



**MGR ASSOCIATION FOR GREAT INNOVATIVE CREATORS**

Department of Civil Engineering

Event Title	Interdisciplinary Lecture Role of AI in modern in Civil Engineering		
Objective of Event	The objective of the Interdisciplinary Lecture on “Role of AI in Modern Civil Engineering” is to explore how AI technologies can enhance efficiency, accuracy and innovation in modern Civil Engineering practices, fostering a deeper understanding of their		
Chief Guest /Speaker Details	Dr.Kribha Devi, Asso Professor, Dr mgr university		
Date	20/08/2024	Time	02.00 PM to 04.00 PM
Venue	Civil Smart Room	No. of Participants	35

REPORT

TITLE

Interdisciplinary Lecture on “Role of AI in Modern Civil Engineering”

CONTENT

The Interdisciplinary Lecture on “Role of AI in Modern Civil Engineering” likely covered the following key outcomes:

Introduction:

- Overview of AI and its growing impact on various industries
- Importance of Civil Engineering in modern society
- Purpose and scope of the lecture

AI Fundamentals and Applications:

- Definition and types of AI (Machine Learning, Deep Learning, Natural Language Processing)
- AI applications in various industries (healthcare, finance, transportation)
- Introduction to AI in Civil Engineering

AI in various field:

The Interdisciplinary Lecture on "Role of AI in Modern Civil Engineering" explored the transformative potential of Artificial Intelligence (AI) in civil engineering, covering its fundamentals, applications and future directions

The lecture delved into AI's role in design optimization, construction automation, structural analysis and infrastructure management, highlighting its ability to enhance efficiency, sustainability and resilience



# Dr. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE (Deemed to be University)

Maduravoyal, Chennai - 600 095. Tamilnadu, India.

(An ISO 9001-2015 Certified Institution)



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Real-world case studies demonstrated AI's impact in reducing environmental footprint, improving disaster response and streamlining construction processes

The lecture also discussed challenges and limitations, emphasizing the need for interdisciplinary collaboration to harness AI's full potential

By examining AI's applications in design, construction and infrastructure management, the lecture provided a comprehensive understanding of its role in shaping the future of Civil Engineering, driving innovation and addressing complex societal challenges



### EVENT OUTCOME

Students gained a comprehensive understanding of how AI is being integrated into civil engineering, including its practical applications, challenges and future trends

\* Students acquired knowledge to identify opportunities for applying AI in their projects and inspired to engage in interdisciplinary collaboration to drive innovation in Civil Engineering

### PHOTOS



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Dr. V. Priyadarshini