

National Workshop on Emerging Technologies in Civil Engineering (NWETC – 2019)

The Department of Civil Engineering started this semester in an intriguing way by conducting a National Workshop on Emerging Technologies in Civil Engineering on the occasion of Indian Concrete Institute (ICI) Student chapter – VFSTR opening dated on 19th Dec 2019. The Chief Patron is Dr. Lavu Rathaiah. Key Resource speakers are Dr. P Polu Raju ICI Chairman Andhra Pradesh Zone, Dr.Hemambara Reddy Dep Executive Engineer, CRDA and Dr. G Hari Krishna Professor in Dept. of Civil Engineering V.R Siddhartha Engineering College.

The Programme started with an auspicious note and with a traditional prayer song by students.

Dr. N. Ruben (Assoc. Prof and Head of Civil Engineering Department, VFSTR) chairman of workshop gave opening remarks by welcoming the Resource Persons and all the participants of workshop. Total 210 were participated in the workshop from different engineering colleges.

The chief patron Dr. Lavu Rathaiah gave a surprise visit and given important remarks on this occasion that Civil Engineer is the first engineer and should be ready for everything. Student should approach the engineering in a practical way and to cope up with emerging technologies every civil engineer should learn programming and problem solving skills with continuous evaluation of surroundings and educating themselves with new engineering techniques. He concluded the remarks to participants, saying that to actively participate in ICI chapter and certificates of ICI Student membership given to participants who were applied for ICI student membership.

Dr. P Polu Raju given his lecture on Performance based structural Design which is trending technology in modern construction usage. He explained difference between limit state method and performance based design. Chief Guest of workshop Dr.Hemambara Reddy explained the modern construction technology that is used in development of Capital Amravati and he also explained the construction techniques and equipment that have been used in construction of five towers in Amravati.

Dr. G Hari Krishna given his important lecture on utilization of Artificial Intelligence in Transportation Engineering and in what aspects of Civil Engineering the artificial intelligence is being used. He also explained about difference between Artificial Intelligence, Machine Learning and Deep Learning. How important that Machine learning is, in predicting the behaviour of compressive strength of concrete and mix design proportions of concrete.

The Workshop is concluded with valedictory to Resource persons and distribution of participation certificates to students coming from different colleges.