# Mangalore Institute of Technology and Engineering

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Badaga Mijar, Moodbidri-574225

## DEPARTMENT OF CIVIL ENGINEERING

| Department Activities Report for the Academic Year 2020-21[Odd Semester] | | | | |
|---|---|---|---|---|
| Sl. No. | Event | Date | Resource Person | Topic |
| 1 | Technical talk | 26.9.2020 | Dr. Ganesh Mogaveera (Professor & Head), Dept. of Civil Engineering, MITE | 2021 Gateways of opportunities |
| 2 | Inauguration of ACES | 09.10.2020 | Er. Vaibhava S Inamdar, Director, Business Development, Purna Design Engineering Pvt Ltd., BANGALORE | Inauguration of ACES activities 2020-21 |
| 3 | Technical talk | 03.12.2020 | Er. Nagesh PuttaswamyWT & RMDT (South) Ultra Tech cement Ltd., Bengaluru | Smart technology for smart constructions |

| Department Activities Report for the Academic Year 2020-21[Even Semester] | | | | |
|---|---|---|---|---|
| Sl. No. | Event | Date | Resource Person | Topic |
| 1 | Technical talk | 21.05.2021 | Er. Yogananda MV<br>Concrete Technologist,<br>BDM - Direct Sales, KA, JSW Cement Ltd | Alternative Materials for Sustainable and Durable Constructions |
| 2 | Technical talk | 16.06.2021 | Er. Rajendra Kalbhavi, Executive Director,<br>D. K. Nirmithi Kendra | Water Conservation & Preservation |
| 3 | Webinar | 22.06.2021 | Dr. Ganesh Mogaveera (Professor & Head), Dept. of Civil Engineering, MITE | Email Etiquette |
| 4 | Technical talk | 24.07.2021 | Dr. Anil Cherian<br>Technical Manager-JF Group<br>United Arab Emirates | Role of Sustainability and social media in the construction industry |
| 5 | Technical talk | 02.07.2021 | ALUMINI; Jithaksha(2016-2017 Batch)<br>And Sharath B.S(2019-20 Batch) | Entrepreneur Interaction with Final year Students |
| 6 | Faculty Development Program | 30.08.2021 | Dr. M M Achar Vinaxo Structures Consulting Services, Bangalore | "Bridges and flyovers are lifeline Structures for Economical growth of the country" |
| | | 30.08.2021 | Er. A C Shivakumar Design Academy Consulting Civil Engineers, Bangalore | "IRC Loading Standards for Highway Bridges and Design Standards" |
| | | 31.08.2021 | Er. Deeplav kumar Assistant Manager (Structures) Transys Consulting Pvt Ltd | "Software applications in design of bridges" |

| | | | | |
|---|---|---|---|---|
| | | 31.08.2021 | . Er. Annapporni Iyer Geotechnical Consultant Mumbai | "Flexible structures for bridge structure related applications" |
| | | 0.1.09.2021 | Mr. Aniket Sharma Dy. General Manager (Structures) Consulting Engineers | "Bridge design project overview & issues encountered during implementation wrt feasibility study" |
| | | 02.09.2021 | Er. Vaibhav Inamdar Director & Er. Suresh Rao Purna Design Engineers Pvt. Ltd | "Design and Construction Practices of Steel Bridges" |
| | | 02.09.2021 | Dr. M S Sudarshan Director - Stredent, Bangalore | "Investigation and Rehabilitation of Bridges" |
| | | 03.09.2021 | Mr. A C Shivakumar Design Academy Consulting Civil Engineers, Bangalore | "Innovative Design and Construction of Earth Retaining Wall for Bridge Construction Site" |
| | | 03.09.2021 | Dr. G R Dodagoudar Professor, Dept. of Civil Engg. Indian Institute of Science, Chennai | "Soil Structure Interaction and Analysis of Bridges" |
| | | 03.09.2021 | **Moderator:** Er.Nagesh Puttaswamy Zonal Head White topping & Rapid Monolithic Disaster Proof Technology for Housing (South India) Ultra Tech Cement Ltd., Bangalore **Panel Members:** Dr. G L Easwara Prasad, Dr. M M Achar, Dr.Aswath M U, Dr. Ramesh Manoli, Mr.Anikket Sharma, Er.Vaibhav Inamdar,Dr. G R Dodagoudar, Dr. M S Sudarshan, Er. AC Shiv kumar, Er.Suresh Rao, Er. Deeplav Kumar, Er.Annapporni Iyer **Chief guest:** Dr.G R Doddagoudar Prof, Dept of civil engineering IIT Madras | "Panel Discussion on Design and construction practices of bridges" |
| 7 | Webinar | 09.08.2021 to 17.08.2021 | Ms. Rakshita Ramesh Bhat, Graduate Student at University of Colorado, Boulder | Plastic Waste Management & Energy Conservation |

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**Event: Technical talk on "GATE ways of opportunity-GATE 2021"**

**Resource Person/Organization: Dr. Ganesh B Mogaveer, Head of the Department, Department of Civil Engineering, MITE**

**Date: 27th September 2020**

## Description about the event:

Highlights of GATE 21

i. Pre-final year students eligible to write GATE'21 (Both B.Tech and Dual Degree)

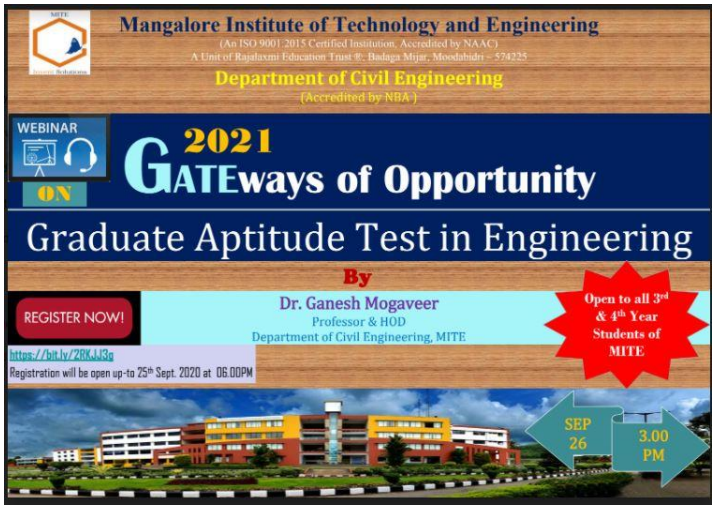
ii. GATE Score Validity of 3 Years (Valid till 2024)

iii. Students can attempt 2 GATE Papers in GATE'21

iv. Changes made in Exam Syllabus, Exam Pattern, Exam Scoring

v. Increased options in PSUs & Other Govt Exams

Dr. Ganesh B Mogaveer kept the students involved in the conversation by sharing his expertise and experience in this field




***Technical talk on "GATE ways of opportunity-GATE 2021" by Dr. Ganesh B Mogaveer, Head of the Department, Department of Civil Engineering, MITE***

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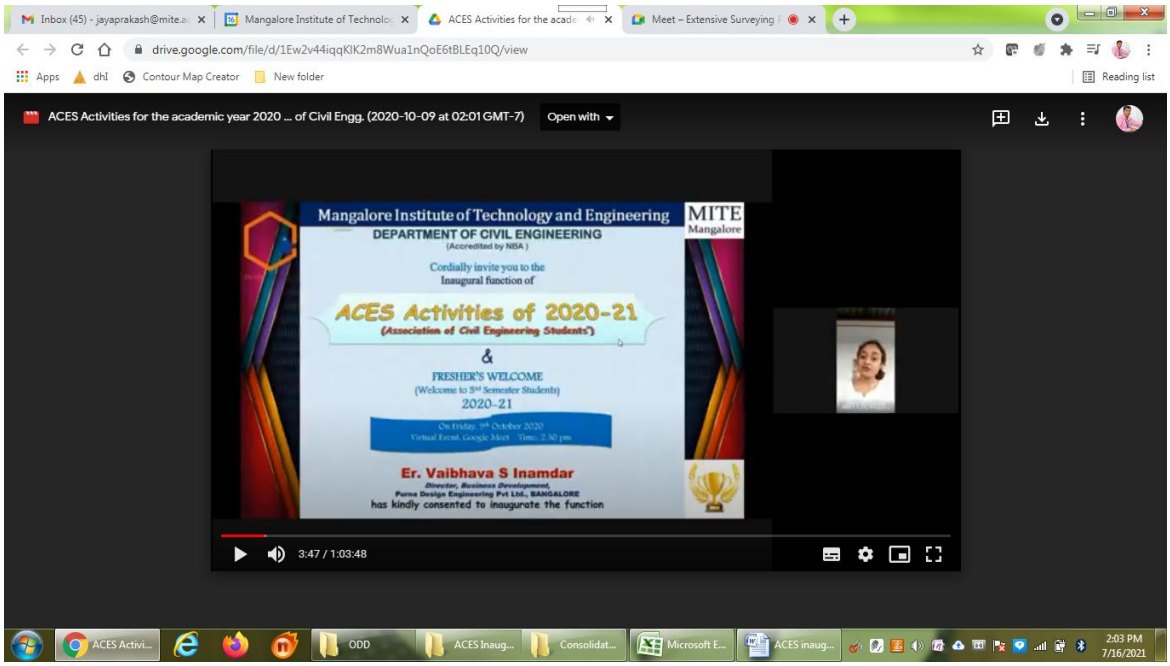
**Event: "Inauguration of ACES activities 2020-21"**

**Resource Person/Organization: Er. Vaibhava S Inamdar, Director, Business Development, Purna Design Engineering Pvt Ltd., BANGALORE**

**Date: 9th October 2020**

## Description about the event:

- Er. Vaibhava S Inamdar, Director, Business Development, Purna Design Engineering Pvt Ltd., BANGALORE has inaugurated the ACES activities of 2020-21 in the virtual mode. In his inaugural address, he has more focused on the Career opportunities of Civil Engineering students in the field of structural engineering field. Engineers should serve the nation with innovative technology which should reach the common people. During the virtual ACES activity inaugural program felicitated the 3 years class toppers based on their consolidated CGPA and also released the news bulletin of 2019-20 virtually.



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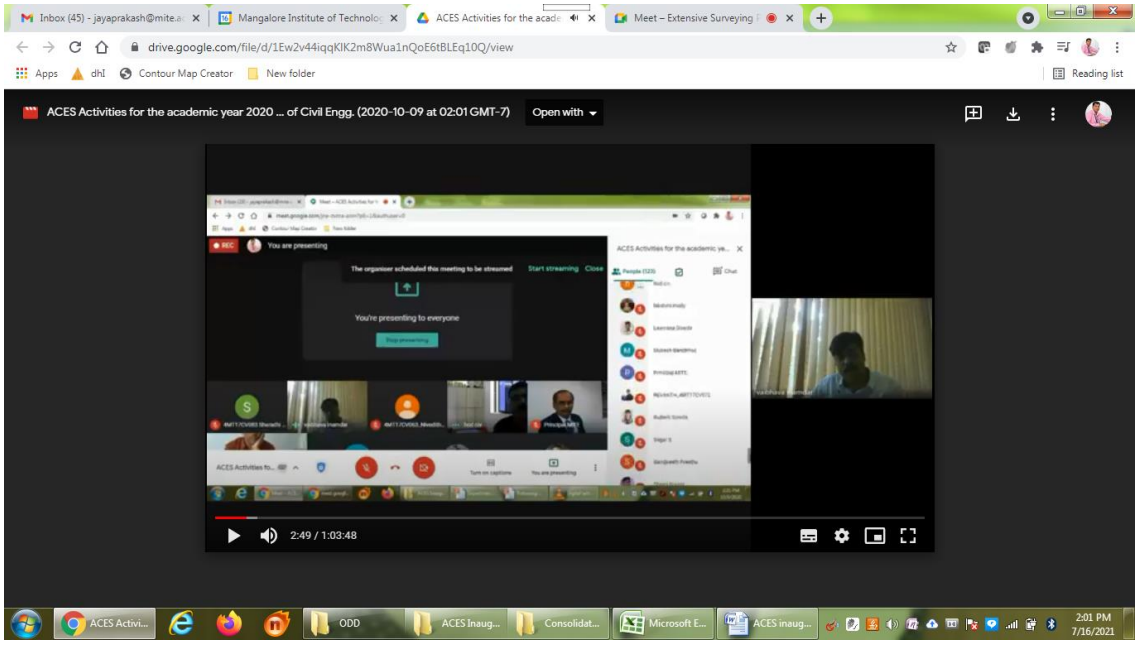


***Er. Vaibhava S Inamdar, Director, Business Development, Purna Design Engineering Pvt Ltd., BANGALORE, delivered a talk on 'Career Opportunities in Civil/Structural Engineering Discipline for Fresh Graduates' on the occasion of ACES Students Activity Inauguration 2020-21***

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**Event: Technical talk on "Smart Technology for Smart Construction"**

**Resource Person/Organization: Er. Nagesh Puttaswamy, Zonal Head WT & RMDT (South) UltraTech Cement Ltd., Bangalore**

**Date: 3rd December 2020**

## Description about the event:

The major Topic was covered by Er.Nagesh Puttaswamy during webinar "Smart Technology for Smart Construction" were listed below

- Demand rolling out in Construction Today!
- Autoclaved Aerated Concrete
- Mortar less Masonry
- Glass fibre in Concrete
- Fabric concrete
- Monolithic Concrete Construction
- Wireless maturity meter system
- Quality control Techniques that could be adopted at site WMMS


***Technical talk on "Smart Technology for Smart Construction" by Er. Nagesh Puttaswamy, Zonal Head WT & RMDT (South) UltraTech Cement Ltd., Bangalore***

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**Event: Technical talk on "Alternative Materials for Sustainable and Durable Constructions"**

**Resource Person/Organization: Er. Yogananda MV Concrete Technologist, BDM - Direct Sales, KA, JSW Cement Ltd**

**Date: 21st May 2021**

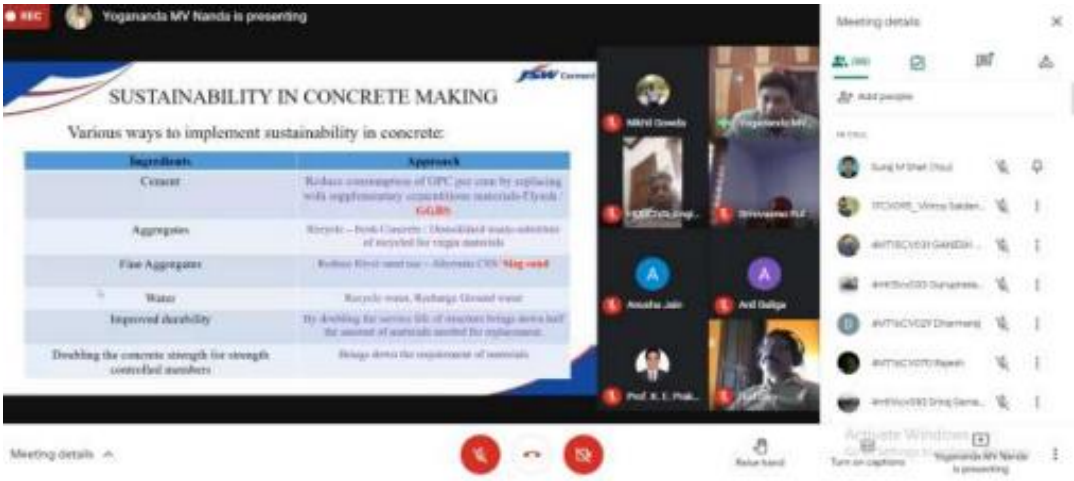
## Description about the event:

Videos related to following topics:

- Alternative Materials for Sustainable and Durable Constructions
- Embodied Energy and Carbon Foot Print of Ingredient of basic Concrete
- Slag sand -An Eco friendly Fine Aggregate
- Advantage and Dis advantage of GGBS

The major Topic was covered by Er. Yogananda MV during webinar "Alternative Materials for Sustainable and Durable Constructions" were listed below

- Fresh Concrete
- Supplementary cementitious material (Fly Ash, GGBS, Silica Fume)
- Embodied Energy and Carbon Foot Print of Ingredient of basic Concrete
- Embodied Energy and Carbon Foot Print of Ingredient of new Generation Concrete
- Paver Block
- Slag sand -An Eco friendly Fine Aggregate
- Mortar and Concrete Test



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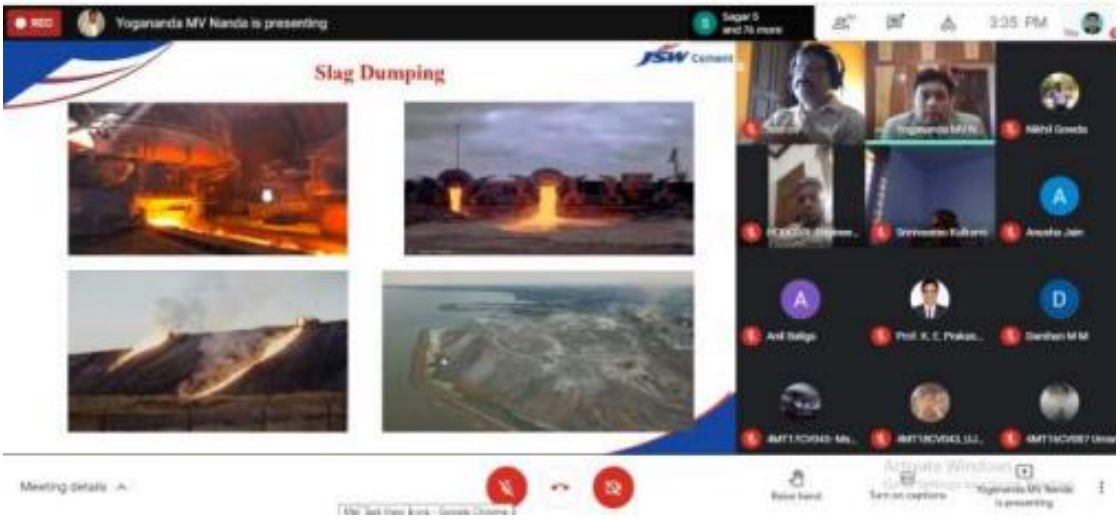


***Er. Yogananda MV Concrete Technologist, BDM - Direct Sales, KA, JSW Cement Ltd delivering talk on "Alternative Materials for Sustainable and Durable Constructions"***

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**Event: Webinar on "Water Conservation & Preservation"**

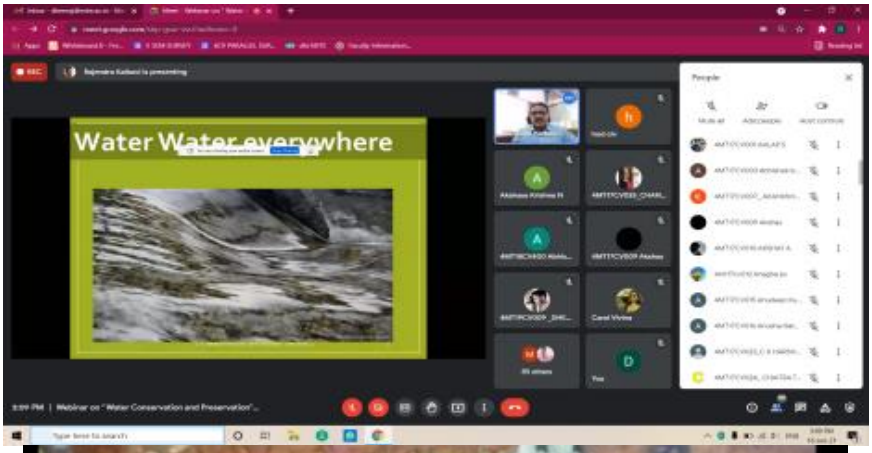
**Resource Person/Organization: Er. Rajendra Kalbhavi, Executive Director, DK Nirmithi Kendra**

**Date: 16th June 2021**

## Description about the event:

The major Topic was covered by Er. Rajendra Kalbhavi during the webinar were as follows

- Groundwater depletion in India and the need for water conservation
- Rain water harvesting system to achieve environmental and financial benefits.
- Installing a rooftop rainwater harvesting system
- Necessary components of the system and filtration mechanisms like sand gravel
- filter, charcoal filter
- Use of percolation pits to recharge the natural aquifers

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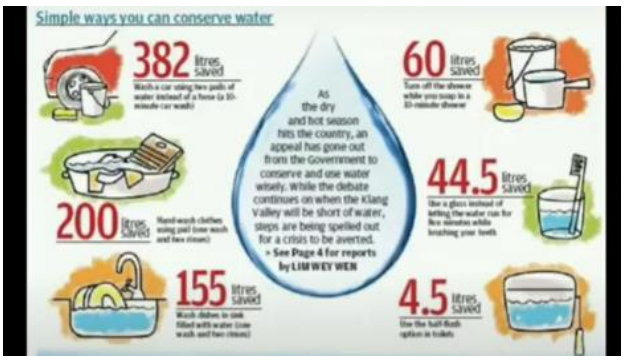




***Er. Rajendra Kalbhavi, Executive Director, DK Nirmithi Kendra delivering talk on "Water Conservation & Preservation"***

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**Event: Webinar on "Email Etiquette"**

**Resource Person/Organization: Dr. Ganesh Mogaveer, Professor & Head, Dept. of Civil Engineering, MITE**

**Date: 22nd June 2021**

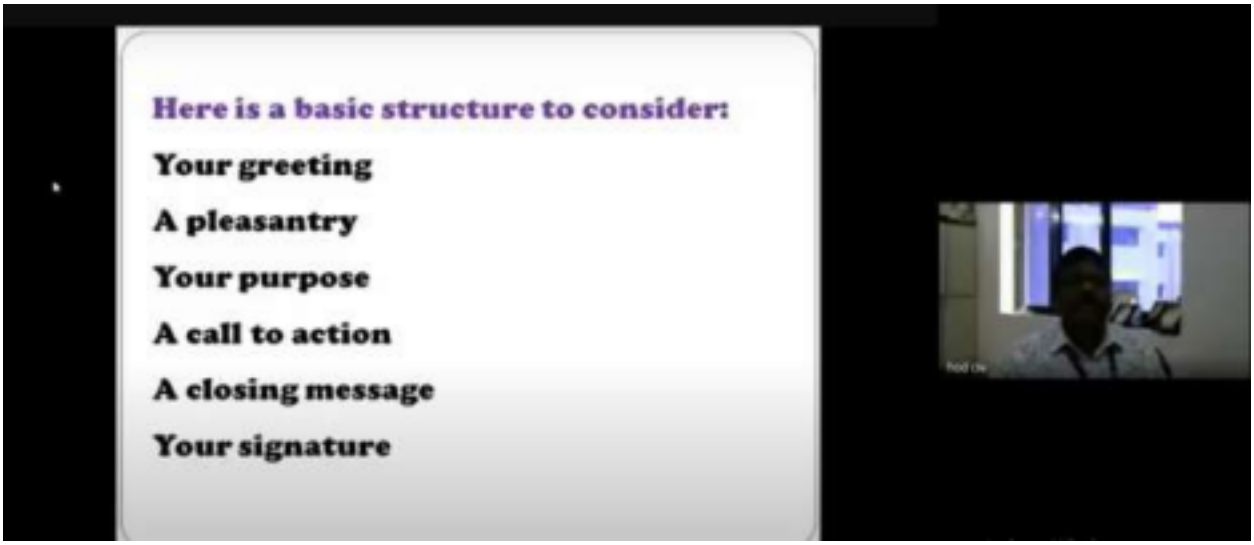
## Description about the event:

Videos related to following topics:

- Definition of BC,BCC,Signature
- Various application of Email
- Vcard Backup using Email
- Rules to Follow for Professional Communication

The major Topic was covered by Dr. Ganesh Mogaveer during webinar "EMAIL ETIQUETTE" is listed below:
Writing Effective Emails should contains following things

- Don't over communicate by email.
- Make good use of subject lines.
- Keep messages clear and brief.
- Be polite.
- Check your tone.
- Proofread
- Signature



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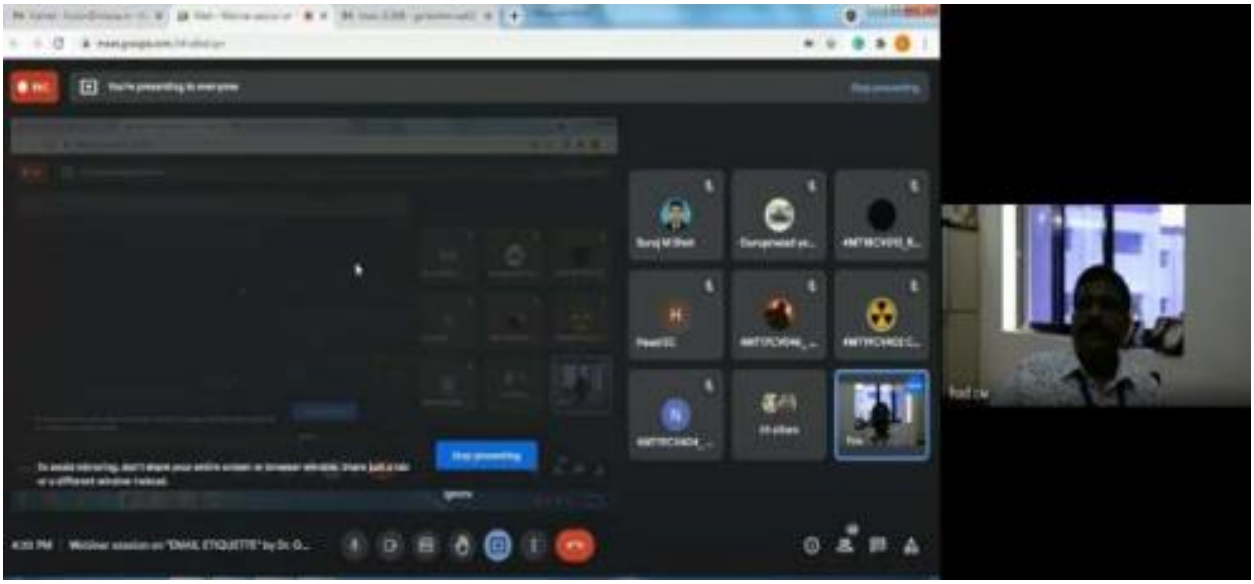

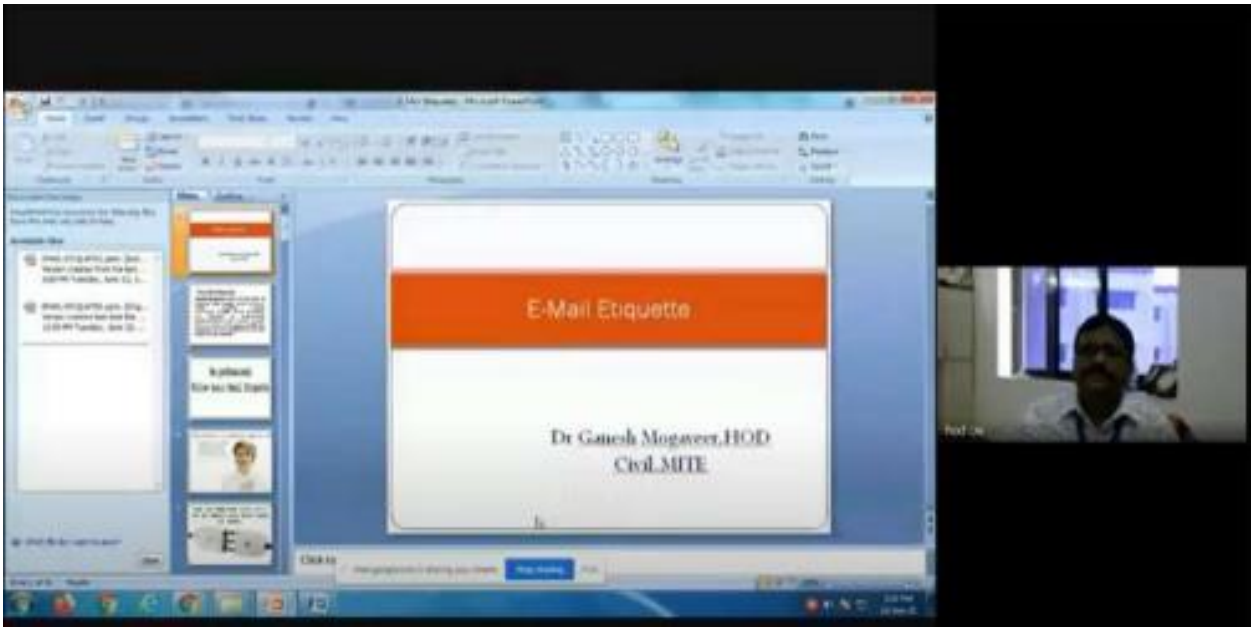


***Dr. Ganesh Mogaveer, Professor & Head, Dept. of Civil Engineering, MITE delivering Webinar on "Email Etiquette"***

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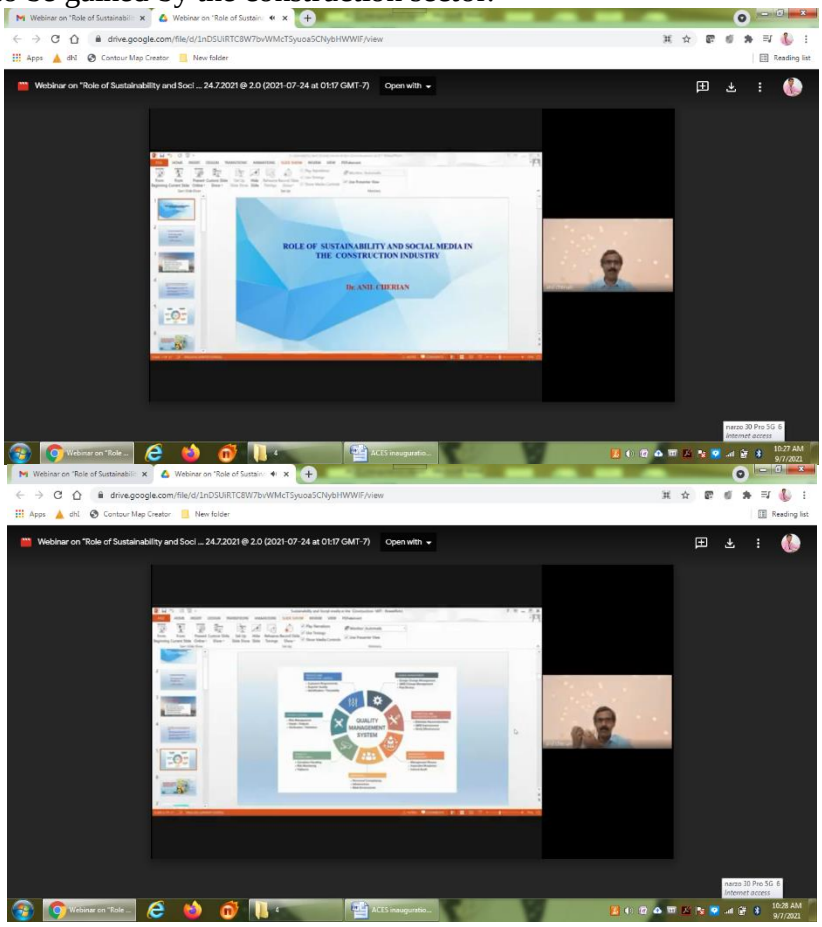
**Event: Technical talk on "Role of Sustainability and Social Media in the Construction Industry"**

**Resource Person/Organization: Dr. Anil Cherian, Technical Manager-JF Group United Arab Emirates (UAE)**

**Date: 24th July 2021**

## Description about the event:

- Social media will help with communication and collaboration in the construction sector and benefit sustainability initiatives for the development of the country there are significant benefits to be gained by the construction sector.




***Dr. Anil Cherian, Technical Manager-JF Group United Arab Emirates (UAE), delivered a talk on "Role of Sustainability and Social Media in the Construction Industry"***

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**Event: "Entrepreneur Interaction with Final year Students"**

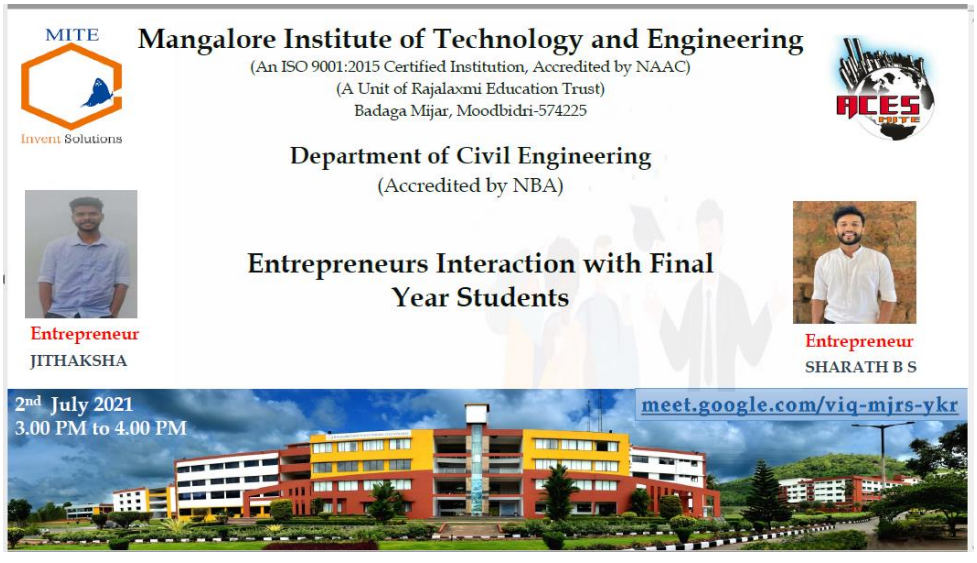
**Resource Person/Organization: Alumni: 1. Jithaksha(2016-2017 Batch)**
**2.Sharath B.S(2019-20 Batch)**

**Date: 2nd July 2021**

## Description about the event:

The major Topic was covered by our Invited Alumni's during webinar on "Entrepreneur Interaction with Final year Students" were listed below

- Career opportunities in the field of Civil Engineering domain and its allied domain.
- Core Subjects preparation for the interview process.
- How to crack the Public sector examinations and its Competition level.
- Entrance exams for Higher studies in and around the globe and also its preliminary preparations.
- Essential software's required for present situation.
- Expectation of Companies for hiring the job.
- Correlation of practical knowledge Vs Theoretical Knowledge in the Civil Engineering Domain.
- Initial challenges while opening new firm.
- Labor Management in site.




***"Entrepreneur Interaction with Final year Students"***

# Mangalore Institute of Technology and Engineering

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**Event: "Bridges and flyovers are lifeline Structures for Economical growth of the country"**

**Resource Person/Organization: Dr. M M Achar Vinaxo Structures Consulting Services, Bangalore.**

**Date: 30th August 2021, Morning Session (10.30 AM to 11.30AM)**

## Description about the event:

- Dr Mahadev Achar M gave brief information regarding Economic benefits of new bridge construction and explained it with the help of following examples: Suspension Bridge in Istanbul, Brooklyn Bridge , Danyang Kunshan Grand Bridge , Johor Causeway , Qingdao Haiwan Bridge. He also briefed about Infrastructure and gave general overview on Bridges and Capacity control; Types of bridges: ancient and modern; Structures and functions of Bridges; Case Study of Rajarajeswari nagar Flyover ; 3D Animation of RR Nagar Flyover ; 3D Animation of Athupalam flyover,Coimbatore.


***Dr Mahadev Achar M presenting Economic benefits of new bridge construction***

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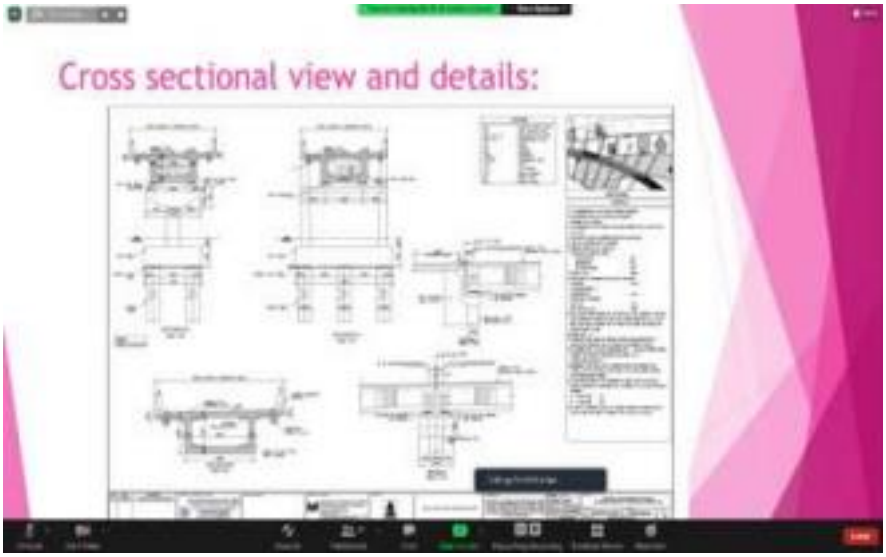


***Dr Mahadev Achar M explaining Cross sectional details of Rajarajeswari nagar Flyover***

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**Event: "IRC Loading Standards for Highway Bridges and Design Standards"**

**Resource Person/Organization: A.C.SHIVAKUMAR, Consultant for Bridges, Rigid Pavements and Deep excavations at Design Academy for Consulting Civil Engineers Bangalore**

**Date: 30th August 2021, Morning Session (11.30 AM to 1.00PM)**

## Description about the event:

- Er A.C. Shivakumar gave brief information regarding Design Requirements of Highway Bridges and General Components of bridges and provided General overview on Linear Water way, Freeboard, Vertical clearance, Carriage way. He also briefed about Different types of Foundation, Abutments and piers with examples; bridge appurtenance: bearings, expansion joints, anti-crash barrier / railings / other utilities, wearing coat; Loading standards for Highway Bridges as per IRC code; various Methods of estimating the Live load distribution among the various longitudinal girders.


***Er. A.C. Shivakumar presenting in IRC loading standards for Highway Bridges and Design Methods explaining Economic benefits of new bridge construction***

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***Er A.C. Shivakumar explaining Linear waterway concept***

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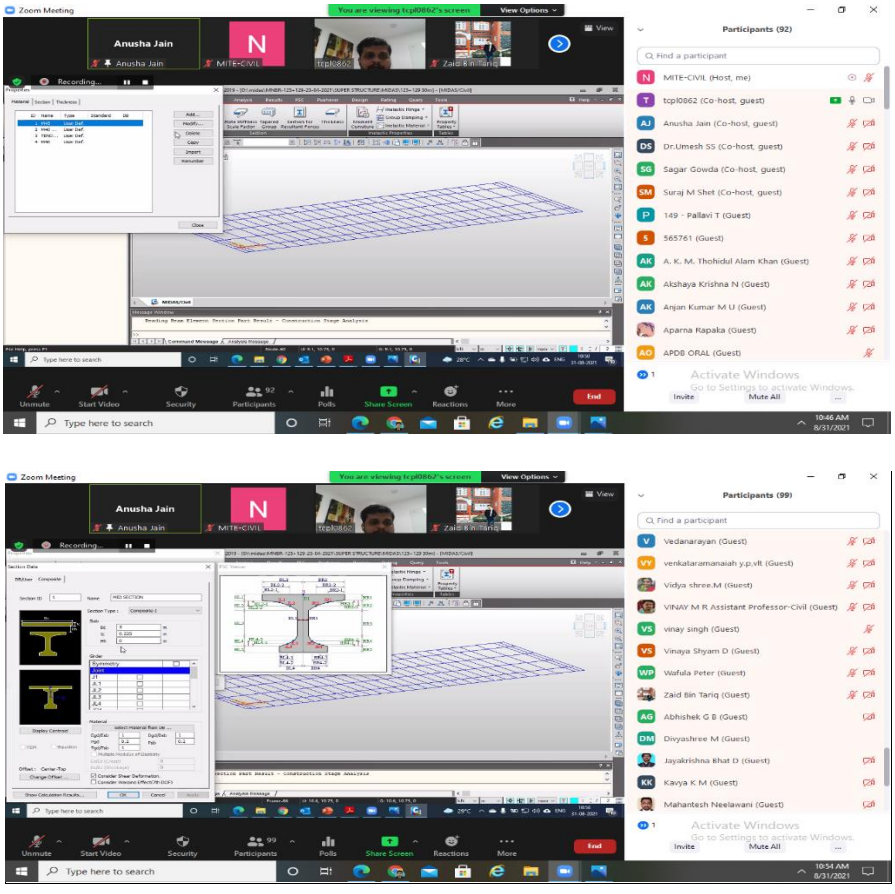
**Event: "Software applications in design of bridges"**

**Resource Person/Organization: Er. Deeplav kumar, Assistant Manager(Structures), Transys Consuting Pvt Ltd.**

**Date: 31st August 2021, Morning Session (10.30 AM to 11.30AM)**

## Description about the event:

Er. Deeplav kumar gave brief information regarding various software used in design of brides and elaborated of using MIDAS Civil over other software by explaining different tools and its demo in design of bridge components. He also briefed about various loading conditions to be inculcated while designing the components and analysing the same in the software. He also explained about various case studies on design of bridges and various parameters considered while analysing in the software.







***Er Deeplav kumar presenting usage of MIDAS Civil in design of bridges***

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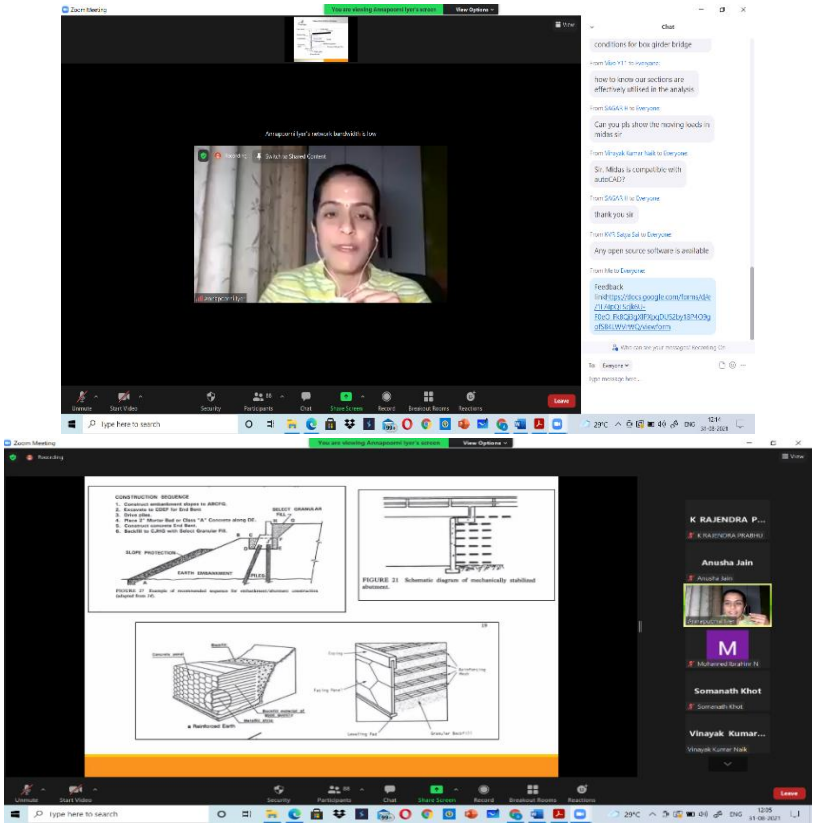
**Event: "Flexible structures for bridge structure related applications"**

**Resource Person/Organization: Er. Annapporni Iyer, Geotechnical consultant, Mumbai**

**Date: 31st August 2021, Morning Session (11.45 AM to 1.00PM)**

## Description about the event:

Er Annapporni Iyer gave brief information regarding Flexible structures for bridge structure related applications and provided General overview on Slope Stability issues and Drainage Aspects in Hill Roads, Mechanics of Slope failure, Design details of Gabion, Critical factors affecting the stability, Slope Reinforcement, Turf Reinforcement Mat and Techno-Commercial Benefits. She also briefed about various case studies which lead to slope failure and the possibilities of avoiding the same by implementing various alternative techniques.




***Er. Annapporni Iyer presenting design details of Gabion and explaining stability of slopes***

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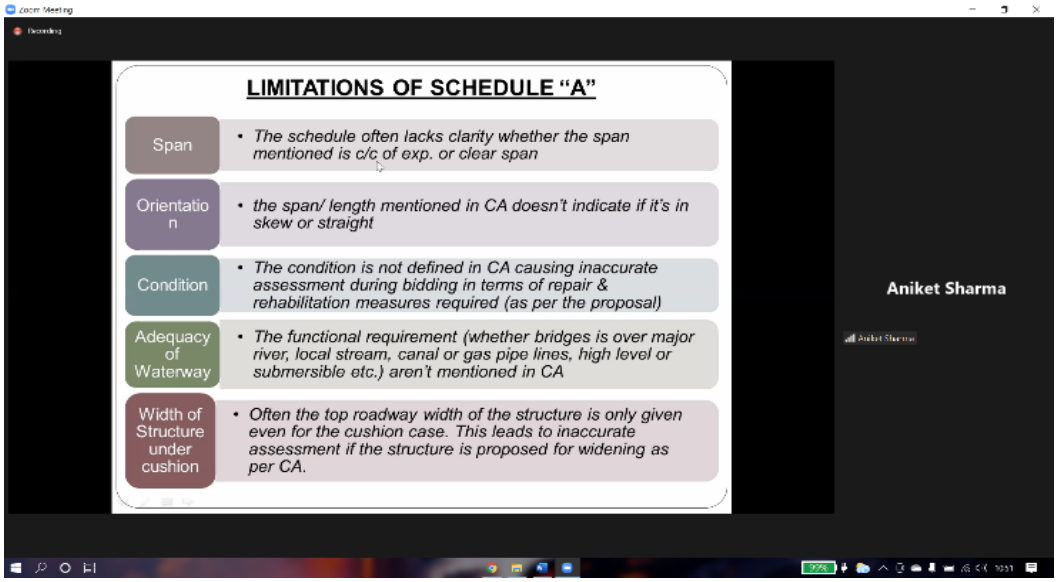
**Event: "Bridge design project overview & issues encountered during implementation wrt feasibility study"**

**Resource Person/Organization: Mr. Aniket Sharma, Dy. General Manager (Structures) Consulting Engineers Group.**

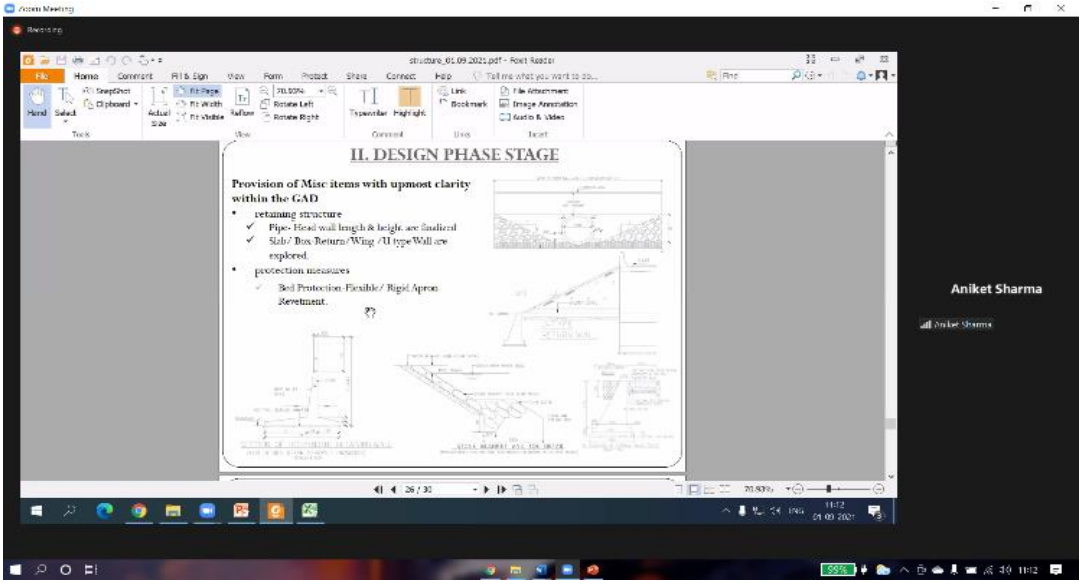
**Date: 1st September 2021, Morning Session (10.30 AM to 12.00PM)**

## Description about the event:

Mr. Aniket Sharma gave brief information regarding Standard work flow of a Bridge design project before submitting to client including basic phases which are Pre-design phase, Design phase. He also briefed about Commencement of works in Pre-design phase including study of CA, Technical schedules and validating structures at site wrt schedule A and B, Commencement of works in Design phase stage including verifying hydraulic adequacy, geo-technical or sub-soil investigations and verification of submission wrt site and Execution stage which is the last phase of standard work flow of project where various factors of proposed structure should be ensured and verified at site.




***Mr. Aniket Sharma explaining Limitations of Schedule 'A' in Pre-design stage***




***Mr. Aniket Sharma explaining Design phrase stage under standard work flow of project***

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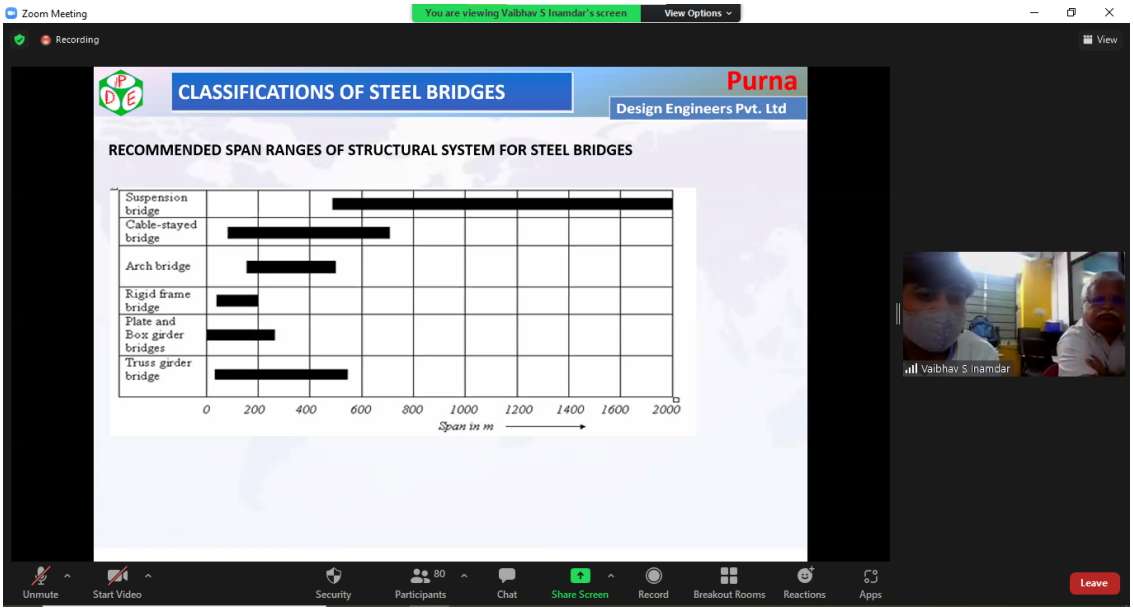
**Event: "Design and Construction Practices of Steel Bridges"**

**Resource Person/Organization: Er. Suresh Rao and Er. Vaibhav Inamdar, Director, Purna Design Engineers Pvt. Ltd.**

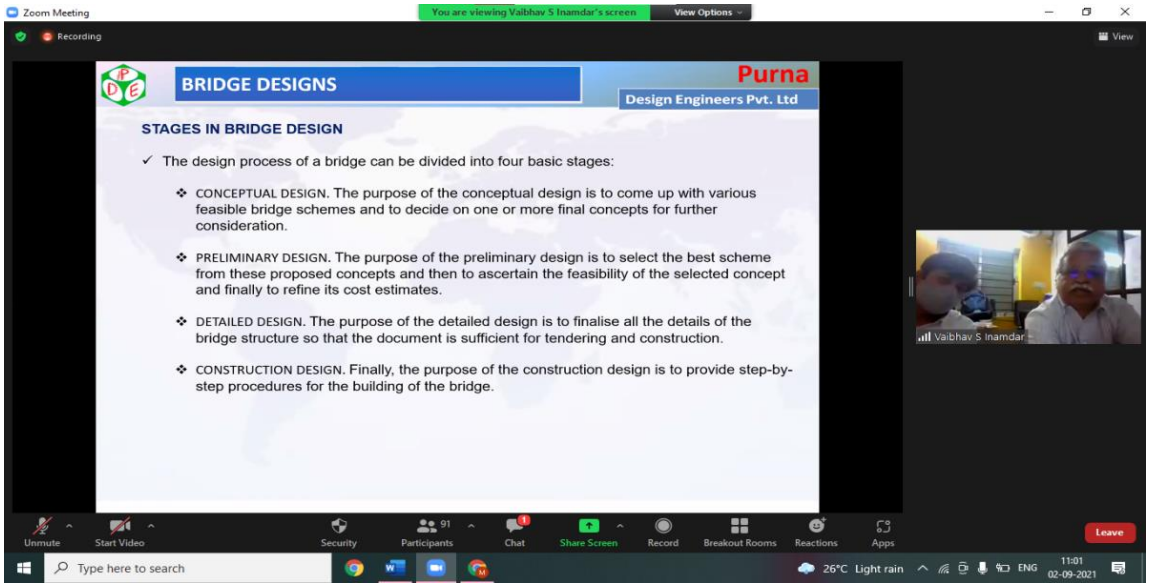
**Date: 2nd September 2021, Morning Session (10.30 AM to 11.30AM)**

## Description about the event:

Er. Suresh Rao and Er. Vaibhav Inamdar gave a brief introduction about the steel bridges, their uses, components, advantages and disadvantages. Designs of some of the world's best steel bridges, technical specification of the Indian railway's ingoing project, 'arch of the Chenab Bridge' were discussed. The topic focused on Classification of steel bridges, Recommended span ranges of structural system for steel bridges, Stages in bridge design and their Structural modelling and analysis, Structural design, Loading and its combination, Explanation about the Forces due to curvature, deformation effect, and settlements of support in case of rigid frames or continuous over support structure and Bridge construction and erection schemes.




***Er. Vaibhav Inamdar explaining about recommended span ranges of steel bridge***




***Er. Suresh Rao explaining about the steel bridge construction stages***

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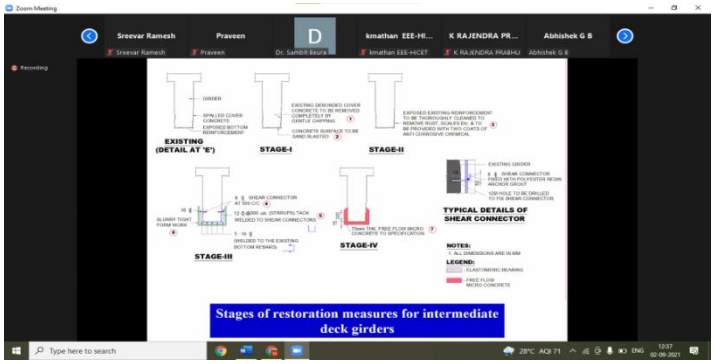
## Event: "Investigation and Rehabilitation of Bridges"

## Resource Person/Organization: Dr M S Sudarashan, Director, Stedrant Technoclinic Private Limited

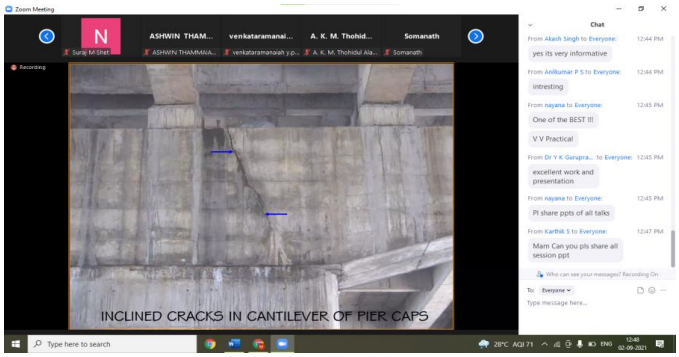
## Date: 2nd September 2021, Morning Session (11.45 AM to 01.00PM)

## Description about the event:

The speaker Dr. M S Sudarshan explained about the various symptoms related to the deterioration and destress in concrete with many real time examples across the country. He discussed about the factors influencing the repair and Rehabilitation of bridges. Various Non-destructive testing methods & equipment were explained. Investigative studies with detailed physical inspections, NDT tests, Crack measurements along with the right way of repairing them were discussed. The topics covered also included - Repointing of SS Masonry peirs and abutments followed by cement grouting Shortcreting of RC wells and well cap, RC encasement of end deck girders and Bridge construction and erection schemes.




***Dr M S Sudarshan explaining the stages of restoration measures for the intermediate deck girders***




***Dr M S Sudarshan explaining about the cracks formed in a case study***

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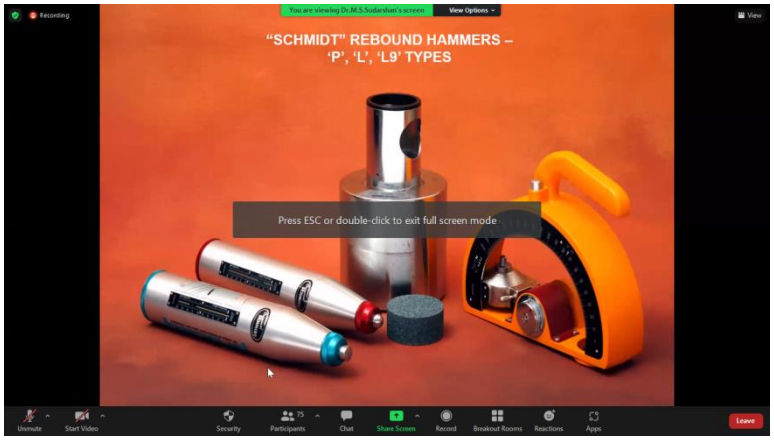


***Dr M S Sudarshan explaining about schimidt hammer***

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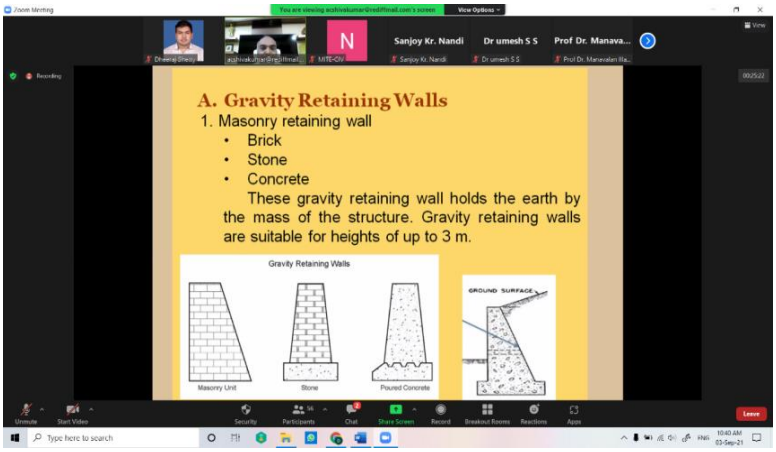
**Event: "Innovative Design and Construction of Earth Retaining Wall for Bridge Construction Site"**

**Resource Person/Organization: Mr. A C Shivakumar, Design Academy Consulting Civil Engineers, Bangalore.**

**Date: 3rd September 2021, Morning Session (10.30 AM to 11.30AM)**

## Description about the event:

Mr. A C Shivakumar was explained about Basics of retaining wall and its classifications, Failure modes of retaining walls and factors causing those failures and the effects of the failure, Use of Anchored walls and Bracings to retain lateral earth pressure Concept of Pressure Relief Shelf Retaining Wall to provide a safer structure at a reduced cost with time savings. Case study on Pressure Relief Shelf Retaining Wall with Pile foundation in Bengaluru and Case study on Retaining Wall with combined Raft foundation at Rampura bridge.



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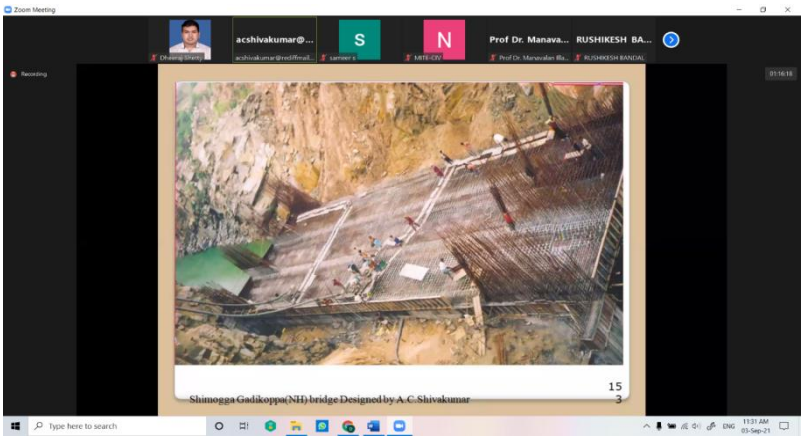


***Mr. A C Shivakumar explaining about "Innovative Design and Construction of Earth Retaining Wall for Bridge Construction Site"***

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**Event: "Soil Structure Interaction and Analysis of Bridges"**

**Resource Person/Organization: Mr. G R Dodagoudar, Professor, IIT Madras.**

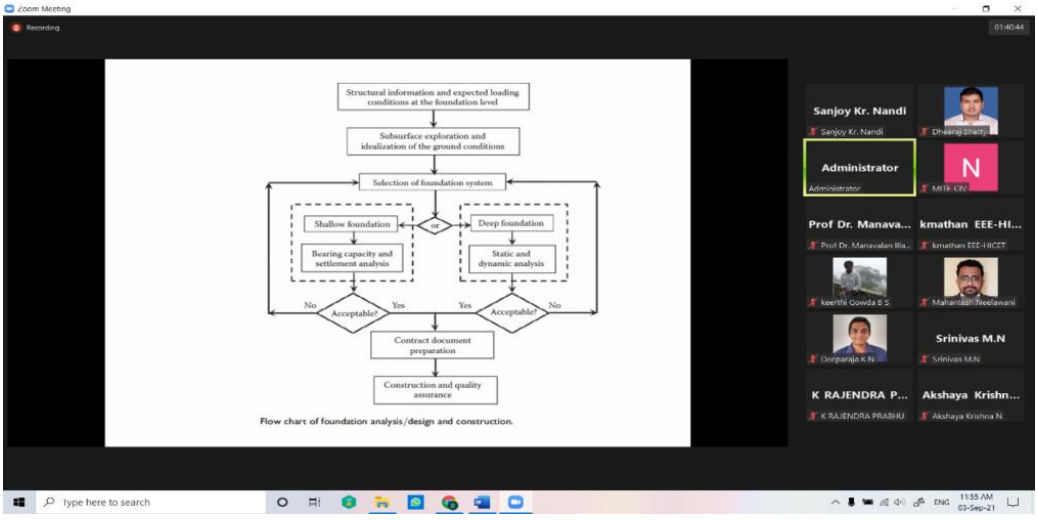
**Date: 3rd September 2021, Morning Session (11.45 AM to 1.30PM)**

## Description about the event:

Mr. G R Dodagoudar explained about Basics of Foundation Analysis & Forms of Loading, Seismic Soil- Pile Structure Analysis, and Introduction to Concept of Geotechnical-Earthquake Engineering (GEE), Soil-Structure Interaction (SSI), and Performance Based Design (PBD). Dynamic Response and Bridge Pier and Analysis Methods Application on the Mechanism to predict Responses, loss, & Damage and Design for Sustainability

Application in Engineering filed

- Seismic-SFSI Modelling
- Rocking Shallow Foundation
- Sensitivity, Deterministic & Fragility Analysis



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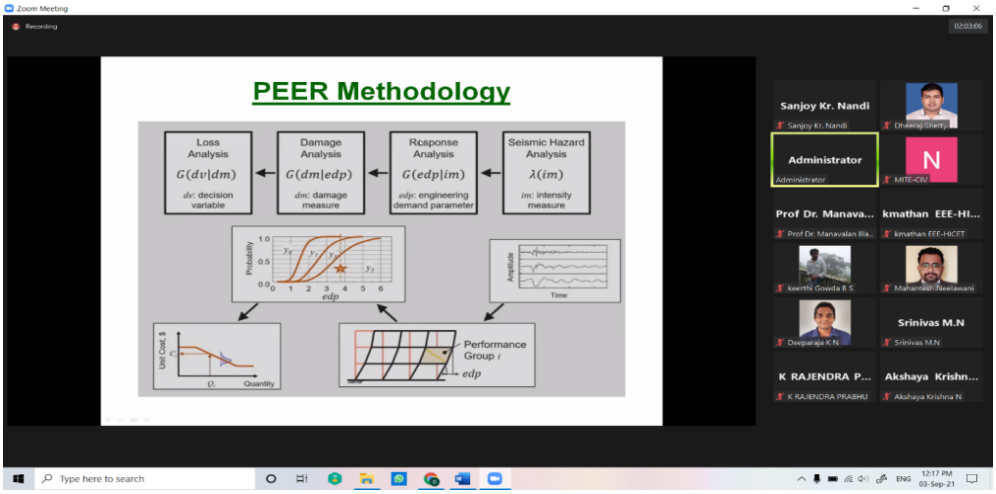


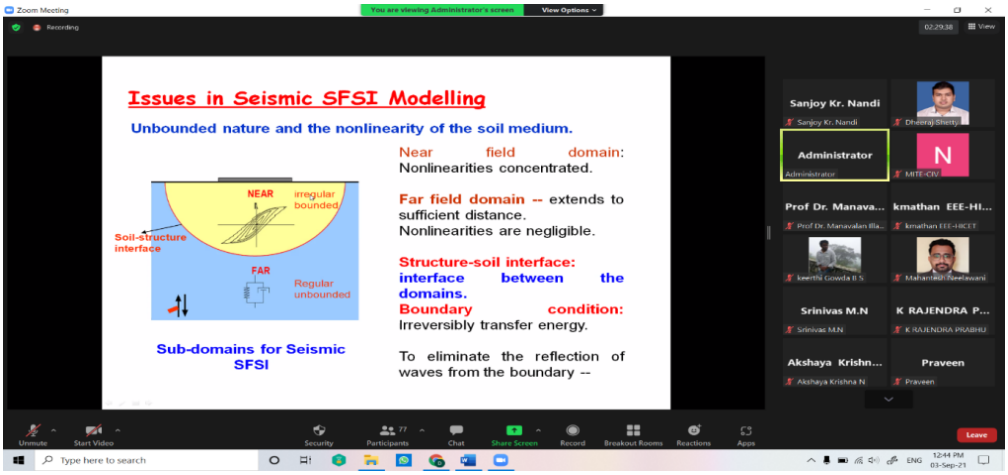


***Mr. G R Dodagoudar, Professor, IIT Madras explaining about Foundation Analysis and PEER Methodology for Damage Assessment***

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## Event: "Panel Discussion on Design and construction practices of bridges"

## Resource Person/Organization:

**Moderator:**
**Er.Nagesh Puttaswamy Zonal Head White topping & Rapid Monolithic Disaster Proof Technology for Housing (South India) Ultra Tech Cement Ltd., Bangalore**

## Panel Members:

**Dr. G L Easwara Prasad, Dr. M M Achar, Dr.Aswath M U, Dr. Ramesh Manoli, Mr.Anikket Sharma, Er.Vaibhav Inamdar,Dr. G R Dodagoudar, Dr. M S Sudarshan, Er. AC Shiv kumar, Er.Suresh Rao, Er. Deeplav Kumar, Er.Annapporni Iyer**

## Chief guest:

**Dr.G R Doddagoudar Prof, Dept of civil engineering IIT Madras**

## Date: 3rd September 2021, Afternoon Session (3:00PM to 5:00PM)

## Description about the event:

A Panel Discussion session was organized on Design and Construction practices of Bridges. Er.Nagesh Puttaswamy was the moderator for the session. Dr.Umesh SS briefed over 5 days online faculty development program. Following questions were discussed among panellist during the session.

- In developing and rehabilitation of bridge which are the key components of maintenance to be taken into consideration
- How to analyse a bridge in dynamic loading condition rather than static eccentric method
- Different methods of casting girders as per code guidelines.
- Which are the Design Requirements criteria for the components of bridges
- Challenges faced during placing of pre-cast girders and deck slab at different locations and site conditions.
- Discussion on Overview on loading standards for Highway Bridges as per IRC code guidelines.
- How to analyse Slope Stability issues and Drainage Aspects in Hill Roads.
- Challenges faced during investigation of distressed road bridge across river Arkavathi on state highway (SH 86) on Bangalore Mysore highway.

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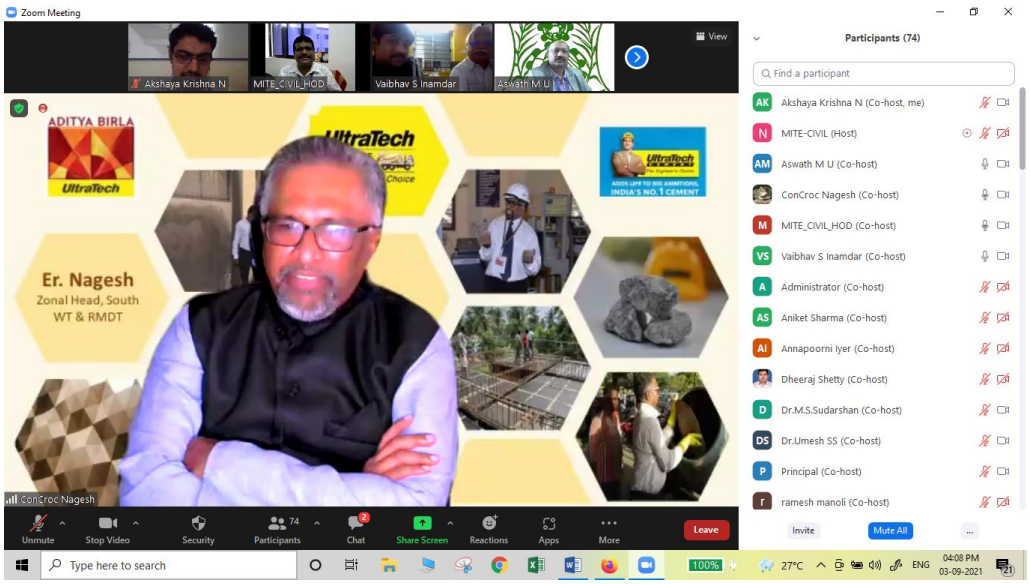
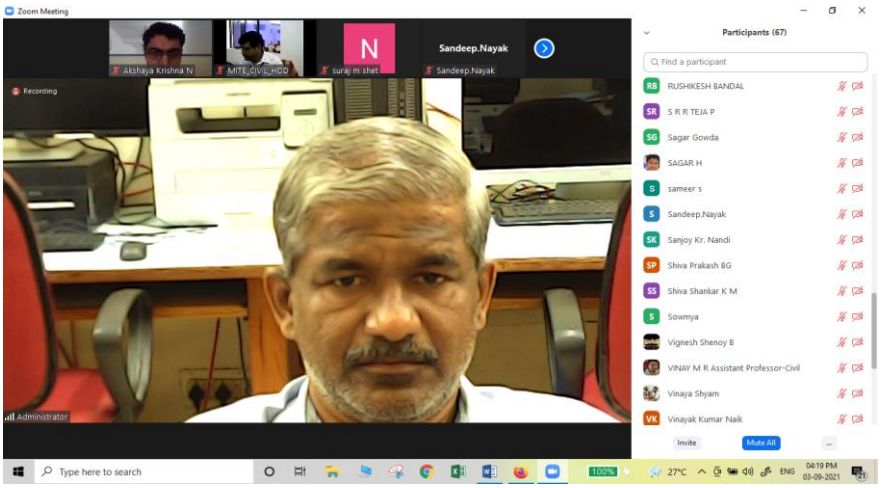


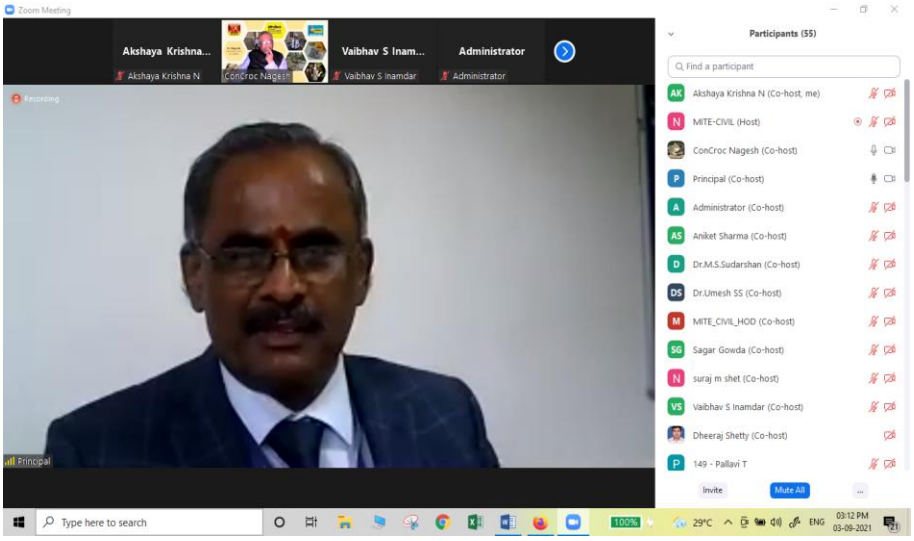

***Er.Nagesh Puttaswamy Zonal Head White topping & Rapid Monolithic Disaster Proof Technology for Housing (South India) UltraTech Cement Ltd., Bangalore as a moderator for Panel discussion***


***Panel Discussion Poster on "Design and Construction practices of Bridges***




***Dr. G R Doddagoudar Prof, Dept of civil engineering IIT Madras-Chief guest Valedictory session***

Followed by Panel discussion Valedictory session was conducted soon after the panel discussion. Dr. G R Doddagoudar Prof, Dept. of civil engineering IIT Madras was the Chief Guest for the same. Dr.Ganesh Mogaveer HOD of Civil Department MITE Moodabdiri welcome the gathering. Dr. G L Easwara Prasad Principal presided over the function gave away Presidential remarks. Mr.Sagar S Assistant Professor proposed Vote of thanks. Master of ceremony was hosted by Mr.Akshaya Krishna N Assistant Professor.




***Dr. G L Easwara Prasad giving Presidential remarks on program***

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## Energy Conservation and Plastic Waste Management

### Event: "AICTE Activities on Energy conservation and Plastic Waste Management"

**Resource Person/Organization:** **Ms. Rakshita Ramesh Bhat**

**Date:** **09.08.2021**

**Duration:** **Morning Session (10.00 AM to 11.30AM)**

**Target Audience:** **2nd and 3rd year Civil engineering students**

**Google meet Link:** **https://meet.google.com/bng-qrax-rih?hs=22**

**Feedback Link:**

**Brief about the event:**

- Classification of energy
- Importance of energy conservation
- Ways of minimizing the various source of energy
- Role of an engineer in in energy saving

**Keynotes from the address:**

Ms. Rakshita Ramesh Bhat Briefed about the energy conservation techniques and its importance in the current scenario. Efforts to reduce the consumption of energy, concept of Eco-sufficiency, Sustainable energy, Energy conservation measures (ECMs) in buildings, adoption of green engineering practices, prevention of resource depletion and efficient building design measures were discussed.

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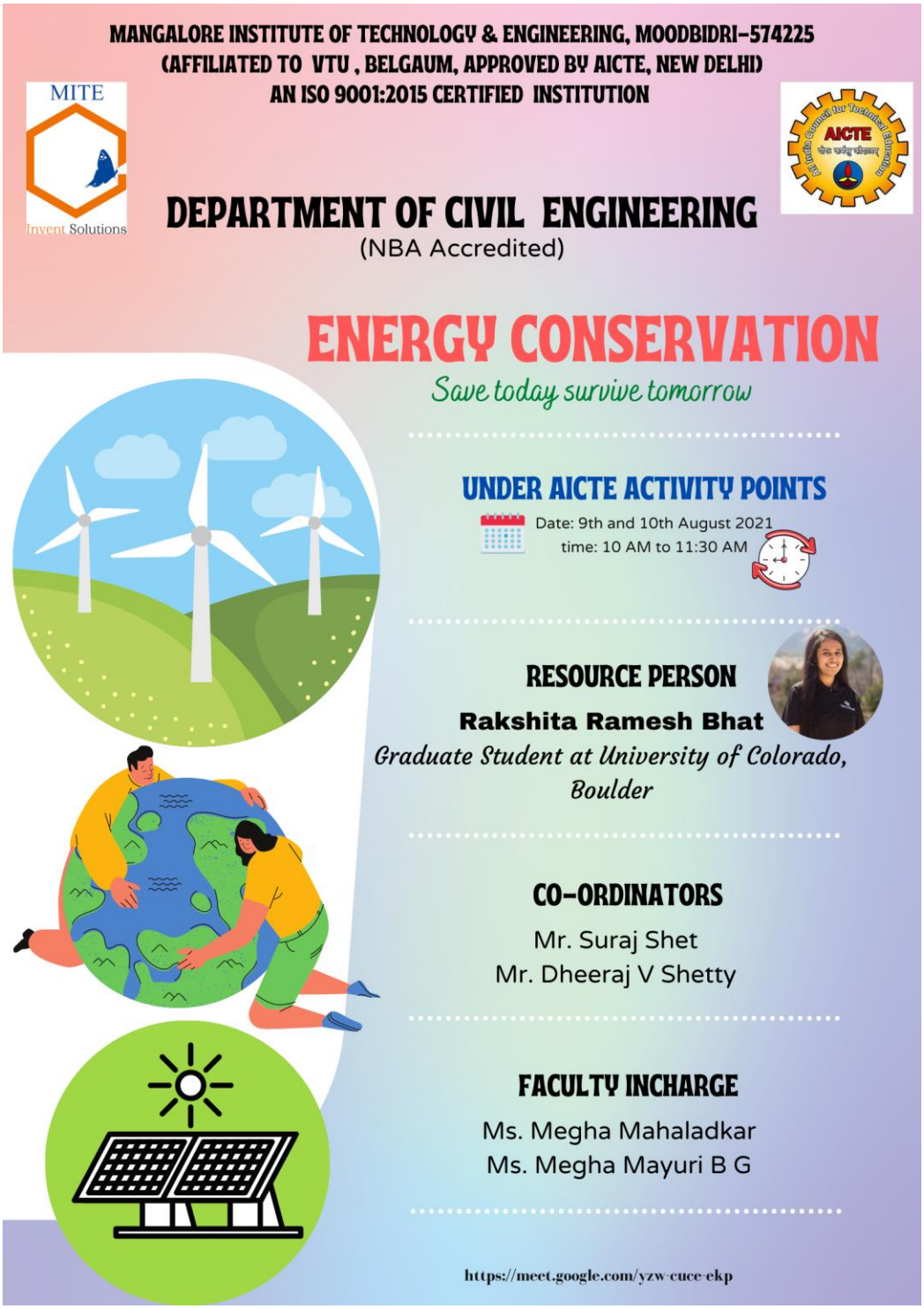

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DEPARTMENT OF CIVIL ENGINEERING

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presents a Webinar on

# ENERGY CONSERVATION

UNDER AICTE ACTIVITY POINTS

RESOURCE PERSON

**Rakshita Ramesh Bhat**

Graduate Student at University of Colorado, Boulder

9th August 2021
10:00 AM

**https://meet.google.com/yzw-cuce-ekp**