

## DEPARTMENT OF CIVIL ENGINEERING

04/07/2020

### **A report on online Faculty Development Program on Multi Disciplinary Approaches in Civil Engineering (MDACE)**

The Department of Civil Engineering, Nalla Narasimha Reddy Education Society's Group of Institutions organized a five day Online Faculty Development Program on Multi Disciplinary Approaches in Civil Engineering (MDACE) from 29/06/2020 to 03/07/2020 through zoom platform which covered different areas of Civil Engineering Discipline.

On 29/06/2020 at 10 AM, inaugural for the FDP has been done through zoom , Dr C V Krishna Reddy, Director – NNRESGI addressed the session from his chamber. He told that in this Covid-19 pandemic situation, technology is used to improve the knowledge. This FDP class certainly improves the skills of academicians and civil engineers to gain their knowledge. He congratulated the Civil Engineering Department for organizing the program and wished a grand success to the team.

**On day 1** - Prof P. Sri Lakshmi, JNTUH explained the topic “Basics of Bridge Engineering – Overview and Codal Provisions”. The speaker for the session started with a Presentation on the basics of Bridge Engineering. The speaker enhanced on components of various parts of the Bridges, Different types of supports for bridges were discussed with examples, Wind Load considerations for bridge constructions were discussed, Different types of bridges which are in construction are explained, Codal provisions for different designs were explained. Around 178 participants have joined today's session from various states of India. A few participants have raised queries and the same were clarified by the speaker. Dr G. Subba Rao, HoD- CE proposed vote of thanks and thanked the Speaker for sparing her valuable time.

**On Day 2** – Dr Gopal Naik, Professor, OU, Hyderabad has enlightened on the topic “ Remote Sensing & GIS Applications in Civil Engineering”. The Session started at 10 AM by the speaker which covered the basics of the remote sensing and their applications in day to day life. According to the speaker, Civil Engineering students must have a sound knowledge on the Remote Sensing and GIS applications as they are a part of the society which is much helpful to all the citizens, the speaker has shown few examples of simple applications of RS & GIS. Around 160 participants were present for this lecture, the speaker has answered the

queries raised by the participants. Mr S. Hemanth Sai has proposed the Vote of thanks for the session.

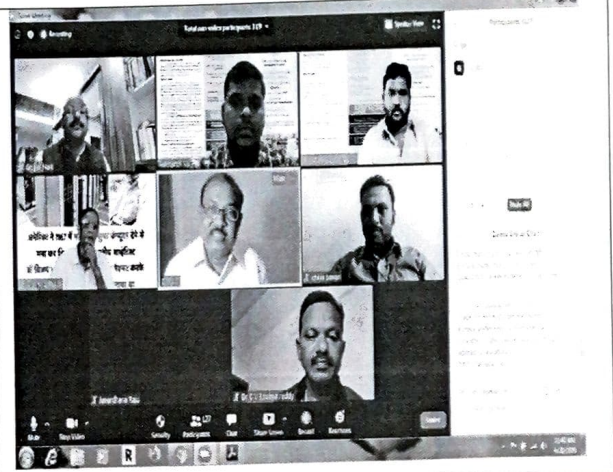
**On Day 3** – Dr S. Krishna Rao, HoD –CE, VBIT is the speaker and he has covered the topic related to advances in concrete entitled “High Volume flyash roller compacted concrete”. The speaker started his session after a brief introduction of the speaker by Mrs P. Kameswari, Asst Prof. The speaker has outlined the fundamentals of concrete and told the importance of the advancement of concrete and its usage in day to day life and how the constructions are getting advances compared to the nominal concrete. A case study on the topic was clearly explained by the speaker. At the end, queries were asked by the participants and the same were discussed by the speaker. Around 180 participants have attended the lecture. Mr K. Suresh Kumar, Asst Professor has proposed the vote of thanks and the session have ended.

**On Day 4** – Dr G. Subba Rao, HoD- CE, NNRG is the speaker for the Day 4 session on the topic “Rocks- Its importance from Civil Engineering point of view”. This is the topic related to Engineering Geology which is one of the important topics of civil engineering that are used in Bridge constructions, Tunnels, Mining etc... Rocks, which play a major role in attaining the strength of the concrete, are explained briefly. Different types of rocks are shown through presentation, their chemical composition, form, lustre and other properties of the rocks are shown. The importance and real time pictures of the rocks in construction are explained . Around 170 participants have attended the session. At last, queries were asked by the participants and the speaker answered them. Mr. S. Hemanth Sai, Asst Prof proposed the vote of thanks and the session ended.

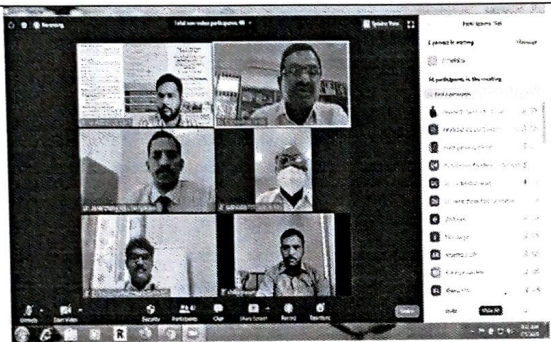
**On Day 5** - Mr G. Sri Harsha , Asst Professor, KL University, Vijaywada is the speaker on the day 5 of the FDP. He has covered the topic entitled “Analysis and Design of tall structures using Response Spectrum in E- Tabs”. E- Tabs is one of the analysis software’s that are used in Civil Engineering. Analysis a multi storey building and tall structures is different and the load combination varies for the analysis of tall structures. Different load combinations including wind load, earth quake load, etc.. are used and the reponse spectrum which is replated to the load combinations are explained in this lecture. Around 165 participants have attended the session and at last after the queries session, valedictory session has started where Dr C V Krishna Reddy, Director, NNRG has spoke a few words and congratulated the department for completeing the online FDP successfully. Dean Dr G. Janardhana Raju, has congratulated the entire Department for such program. HoD- Dr G. Subba Rao thanked the management for this wonderful opportunity to conduct the program in this pandemic situation and he has said that this program has helped a lot to all the civil engineers. The session ended with the vote of thanks to the speaker.



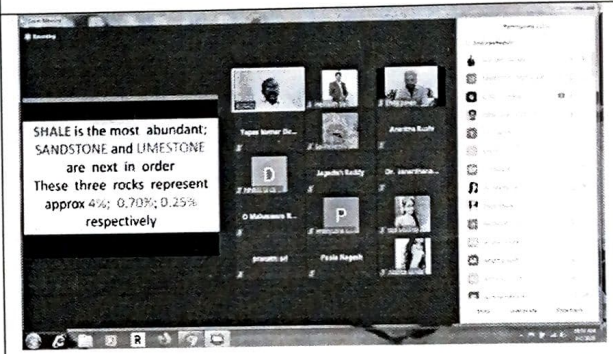
Day – 1 The Speaker Explaining about the types of Structures



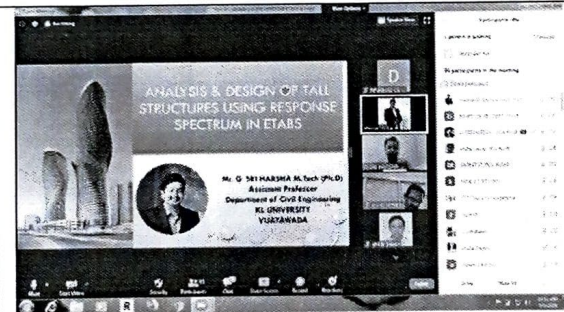
Day 2 – The speaker and the participants in the session



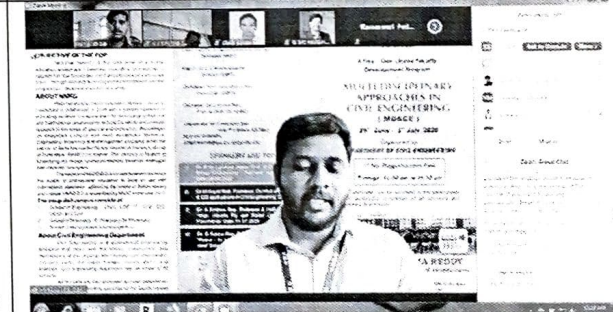
Day 3 – The speaker and the participants in the session



Day 4 – The speaker explaining about the rocks



Day 5 – The speaker giving introduction to the topic



Valedictory Session – Director, Dean, HoD and the participants

HOD- CE  
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