

Report on Guest Lecture on “Low-Cost Housing” 15.12.2022



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION) ESTD: 1998

Guest Lecture on
"LOW-COST HOUSING"
Organized by Builder's Club
Department of Civil Engineering

Dr. M.L. VARA PRASAD
M.Tech, Ph.D (NIT Warangal)
A.M.ASCE, M.I.E.M.I.T.E
Associate Professor, Associate Dean (P&D)
(NIT Silchar)
RESOURCE PERSON

Date: 15-Dec-2022
SEMINAR HALL-A
FROM 10:00 AM TO 11:30 AM

CHIEF PATRON Dr. N. VIJAYA BHASKAR CHOUUDARY SECRETARY & CORRESPONDENT	PATRON Mrs. N. KEERTHI EXECUTIVE DIRECTOR	CO-PATRON Dr. C. YESVARAJ PRINCIPAL
CO-CHAIR Dr. DIPANKAR ROY HOD-CIVIL	FACULTY COORDINATOR Dr. PRIYAM NATH BHOWMIK ASSISTANT PROFESSOR	STUDENT COORDINATOR A. VYSHNAVI

Submitted by: **Dr. Priyam Nath Bhowmik, Assistant Professor, Department of Civil Engineering**

REPORT RECEIVED ON 17.12.2022

Organized by:



BUILDERS CLUB

Dignitaries Present: Dr. M.L. Vara Prasad, Associate Professor, Department of Civil Engineering, National Institute of Technology Silchar (NITS).

Dr. P. Ramanathan, Professor, Department of ECE and Vice-Principal Academics, Madanapalle Institute of Technology & Science, Madanapalle.

Dr. Dipankar Roy, Professor & Head, Department of Civil Engineering, Madanapalle Institute of Technology & Science, Madanapalle.

Resource Person: Dr. M. L. V. Prasad pursued B. Tech in Civil Engineering from S. V. University, Tirupathi, Andhra Pradesh in 1999 and M. Tech in Structural & Construction Engineering from Kakatiya University, Warangal, Telangana in 2004. Later Pursued Ph.D. from National Institute of Technology Warangal, Telangana in 2012. At Present working as an Associate Professor, Civil Engineering Department, NIT, Silchar. Here, he extended research work in the directions of new concrete materials like, Behavior of Eco-Friendly Self Compacting Concrete in cyclic loading by considering dynamic and Earthquake analysis. Further Extend the work in the field of new materials in construction, especially in the mechanical and durability properties of new concrete materials used with different areas like fiber reinforced concretes, self-compacting concrete, geopolymer concrete, recycled aggregate concrete, eco-friendly materials and sustainability concepts. He has 2 patents under his name, 21 international journal publications in reputed journals, 17 international conference and 8 book chapters. He is the member of various bodies like Institute of Engineers, Indian Society for Technical Education, American Society of Civil Engineers and Indian Concrete Institute. He is currently the Associate Dean (P&D) at NIT Silchar. He has also conducted many conferences and workshops and also been a key speaker in various events.

Objective of the Program: The main moto of the lecture session was to bring in the urge of interest for innovative materials in low-cost housing. The mass target of the session were the civil engineering undergraduates. The session was very helpful for the civil engineering students to get ideas on the new materials that are being used for the construction of low-cost housing. The students also learnt about new innovative materials for construction which has led to research curiosity among the young minds.

Event Details:

The Builders Club under the Department of Civil Engineering, in association with the SAC MITS, has organized a Guest lecture on “**Low-Cost Housing**” on 15th December 2022 from 10:00am to 11:30 am at seminar hall-A in hybrid mode. The virtual event began with the welcome speech by Dr. P. Ramanathan (Vice Principal Academics) and Dr. Dipankar Roy (HOD, Civil Engineering), followed by the opening speech of Dr. Priyam Nath Bhowmik (FIC- Builders Club). The session started at 10 am with a prior briefing about the resource person of the day, Dr. M.L.V Prasad by A. Vyshnavi (Student Co-Ordinator, Builders Club). The session was very good, and the seminar hall was occupied to its fullest. The total count of the participants was 138 from the Department of Civil Engineering, MITS Madanapalle. The guest lecture session was supported by the respected management of MITS, Madanapalle and also the Student Activity Center (SAC). The session maintained the expected quality from the resource person and was open to discuss queries of the participants. The session was extended for 10 mins and ended at 11: 40 am. The session was concluded and followed by a vote of thanks given by Dr. Priyam Nath Bhowmik, Assistant Professor, Department of Civil Engineering. We are extremely thankful to MITS institution and management, Principal MITS, Student Activity Center (SAC) for their continuous support to make this event a sparkling successful one.

Topics Discussed:

- Different types of building construction.
- New materials for the use of construction in building.
- Difference between High Strength Concrete and High-Performance Concrete.
- Latest technologies in building low-cost houses.
- Pre-Cast construction materials for buildings.

Target Audience:

B. Tech undergraduates from Civil Engineering Department.

Take-away from the session:

- The Civil Engineering undergraduates learned about the new construction materials.
- The young minds were equipped with the techniques to construct economical buildings.
- Research interest in Material Science (for Civil Engineering constructions).

