

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UGC - AUTONOMOUS)

Report on One Day Guest Lecture on Design of Tall Structures 7 April 2018



Submitted by: Dr. Dipankar Roy, Associate Professor, Dept. of Civil Engineering

A Guest Lecture on “Design of Tall Structures” was organized by the Department of Civil Engineering for M. Tech and B. Tech students in the forenoon session on 7 April 2018.

The resource person- Dr. K Muthumani, Retd. Chief Scientist, SERC, CSIR, and currently working as Professor, VIT University addressed the students.

The Program started at 11:00 am with greetings and inviting the dignitaries namely, **Dr. P Perumal**, Sr. Professor & Head, Dept. of Civil Engineering, MITS, and **Dr. K Muthumani** on to the dais by Dr. Dipankar Roy, Associate Professor, Dept. of Civil Engineering.

Speaking on the occasion, Dr. P Perumal, Professor & Head/Civil, conveyed a strong message that the students must utilize the opportunities provided by the management and the faculty in bringing eminent personalities for lectures and talks, which will help them to make their basics strong and gain more knowledge on subjects.

The introduction of guest to all students and faculty members was done by Mr. Hitesh, M. Tech. student of Civil Engineering Department by reading his bio-data and recalling his various achievements and roles he has executed in his career.

The session was then handed over to the resource person, **Dr. K Muthumani**. The lecture session was divided into 3 phases. In the first session, between 11:30 am and 12:30 pm, he addressed all the students and delivered his lecture on Tall Structures. After the tea break of 5 minutes, the second session of the lecture continued for another hour until the lunch break at 1.30 pm. Post lunch, the students gathered in the hall for the third session and it went on for 1:45hr (2:00pm to 3:45pm).

Dr. Muthumani drew students’ attention towards his lecture by explaining basic concepts in the design of tall structures. He gave examples of some of the existing tallest structures and how their designs varied from the existing theory that we study in the books. Tallest marvels of their own times like Eiffel Tower grabbed the attention of the students. He gave excellent insight to the design practices that were followed in tallest structures like Burj Dubai. Unconventional ways to lay the foundation of recent tall buildings were also shown and explained by him. They were quite interesting.

He also clarified the queries of enthusiastic young minds with a great zeal during the interaction time.

The resource person was honored by a token of respectable appreciation by Dr. P Perumal and all faculty members of the department.

All the faculty of Civil Department were present for the program in helping the students to accommodate themselves during the lecture sessions.

The program was concluded by a vote of thanks from Dr. Brijesh Kumar, Sr. Assistant Professor.

The main objective of the lecture:

The cardinal aim of this guest lecture was to initiate the instinct and to impart all the civil engineering students a point of view, an attitude of mind, and a capacity to deal with the basic principles and design of tall structures. For, without training and experience in this area of thought, any engineer may not prove competent to deal with the emerging problems of analysis and design of tall structures.