Course Outcomes

The objective of this course is to provide a platform for academicians and researchers to upgrade their knowledge and skills in the field of Geo-Environmental Engineering.

Who all can participate?

The FDP is open to all faculties and researchers those who are interested in keeping their knowledge updated regarding the recent innovations and updates in the field of Geo-Environmental Engineering. The selection will be based on first come first serve basis and E-certificates will be provided for all the registered participants upon successful completion of the program.

Platform

The program will be hosted through Google Meet platform. The meeting links and detailed schedule of the program will be shared with the participants through their registered email and through whatsapp group.

Important Dates

Last Date of Registration : *31.03.2022*
Intimation of Selection : *01.04.2022*

About the Programme

The main aim of this program is to bring an insight to the participants about the sources and effects of soil contamination. It also provides an opportunity for the participants to understand the innovations in soil remediation and the reclamation techniques.

Registration Details

Online Reg Link: *Scan QR Code or https://tinyurl.com/fdpcemits*

Registration Fee :

Academicians : *Rs. 200/-*

Researchers &PG Students: *Rs.150/-*

Account Details :

Name: Muthoot Institute of Technology and Science
Acc No: 12230200217387
Bank: The Federal Bank, Puthencruz
IFSC Code : FDRL0001223

More Information

Ms. Nishida A : *+91 9633122021*
Mr. Binol Varghese *: +91 9400278349*
Mail : *fdp_ce@mgits.ac.in*

Muthoot
Institute of Technology & Science

Five Day Online
Faculty Development Programme

on

ADVANCED SOIL RECLAMATION TECHNIQUES

04th to 08th April 2022

Organized by

Department of Civil Engineering
Muthoot Institute of Technology and Science
Varikoli, Ernakulam, Kerala - 682308
www.mgits.ac.in

In Association With

ETERNIA - Civil Engg Association
Research & Development Cell
Industry Institute Interaction Cell

Indian Green Building Council
MEMBER

About the College

Muthoot Institute of Technology and Science (MITS) is situated in the Industrial suburb of Kochi. The promoters with their commanding presence in Financial Services, Hospitality, Healthcare, Renewable Energy and Information Technology spaces are committed to building MITS as a Centre of Excellence, totally focused on meritocracy. This Temple of Learning will provide the students state-of-the-art infrastructure, top notch faculty and an environment where focus will be on harmonious development of the individual concurrent with imparting excellent engineering education.

Institute Vision

To be a centre of excellence for learning and research in engineering and technology, producing intellectually well-equipped and socially committed citizens possessing an ethical value system.

Institute Mission

- Offer well-balanced programme of instruction, practical exercise and opportunities in technology.
- Foster innovation and ideation of technological solutions on sustainable basis.
- Nurture a value system in students and engender in them a spirit of inquiry.

About the Department

Department of Civil Engineering has been in existence since the inception of MITS. Over the years, the department has grown tremendously by developing strong links with buildings, construction industries, academic and research units. The department, besides providing a platform for students to qualify as good Civil Engineers, in parts an exposure to beyond technical hour sessions, talks by experts and industrial visits. The students are privileged with fortuitous indulgence of the department to bring up their talents and co-curricular skills.

Department Vision

To be a centre of excellence in the field of Civil Engineering and serve the society through continuing education and research.

Department Mission

- To identify real-life problems in civil engineering domain and propose solutions through effective teaching-learning process.
- To refine the technical skills, knowledge and ethical values of the students for the sustainable development of the society.
- To facilitate collaborated research projects, offering opportunities for long term interaction with industries.
- To ignite the spark of entrepreneurship in students leading them to start their own ventures.

Muthoot
Institute of Technology & Science
Relentless passion for excellence...

Course Contents

- Sources, Effects and Remediation Techniques of Soil Contamination
- Role of Geotechnical Centrifuge in Research
- Surface Area & Porosity Determination of Granular Materials for Industrial Applications
- Advancements in Phytoremediation
- Soil Electro Kinetics: Potentials, Challenges and the Way Forward
- Geosynthetics for Land Reclamation
- Recent Advances in Stabilization of Contaminated Soil & Hazardous Industrial Waste
- Leachate Transportation & Effect on Soil Properties
- Permeable Reactive Barrier: A Technique for Geoenvironmental Remediation
- Application of Nanotechnology in Heavy Metal Adsorption

Resource Persons

- **Dr. S. Chandrakaran,** Professor, *NIT Calicut.*
- **Dr. Rajeev Kumar P,** Professor, *RSET, Kochi.*
- **Dr. V Sivanandan Achari,** Professor, *CUSAT.*
- **Dr. G. Madhu,** Professor, *CUSAT.*
- **Dr. Nikhil John K,** Postdoctoral Researcher, *IIT Madras.*
- **Dr. K Balan,** *Vice* Principal, *RIET, Trivandrum.*
- **Dr. Chinchu Cherian,** Postdoctoral Researcher & Teaching Fellow, *The University of British Columbia, Canada.*
- **Dr. Meril George,** Professor, *SCMS, Kochi.*
- **Dr. MaryLissy PN,** Professor, *MITS.*
- **Dr. Agnes Anto,** Assistant Professor, *JEC, Thrissur.*