



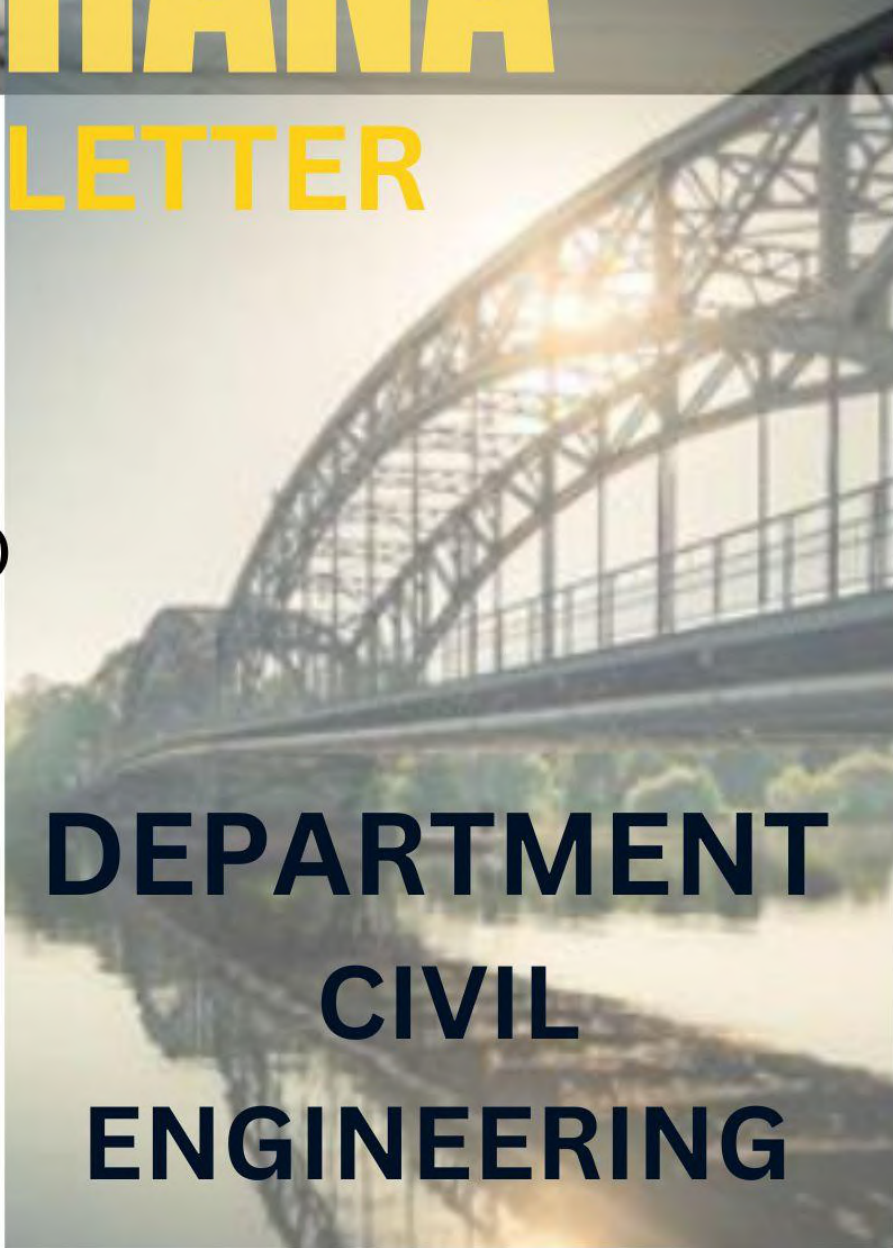
# RANCHANA

## NEWS LETTER

**Madanapalle  
Institute of  
Technology & Science  
(UGC Autonomous Institute)**

*EDITED BY*

**M. Indumathi ,  
G.Uday kiran**



**DEPARTMENT  
CIVIL  
ENGINEERING**



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

## DEPARTMENT OF CIVIL ENGINEERING

(UGC Autonomous Institution)  
 Affiliated to JNTUA, Ananthapuramu, Approved by AICTE, New Delhi  
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### World Environment Day Celebration – June 5, 2023

The MITS ASCE Student Chapter, in collaboration with the Department of Civil Engineering, MITS, organized a cleanup campaign on June 5, 2023, to mark

**World Environment Day.** The initiative aimed to promote environmental awareness and sustainability among students and faculty.

The event began at 9:30 AM near the Madanapalle Municipal Office, with participation from Civil Engineering students and faculty. **Chief guests, Er. Sirisha and Er. Snehapriya (Municipal**

**Engineers, Madanapalle)**, inaugurated the campaign, emphasizing the importance of public cleanliness. Students actively collected plastic waste, e-waste, and papers, following safety protocols with gloves and masks. Bleaching powder was applied post-cleanup for sanitation.



Dr. Priyam Nath Bhowmik addressed the gathering on the role of individuals in environmental conservation. Faculty members encouraged students to adopt eco-friendly habits and contribute to pollution control efforts. The event concluded with a discussion on community responsibility, reinforcing the need for sustainable practices.

**Supported POs:** PO 6, PO 7, & PO 10

**SDG:** 13,6

### Industrial Visit to Home Expo 2023 – May 26, 2023

The Department of Civil Engineering, MITS, organized an industrial visit for **120 students and 6 faculty members to Home Expo 2023**, held from **May 26–28, 2023**, at Paradise Function Hall, Madanapalle. The expo showcased the latest advancements in building materials and construction technologies, offering students valuable industry exposure.

#### Editors by

**Faculty coordinator: Dr. Vijay Kumar Natesan**

**Student coordinator: M. Indumathi , G.Uday kiran**



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The visit commenced at 10:00 AM, with students reaching the venue by 10:30 AM. The organizers provided insights into the construction industry's innovations, **focusing on modern building materials, sustainable solutions, and evolving engineering techniques**. Students were divided into small groups to ensure an interactive learning experience. Experts from various companies explained product properties and their impact on building comfort and sustainability.

By the end of the visit, students gained insights into state-of-the-art construction materials, industry expectations, and innovative solutions in civil engineering. The event concluded with a return to campus at 4:00 PM, leaving students with a deeper understanding of emerging trends in construction technology.

Supported POs: PO 4

SDG: 9,4

### Industrial Visit to Chandragiri Fort & Kalyani Dam – May 21, 2023

The Department of Civil Engineering, MITS, organized an industrial visit for 50 students to Chandragiri Fort and Kalyani Dam, Tirupati, **on May 21, 2023**. The visit aimed to provide practical insights into architectural space planning and dam engineering principles as part of the **Skill-Oriented Course – Architecture**.

The group arrived at Chandragiri Fort by 9:30 AM, where

**Dr. Swapneel Jaiswal explained the fort's strategic design,**

Defence planning, and ancient architectural concepts. After lunch at 1:30 PM, the students proceeded to Kalyani Dam at 3:30 PM, where

**Dr. Sudheer Kumar Y elaborated on gravity dam construction, drainage galleries, ogee spillways, and reservoir storage. The dam's role as a primary water source for**



Students' Visit to Chandragiri Fort to understand the Architectural aspects of fort structure and space planning

**Tirupati and Chittoor was also discussed, along with its irrigation and drinking water supply functions.**



Students' visit to Kalyani Dam, Tirupati to understand the working principle of a dam

The visit concluded at 6:30 PM, enhancing students' understanding of **structural design, historical architecture, and water resource management**. This hands-on experience bridged theory with real-world

applications, fostering interactive and experiential learning.

Supported POs: PO 4

SDG: 9,4

### Inspiring Guest Lecture on Entrepreneurship at MITS

The Department of Civil Engineering at MITS, in collaboration with the **Institution's Innovation Cell**, hosted an insightful guest lecture titled "My Story – Motivational Session by a Start-up Founder" on November 26, 2022. The online session, attended by 97 participants, featured **Mr. Amit Singh Baghel**,



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**Director of Vernacular Consultancy Services (VERCOS) Pvt. Ltd.**, who shared his entrepreneurial journey and insights into overcoming start-up challenges, particularly in transportation and infrastructure.

The event was graced by **Dr. Dipankar Roy**, **Dr. D. Jagadeesan**, and **Dr. Swapneel Jaiswal**, and concluded with an interactive discussion. Participants praised the session for its clarity and motivation, with most rating it "Very Good". Some suggested improvements in video clarity and expressed interest in more such lectures. The Department thanks MITS management and the Institution's Innovation Cell for their support in fostering entrepreneurial learning and innovation among students.

Organized by Department of Civil Engineering  
 in collaboration with IIC

**DATE**  
26.11.2022

**Resource Person**  
**Mr. Amit Singh Baghel**  
 Director VERCOS Pvt Ltd, Lucknow

**Date and Time**  
26th November 2022 & 10 AM

**Chief Patron**  
Dr. N. Vijaya Bhaskar Choudary  
Secretary & Correspondent

**Patron**  
Mrs. N. Keerthi  
Executive Director

**Program Chair**  
Dr. C. Yuvraj  
Principal

**Co-Chair**  
Dr. Dipankar Roy  
Prof & Head

**Coordinators**  
Dr. Swapneel Jaiswal  
Asst. Professor, Civil

**Ms. Lipsa Mishra**  
Asst. Professor, Civil

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

Organized in association with: Department of Civil Engineering, MITS

**Supported POs:** PO 12

**SDG:** 9,8

## Workshop on Total Station Surveying at MITS

The Department of Civil Engineering at MITS organized a Workshop on Total Station Surveying on March 15, 2023, hands-on training for students in advanced land surveying techniques. The session covered total station operation, data collection, and real-time applications in civil engineering projects. Participants gained practical exposure to modern surveying tools, enhancing their technical skills and field knowledge. The workshop was well-received, with students appreciating the interactive and application-oriented approach. The Department extends its gratitude to MITS management for supporting such skill-development initiatives.

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Organized by MITS-Civil Engineering Society  
 Under ASCE INDIA SECTION Southern Region

**Workshop on Total Station**

**Resource Person**  
**Mr. T. Chandu**  
 Digital Land Surveyor,  
 Tirupati

**From**  
15/03/2023  
**to**  
17/03/2023

**Co-Patron**  
Dr. C. Yuvraj  
Principal

**Patron**  
Mrs. N. Keerthi  
Executive Director

**Chief Patron**  
Dr. N. Vijaya Bhaskar Choudary  
Secretary & Correspondent

**President**  
M. Manogna  
MITS-Civil Engineering Society

**Faculty Co-ordinator**  
Dr. Balasubragas G

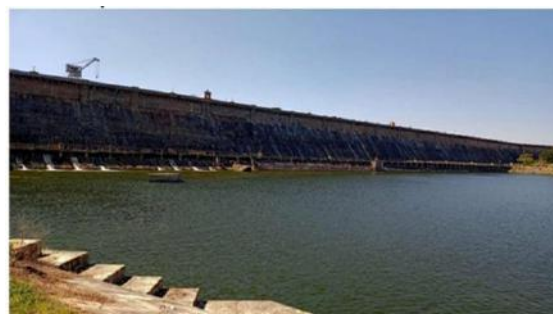
**Chair**  
Dr. Dipankar Roy  
Head of Civil Engineering Department

**Supported POs:** PO 1, PO 4, PO 5, PO 12

**SDG:** 4

## Industrial Visit to Krishna Raja Sagara Dam

The Department of Civil Engineering at MITS organized an industrial visit to **Krishna Raja Sagara (KRS) Dam, Mysore**, on March 12, 2023. A group of 45 students, accompanied by faculty members, explored the gravity dam built across the **Kaveri River**. Dr. Dipankar Roy, Professor & Head, explained key structural aspects, including the Ogee spillway, embankment construction, and reservoir storage, highlighting the dam's role in irrigation and water supply for Mysore, Mandya, and Bengaluru.





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Following the dam visit, students toured the historic Mysore Palace, gaining insights into royal architecture and heritage conservation. The visit provided interactive learning experiences, bridging theory with practical engineering applications. The Department extends its gratitude to MITS management for supporting such educational initiatives.

Supported POs: PO 4

SDG:13,9

## Industrial Visit to Gandikota Reservoir Project

The Department of Civil Engineering at MITS organized an **industrial visit to the Gandikota Reservoir Project** on **February 2, 2023**, providing students with firsthand exposure to dam construction and water management systems. Accompanied by faculty members, students visited the gravity dam on the **Penna River**, where **Mr. Srinivasulu, AEE, Irrigation Department**, explained key aspects such as **infiltration galleries**, **Ogee spillways**, embankment construction, and reservoir storage.

Report on  
Industrial Visit to Gandikota Reservoir Project located between  
Gandikota village and Kondapur village of Kadapa district  
Organized by Dept. of Civil Engineering- MITS  
02 February 2023



The visit continued to **Mayilavaram Dam**, a downstream structure of Gandikota Dam, where **Mr. N. Murthy, AEE**, described its functions and significance in regional water supply. The interactive learning experience helped students understand dam design and **hydrological concepts**. The Department extends its gratitude to MITS management for supporting such valuable field visits.

Supported POs: PO 4

SDG:4

## Guest Lecture on : Entrepreneurship Skill, Attitude, and Behavior Development

The Department of Civil Engineering, in association with the **Institution's Innovation Council (IIC)** and **Entrepreneurship Development Cell (ED)**, hosted a guest lecture on "**Entrepreneurship Skill, Attitude, and Behavior Development**" on December 15, 2022. The hybrid session, held at Seminar Hall-A, was attended by 100 students and featured **Mr. Biswajit Paul, Founder & Director of QWKPRO Consultancy Pvt. Ltd.**

Mr. Paul, whose startup Quickobook is valued at ₹20 Crore, shared his journey from corporate life to entrepreneurship, highlighting challenges and funding strategies. He discussed securing a ₹50 lakh government grant, a ₹2 crore NVCL investment, and building a network of 10,000+ doctors and 200+ hospitals, impacting over 1 million lives.

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
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Organized by Department of Civil Engineering  
in collaboration with IIC

**A talk on Entrepreneurship Skill, Attitude and Behavior Development**

Quickobook | A+ | IIC | ED | IIC

**Resource Person**  
**Mr. Biswajit Paul**  
Founder & Director of  
QWKPRO CONSULTANCY PVT LTD

**Chief Patron**  
Dr. N. Vijaya Bhaskar Choudary  
Secretary & Correspondent

**Patron**  
Mrs. N. Keerthi  
Executive Director

**Co-Patron**  
Dr. C. Yuvraj  
Principal

**Co-Chair**  
Dr. Dipankar Roy  
Prof & Head

**Co-ordinator of the event**  
Dr. Priyansu Nath Bhowmik  
Assistant Professor, Department of Civil Engineering

**Department IIC Co-ordinator**  
Ms. Ujjwal Mishra  
Assistant Professor, Department of Civil Engineering

DATE: 27.12.2022  
Time: 10:30 AM to 11:30 AM

www.mits.ac.in

The event was graced by **Dr. Dipankar Roy, Dr. P. Ramanathan, and Dr. Priyam Nath Bhowmik**



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concluded with an engaging Q&A. Students praised the session for its real-world insights, with many expressing interest in similar future events.

The Department extends its gratitude to MITS management and IIC for fostering entrepreneurial learning and innovation.

**Supported POs:** PO 1, PO 12

**SDG:**4,8

## Guest Lecture on Waterproofing and Repair of Concrete Structures

**On August 26, 2022**

The Department of Civil Engineering organized a guest lecture on Waterproofing and Repair of Concrete Structures.

The session featured Mr. Mohan Kumar and Mr. Nagesh from Fosroc Chemicals India Pvt Ltd., who provided valuable insights into advanced construction techniques. Attended by over 100 students and faculty members, the session covered the latest waterproofing trends, concrete repair methods, and career opportunities in construction technology. The interactive discussions and live case studies made the event highly engaging, with over 90% of participants rating it as informative and beneficial.



**Supported POs:** PO 1, PO 2, PO 4, PO 5, PO 12

**SDG:**11,12

## Engineers' Day Celebration

The Engineers' Day Celebration on September 15, 2022, paid tribute to the legendary Sir M. Visvesvaraya and his contributions to engineering. The event was attended by distinguished guests, including Dr.C.Yuvaraj (Principal), Dr. P. Ramanathan (Vice Principal - Academics), and Dr. R. Thulasiram Naidu (Associate Dean, R&D and Consultancy). More than 250 students took part in the celebrations, which featured inspiring speeches on sustainability, infrastructure development, and innovation. The event also included competitions such as Technical Quiz, Model Making, Debate, and Poster Presentation, encouraging students to showcase their technical and analytical skills. Winners were honored for their excellence and creativity in various domains.



**Supported POs:** PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, & PO 9

**SDG:**4



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### Industrial Visit to Kalyani Dam, Tirupati

On November 12, 2022, 47 Civil Engineering students embarked on an industrial visit to Kalyani Dam and Water Treatment Plant in Tirupati, accompanied by faculty coordinators Dr. G. Balamurugan, Dr. Sudheer Kumar, and Dr. Priyam Nath Bhowmik. The visit provided hands-on exposure to dam construction, water resource management, and water treatment processes. Guided by Mr. Sudeep and



Dr. N. Krishna Murthy (Irrigation Department officials), students explored the gravity dam's structure, spillway design, reservoir capacity, and purification processes at the Water Treatment Plant. The visit significantly enhanced students' practical knowledge, with 90% of participants reporting a deeper understanding of dam engineering and water treatment technologies.

Supported POs: PO 4

SDG:4,14

### National Level Student Symposium - CITA'23

The Department of Civil Engineering hosted the National Level Student Symposium, CITA'23, on April 26, 2023. This event brought together students from various engineering colleges, including SVTM, Aditya College of Engineering, KSRM, JNTU, SRIT, Kuppam Engineering College, and MERITS. The symposium aimed to provide a platform for students to exchange ideas, present research, and discuss the latest technological advancements in Civil Engineering. The inauguration ceremony featured esteemed dignitaries such as Er. Chandrasekhar Reddy (Executive Engineer, P & RD Department), Dr. C. Yuvaraj (Principal, MITS), and Dr. Dipankar Roy (Professor & HoD, Civil Engineering). The event was a great success, fostering technical and organizational skills among students. Competitions such as Paper Presentation, Poster Presentation, Model Making, Project Expo, and AutoCAD Design attracted enthusiastic participation. The valedictory function concluded with prize distribution to the winners and a vote of thanks by Ms. Haripriya, a second-year Civil Engineering student.



Supported POs: PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, & PO 9

SDG:4

### Guest Lecture on Scope of Engineering Graduates as Techno-Managers

On April 17, 2023, the Department of Civil Engineering, in association with the Builders Club and ASCE MITS Student Chapter, organized a Guest Lecture on Scope of Engineering Graduates as Techno-Managers. The session was delivered by Prof. Raja Shekhar Mamillapalli, Assistant Professor at NICMAR, Hyderabad, who shared valuable insights on project management, energy management, autonomous construction, and future skills in the construction industry. Attended by 90 students, the event provided a platform for young engineers to explore career opportunities in engineering management and





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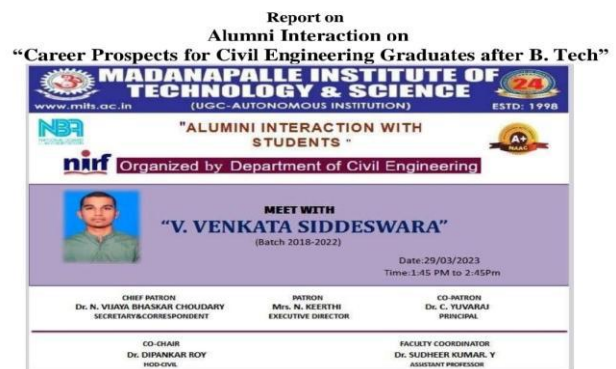
leadership roles. The session concluded with an interactive Q&A session, followed by a felicitation ceremony in honor of the guest speaker.

Supported POs: PO 7, PO 8, PO 10, & PO 12

SDG:4

## Alumni Interaction on Career Prospects for Civil Engineering Graduates

On January 2, 2024, the Department of Civil Engineering organized an Alumni Interaction on Career Prospects for Civil Engineering Graduates. The session featured Mr. V. Venkata Siddeswara, an alumnus of MITS, who provided insights into career opportunities, GATE, IES, and various government examinations. The event, attended by 60 students, was highly interactive, allowing students to clarify their queries about career paths and skill development. The session concluded with a vote of thanks by Mr. Karthik, acknowledging the support of the faculty, students, and management in making the event a success.



Supported POs: PO 7, PO 8, PO 10, PO 12

SDG: 4



## Guest lecture on "Low-Cost Housing"

The Builders Club, Department of Civil Engineering, in association with the Student Activity Center (SAC), hosted a guest lecture on "Low-Cost Housing" on December 15, 2022. Held in Seminar Hall-A in a hybrid format, the session attracted 138 participants and featured **Dr. M.L. Vara Prasad, Associate Professor at NIT Silchar.**

Dr. Prasad, a researcher in eco-friendly and sustainable construction materials, shared insights on high-strength vs. high-performance concrete, pre-cast materials, and innovative low-cost housing techniques. His discussion on **fiber-reinforced, self-compacting, and geopolymer concrete** sparked research interest among students.







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



The event, attended by **Dr. P. Ramanathan, Dr. Dipankar Roy, and Dr. Priyam Nath Bhowmik, concluded with an interactive Q&A.** Participants praised the session for its practical relevance, emphasizing the importance of affordable and sustainable housing solutions.

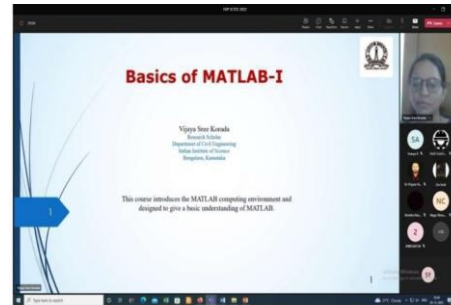
The Department extends its gratitude to MITS management and SAC for fostering innovation in civil engineering.

Supported POs: PO 12

SDG:11,09,08

### Faculty Development Program (FDP) on Soft Computing Techniques for Civil Engineers

The Department of Civil Engineering organized a virtual FDP on *Soft Computing Techniques for Civil Engineers* from December- 5–12, 2022, with 120 participants. The program was inaugurated by Dr. Priyam Nath Bhowmik, followed by insights from Dr. Ramanathan and Dr. Dipankar Roy.



Key sessions included statistical methods in MATLAB & Optum G2 by Mrs. Vijayashree (IISc Bangalore), problem-solving with Analysis by



**Dr. PV Koteswararao (Vardhaman Engg. College, Hyderabad), and pavement reliability studies by Dr. Pranav RT Peddinti (UNIST, South Korea).** The FDP enhanced technical expertise, research enthusiasm, and practical applications in civil engineering.

The eight-day program concluded with a vote of thanks by **Dr. Sudheerkumar Y, highlighting its success in fostering innovation and academic excellence.**

Supported POs: PO 1,PO 5

SDG: 4,8

### Industrial Visit to Pedderu Dam

The Department of Civil Engineering, MITS, organized an industrial visit to *Pedderu Dam* on December 4, 2022, with 80 students. The visit provided hands-on exposure to dam engineering concepts.



Mr. Naveen Naidu, AEE, Irrigation Department, explained the gravity dam structure, spillway, infiltration gallery, concrete embankment, and reservoir storage. Students explored the infiltration gallery and its role in dam functionality.





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The visit enhanced students' understanding of theoretical dam design concepts through interactive sessions. The trip concluded at 6:00 PM, after which students returned to Angallu. The department extends gratitude to the Principal, Management, and Faculty for their support.

Supported POs: PO 4

SDG: 9,13

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*Affiliated To JNTU Anantapur*

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*Andhra Pradesh*