,M.E.,(Ph.D.)**,
Structural Engineer and Approved Valuer,
Allvilla Group of Engineers, Salem.
- **Er.A.Karthikeyan, M.E.,**
Professional Engineer,
Karthikeyan Associates, Chennai.

ABOUT Dr.N.G.P. INSTITUTE OF TECHNOLOGY

The essence of education lies in translating opportunities into experiences of empowerment, in transcending 'what is' to 'what can be' and transforming limitations into limitless learning. Welcome to an institution that recognizes the power of education to help Nurture, Grow and Progress. Dr.Nalla.G.Palaniswami - A name that is taken with great reverence by the medical fraternity and common public alike, for his pioneering efforts in providing quality healthcare. Since its inception in 1989, the Kovai Medical Center and Hospital or KMCH as we know it, has been redefining the corporate hospital set up, making healthcare accessible to all, catering to patients from all over the globe. Looking beyond its success and recognizing the need for competent technical education, Dr.N.G.P. initiated the establishment of Dr.N.G.P. Institute of Technology in 2007, and the N.G.P. Group of educational institutions. The College has been affiliated to Anna University, Chennai, approved by the All India Council for Technical Education (AICTE), New Delhi, recognized by UGC under section 2(f) and Accredited by NAAC.

ABOUT THE DEPARTMENT

The Department of Civil Engineering has been in existence since 2011. The Department is grown into a fully fledged one with well equipped lab facilities and Infrastructure. The Department has well experienced Faculty members of various specializations. The activities in the Department are carried out to Consort the global innovations, inventions, alternate resource development upgraded in the civil world for the human mankind journey. The students are trained to upgrade themselves and the Department is striving to mould them in to a better engineer in this society.

VISION

Enhance Technical knowledge to meet industrial expectation and lead the society towards sustainability.

MISSION

MD1 -To organize practical oriented learning through novel teaching methods for the betterment of students

MD2 - To stimulate the graduates to become technically skilled professionals, managers and employers in the field of civil engineering.

MD3- To emphasize the professional challenges and contribute to the growth of Science and Technology in partnership with industry.

MD4- To create centre of excellence by providing resourceful laboratory and Research facilities.

MD5 -To develop the student community with social responsibility and moral values.

REGISTRATION DETAILS

Registration fee in the form of DEMAND DRAFT for Rs.1,000/- (Thousand rupees) is to be drawn in favor of "THE PRINCIPAL, Dr. N.G.P INSTITUTE OF TECHNOLOGY, COIMBATORE-48" payable at Coimbatore. The application in the attached format is to be sent to the coordinator on or before November 15th, 2017. The fee structure of the course includes course kit, lunch and refreshments.

IMPORTANT DATES

- Receipt of Application: 15.11.2017
- Intimation of Selection : 16.11.2017

ELIGIBILITY AND SELECTION

Faculty from AICTE approved Institutions & Deemed Universities are eligible to participate in the Programme. The total intake is restricted to 30 and selection will be based on first come first served basis.

For more details log on to www.drngpit.ac.in

Registration form along with DD to be sent to:

Mr. G. Krishnaraaju

Ms. S.Sukrithi

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