

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

Report on
One Day Guest Lecture on Shell Structures
on
28 March 2018
Organised by Department of Civil Engineering



Submitted by: Dr. S. Bali Reddy and Mr. G. Balamurugan, Dept. of Civil Engineering

A Guest Lecture on “Shell Structures” was organized by the Department of Civil Engineering for M. Tech and B. Tech students in the forenoon session on 28 March 2018. **Dr. R. Vaidyanathan, Retired Principal - Government College of Engineering, Tirunelveli, Tamil Nadu** was the resource person.

Objective:

The cardinal aim of this guest lecture was to groom all the Civil Engineering Students with a point of view, an attitude of mind, and a capacity to deal with the basic principles and methods of analysis of Shell structures. Training and experience in this domain is essential for any civil engineer to prove competence in dealing with the emerging problems of analysis and design of ‘Shell Structures’.

The programme started at 11:30 am. Dr. Dipankar Roy- Associate Professor, Dept. of Civil Engineering, greeted and invited the dignitaries: **Dr. P Perumal** - Senior Professor & Head, Dept. of Civil Engineering, MITS, **Dr. Ram Gupta**- Visiting Professor and Dr. R. Vaidyanathan - Retired Principal, Government College of Engineering, Tirunelveli on to the dais. Next, he introduced the guests to all students and faculty members.

Dr. P. Perumal conveyed a strong message that the students have to utilise 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.

Dr. Ram Gupta motivated the students to make use of the lecture in his introductory speech and appreciated the Management for providing all benefits for the students to develop their knowledge. He conveyed best wishes to the resource person to handle the guest lecture.

11:45 a.m. – 1:15 p.m. Session I

Dr. R. Vaidyanathan addressed all the students and delivered his lecture on ‘Shell Structure’. He explained the basic concepts in the design of shell structures. He emphasized that new codal provisions must be followed while designing the structure for earthquake zones. He started with human system, needs, and method to maintain the physique and the need for sports/exercise to maintain a good health. He elaborated different types of structures, behavior under loading and the effective use of the cross section. He explicated different types of shell, classifications, behavior of shells, advantages and applications. He also clarified the queries of enthusiastic young students with a great zeal during the interaction session.

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

The programme was concluded by a vote of thanks by Dr. Roy.