MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

Report on
Guest Lecture
on
Steel Concrete Composite High Rise Building Construction
Organized by Department of Civil Engineering
15 September 2017

Submitted by: Mr. Sanjay Kumar A C, Teaching Assistant, Dept. of Civil Engineering, MITS

Resource Person: Sri Er K Sarvanan, Vice President, Eversendai Consutrucitons, Chennai

Participants: III and IV Year B.Tech. Civil Engineering Students, Head of the Department & the faculty members of Civil Engineering

The Department of Civil Engineering, MITS, Madanapalle conducted a Guest Lecture on Steel concrete composite high rise building construction on 15th September

Programme Inauguration:

The session started at 10.30 AM. Amranatha Reddy, Asst.Professor welcomed Dr.P.Perumal, Senior Professor and HOD of the Civil Engineering, Dr.T.Meenambal and Er.K.Sarvanan to the dias. He welcomed all the members of faculty and students to the programme.

Invocation song: Shravani and Adilakshmi - Students of 3rd year B.Tech Civil Engineering sung an invocation song followed by lighting of lamps.

Dr.P.Perumal, presented a brief introduction about the resource person to the attendees and advised the students to make use of the guest lecturer.

Er. K Sarvanan, Vice President of Eversendai Construction delivered the lecturer. He started his presentation with the ancient structures. The technology which was used in ancient construction can be seen in temples, masjids like Hampi, Gol Gumbaz etc which still have good stability. He briefly related the present day shell theory to the olden day structures.

Next, he explained the present trend of constructing techniques, the theory of finite element analysis and theory of plate and shells for the construction of domes. Also, explained the concept related to the stability of structures which are to be considered while designing, the main parameters which affect the stability of structures, forces etc.

He delivered his presentation on the future structures which may be composite structures. ‘The steel concrete composite structures are the present and future trend in the construction which gives high strength for the structures.’ He explained the greater impact of wind load on the tall structures. He said, “The steel concrete composite is well suited for the high rise construction which gives greater stability and strength to the structure and also durability to the structure.” He explained the uses of steel concrete composites, the application of steel concrete composites.