

## Academic Year 2020 – 21

### Webinar on “Industry Orientation and Career Guidance”

The Department of Civil Engineering has conducted a webinar on “Industry Orientation and Career Guidance” on 05/06/2021 in google meet platform. The session was handled by Mr. Aravinth B, Project Manager, Armstech Engineers Pvt. Ltd. The session was attended by final year B Tech students of Civil Department.

The poster is for a webinar titled "INDUSTRY ORIENTATION AND CAREER GUIDANCE". It is part of the "Toc H WEBINAR SERIES". The session is presented by Aravinth B, Project Manager at Armstech Engineers Pvt Ltd. The webinar is organized by the Department of Civil Engineering at Toc H Institute of Science & Technology. The date and time are 5/6/21 at 11.30am. The webinar is held on an online platform. The poster includes logos for Toc H Institute of Science & Technology, TIST, NEA, SAAC, ISO, and Toc H Kochi. It also features a portrait of Aravinth B and a calendar icon.

### Faculty Development Programme on Emerging Trends in Structural Health Monitoring Procedures

An online Five-day Faculty Development Program was conducted on “Emerging Trends in Structural Health Monitoring Procedures” sponsored by Dr.APJ Abdul Kalam Technological University by the Department of Civil Engineering, from 19/04/2021 to 23/04/2021. FDP was inaugurated by guest Engr. B.C.S Rao, Former Executive Director, Bangalore Mass Rapid Transit Ltd. and gave an inaugural address on Introduction to Structural Health Monitoring. In the following sessions Er. G K Sahu from CRRI, Dr.Radhakrishna G Pillai and Dr. Deepak Kamde from IIT Madras, Dr.MadhuKarthik from IIT Palakkad, Dr. N Ganesan from NIT Calicut, Dr. Elson John from M.A. College of Engineering presented their ideas and various case studies on structural health monitoring. Dr.Radhakrishna G Pillai presented case studies by showing the effect of corrosion on the RCC structures and Dr. N Ganesan presented various case studies on various fiber reinforced structures. The FDP concluded on 23/04/2021 by the valuable suggestions by Dr. Anil Joseph, Director Geo-StructuralsPvt. Ltd. He presented various failures in RCC structures, the reasons for it and the retrofitting of the structures.

Radhakrishna G Pillai is presenting

### Lecture 1 Corrosion of embedded metal (Significance and fundamentals of corrosion)

Radhakrishna G. Pillai  
 Chair/Chair of Civil Engineering  
 Indian Institute of Technology Madras, Chennai India

NPTEL – MOOC Course on Maintenance and Repair of Concrete Structures

## **2<sup>nd</sup> International Conference on INNOVATIVE TRENDS IN ENGINEERING FOR SUSTAINABILITY (ICITES-2021)**

The Department of Civil Engineering, Toc H Institute of Science & Technology organized its Second International Conference on Innovative Trends in Engineering for Sustainability (ICITES-2021) in virtual mode with the theme ‘Sustainable Infrastructure Development’ jointly with Odessa State Academy of Civil Engineering and Architecture, Odessa, Ukraine from 9<sup>th</sup> to 11<sup>th</sup> January 2021. The themes of the conference were based on the United Nations Sustainable Development Goals (UN – SDGs) related to various aspects of life on Earth.

The first day of the conference started with an inauguration session and it was declared officially open by Prof. Ramu Damodaran, Chief, United Nations Academic Impact at the end of his keynote address. Dr. Alex Mathew, President, Dr. K Varghese, Founder Director and Manager, Prof. Dr. P. J. Joseph, Director of Toc H Public School Society, Prof. Oleg Popov of Odessa State Academy of Civil Engineering and Architecture and other representatives of both the institutions also addressed the participants on the theme ‘Sustainable Infrastructure Development’. This was followed by the technical sessions under the themes, ‘Affordable and Clean Energy’, ‘Good Health and Well Being’ and ‘Clean Water and Sanitation’.

The second day of the conference started with a keynote address by Dr. Joseph V Thanikal, Associate Dean and Director of RICS School of Construction, Amity University, Noida, India, followed by the technical sessions under the themes ‘Industry Innovation and Infrastructure’, ‘Sustainable Cities and Communities’ and ‘Climate Action’.

The final day of the session commenced with a keynote address by Dr. N Ganesan, Former Professor & Dean, Department of Civil Engineering, National Institute of Technology, Calicut India, followed by the technical sessions under the themes ‘Life on Land’ and ‘Life below Water’. The valedictory session on the third day marked the closure of ICITES 2021. The session was addressed by Prof. Anatolii Kovrov, Rector, Odessa State Academy of Civil Engineering and Architecture, Ukraine. All representatives of TIST, Odessa State Academy of Civil Engineering and Architecture, and all other invited guests, addressed the gathering. Winners of the best paper awards under each session were also announced during this session. The conference was finally concluded with the National Anthem of both nations India and Ukraine.





Prof. Lathya Karthi is presenting

### Departmental Achievements

- NBA accredited UG programme till 2023
- KTU approved Research Center with approved guides
- MoiU with Odessa State Academy of Engineering and Architecture, Ukraine
- Industry supported laboratory
- MoiU with Rebuild Kerala, Govt of Kerala for third party consultancy
- Technical Advisor for PMRY for Mulanthuruthy Block Panchayat (LSGD)
- Active association with WRE Department, Govt. of Kerala for Pollution Abatement of Rivers in Kerala
- Well placed alumni in various professional fields
- Centre of excellence in Green Building Materials
- Wends on training for students in live projects

Prof. Lathya Karthi is presenting

### ABOUT ODESSA STATE ACADEMY OF CIVIL ENGINEERING & ARCHITECTURE, UKRAINE



**PROF. OLEG POPOV**  
Department of Technology of Building Production,  
Odessa State Academy of Civil Engineering & Architecture,  
Ukraine

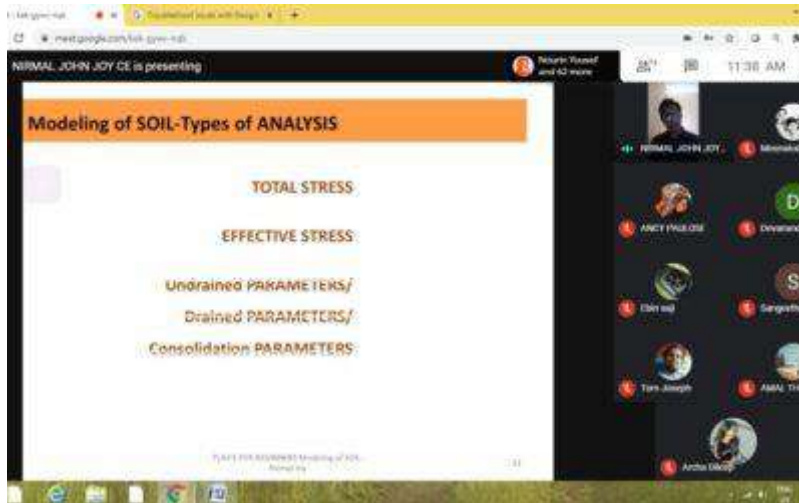
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### WEBINAR ON PLAXIS FOR BEGINNERS- MODELING OF SOIL

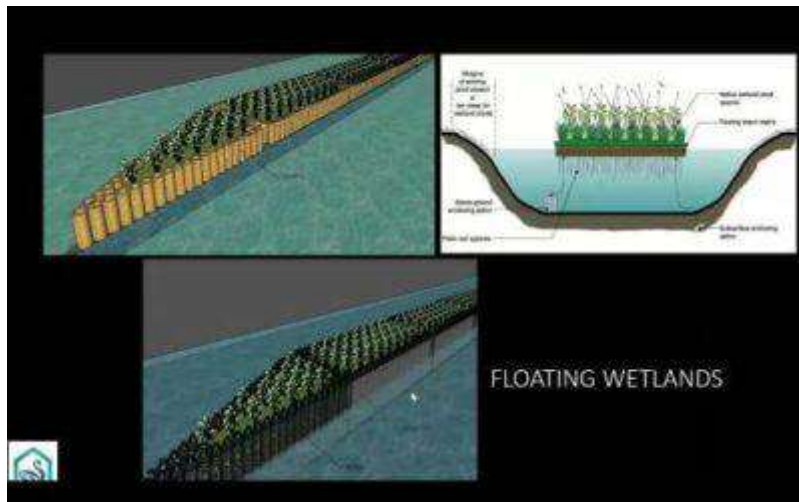
A webinar on “PLAXIS for Beginners- Modeling of Soil” was conducted by Department of Civil Engineering, TIST on 21/11/2020 from 11 am to 12 pm. The session was handled by Mr. Nirmal John Joy, Assistant Professor, Department of Civil Engineering, Saintgits College of Engineering, Kottayam. His expertise in the area helped the attendees in gaining knowledge regarding modeling of different types of soils, different models used and the areas where such models can be applied. The webinar was arranged for S5, S7 and PG students along with faculty members on google meet platform.





**Webinar on Sustainable and Resilient Eco Technologies**

Department of civil engineering in association with IGBC conducted a one-day webinar on “Sustainable and resilient eco-technologies” on September 16<sup>th</sup>, 2020. The speaker was Er. NanmaGirish, Translation Civil Engineer, Co-FounderNestabide (Flood Consultant, TEDx Speaker) in Thiruvananthapuram. The basic idea of this event was to enhance the knowledge about the resilient structure. The talk was attended by around 60 participants comprising of faculties, researchers, and students from various institutions.



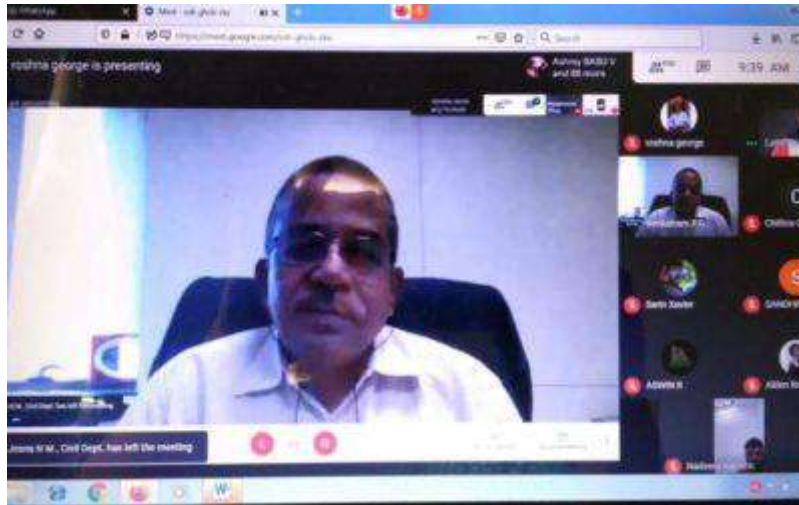


### **Webinar on “Gap between Academics & Industry Standards – A Reflection”**

On September 23<sup>rd</sup>, the Department of Civil Engineering, TIST organized a Webinar on the topic “Gap between academics & Industry Standards- A reflection” by distinguished guest Er. PG Venkatram, Chief Technology Officer, L&T Infrastructure Engineering Ltd., Chennai. B.Tech S3, S5 S7 students, M.Tech S3 students, and all faculty and staff attended the session. The talk was very informative with an active interaction session which enabled the students to clear their doubts related to the topic.







### **Webinar on Latest Trends in Construction**

Department of civil engineering in association with IEDC conducted a one day webinar on “Latest Trends In Construction” on September 24, 2020. The speaker was Dr. Anil Joseph, Managing Director, GeostructuralsPvt Ltd. Speaker covered the technical and architectural aspects of the upcoming structure including the case studies of the design involved. He also covered some of the trends in all construction aspects and the processing required to meet those challenges. The talk was attended by around 70 participants from faculties and students from the civil engineering department.







### International Webinar Series

Civil Engineering Department of Toc H Institute of Science and Technology organized an international webinar series titled “CURRENT SCENARIO AND EMERGING TRENDS IN CONSTRUCTION MANAGEMENT” from 27<sup>th</sup> July to 1<sup>st</sup> August 2020 in Google Meet Platform. The program consisted of 6 technical talks by eminent personalities in the field of Civil Engineering. Around 150 participants from various colleges in India attended the webinar.

#### PROGRAM SCHEDULE

Session	Speaker	Topic
Technical talk-1	Er. Vinish John CEO and lead engineer of ANVIN Building Design and Construction	Entrepreneurship after civil/ construction engineering management
Technical talk-2	Er. Shyju Nair Chief Executive Officer, DH Academy	Er. Shyju Nair Chief Executive Officer, DH Academy Importance of Concrete Technology in Construction Management
Technical talk-3	Er. Aravind Viswanathan Senior Project Consultant, Ernst & Young LLP, Delhi	Urban Project Management
Technical talk-4	Er. Reji Zachariah S&RConsultants, Ernakulam	6 Dimensional Approach to construction
Technical talk-5	Er. Jithin A Shaji Project Control Lead, Jacobs Engineering, UAE	Progressive Construction Management
Technical talk-6	Er. Veena Tarlana Sr. VDC Engineer, DRP Construction in Bay Area California, USA	Technical Advancement and Trends in Construction

