

DEPARTMENT OF CIVIL ENGINEERING

09-01-2026

A Report on Guest Lecture on

“REAL TIME RESEARCH PROJECTS IN CIVIL ENGINEERING”



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Education Society's Group of Institutions—Integrated Campus
(UGC AUTONOMOUS INSTITUTION)
www.nnrg.edu.in

School of Engineering
DEPARTMENT OF CIVIL ENGINEERING

Organizing
An Expert Talk on

**Real Time Research Projects
in Civil Engineering**

Date: 09-01-2026 **Time: 01:30 PM**
Venue: Conference Hall, Ground Floor

Resource Person

Dr. KRC Reddy
Professor
Civil Engineering Department
Anurag University

Shri Nalla Narasimha Reddy
Chairman

Shri Nalla Prashanth Reddy
Vice-Chairman

Dr. C. V. Krishna Reddy
Director

Dr. G. Janardhana Raju
Dean - School of Engineering

Dr. G. Subba Rao
HoD - Civil

The Department of Civil Engineering, in association with [organization/committee name], organized a guest lecture on “Real-Time Research Projects in Civil Engineering” delivered by Dr. KRC Reddy, Professor, Civil Engineering Department, Anurag University, on January 9, 2026. A total of 47 II and III year Civil Engineering students, along with 8 faculty members, attended the session.

The speaker's introduction highlighted the integration of cutting-edge technologies in real-time civil engineering projects. Dr K R C Reddy enlightened the Real-time projects use live data such as in structural health assessments or geotechnical site analysis. AI algorithms process this data to predict outcomes like material fatigue or groundwater fluctuations, enabling proactive decisions. Digital Twins create virtual replicas of physical assets, like bridges or dams, simulating scenarios for optimization.

The speaker, a renowned expert in civil engineering projects and a familiar face through his social media channels, inspired students to stay updated on project developments. He

emphasized researching projects and journals to understand their details. These projects focus on monitoring the live status of construction sites to enhance safety and efficiency, utilizing specialized equipment. The speaker demonstrated a real-time project in front of the students and explained its workings.

The speaker also motivated students to pursue entrepreneurship after gaining proper knowledge of their field and the working environment, emphasizing the importance of collaborating effectively with people. He suggested exploring specific case studies of real-time research across various sectors, offering hands-on demonstrations of real-time data processing tools and platforms, and discussing policy frameworks to address ethical issues in real-time data collection and processing.

The guest lecture provided a thorough understanding of real-time research projects and their immense potential to transform industries. Dr. KRC Reddy delivered both theoretical insights and practical examples, making the session highly informative and engaging. It offered attendees a valuable opportunity to deepen their knowledge of the technological advancements shaping the future of research. Following the lecture, students posed queries, which the speaker addressed thoughtfully. After a felicitation to the guest, Dr. G. Subba Rao, HoD-CE, concluded the session at 04:00 PM.

