

TERRA 23



DEPARTMENT OF
CIVIL ENGINEERING

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

Affiliated to JNTUA Ananthapuramu, Approved by AICTE New Delhi
Madanapalle, Annamayya District, Andhra Pradesh 517 325
Accredited by NAAC with A+ Grade, Accredited by NBA

From Principal



**Dr. C. Yuvaraj, Principal MITS,
Madanapalle, AP**

MESSAGE FROM PRINCIPAL

I am happy to note that the Civil Engineering Department MITS is showcasing their activities & achievement through the Department magazine "TERRA". I wish them success in their future endeavor!

From H.O.D Desk

We, the Department of Civil Engineering happy to announce the release of our department magazine "TERRA". for the Academic year 2021-2022. I appreciate the department for such an initiative to provide a platform for communicating the innovative ideas of the students and faculty member. Assistant Professor Civil Department showcases the numerous events organized by the department of Civil Engineering, the extracurricular, co-curricular, achievements and academic success of the department's students and faculty. This new endeavor is the result of the efforts put in by a dedicated team of teachers and students. I congratulate the Department and the concerned staff members, students and editorial team for the efforts taken by them to bring out this newsletter and making it a grand success



**Dr. Dipankar Roy Professor &
HOD Civil Department MITS,
Madanapalle, AP**

TERRA

2022-23

ABOUT THE DEPARTMENT

The Department of Civil Engineering is started in the year 2014. The Department offers 4 years B.Tech Programme. The course offers a deep insight into the discipline and enables promising engineers to acquire skills required to succeed both individually as well as in Industry. Keeping in view of the technological advancement, the department is fortified by the most qualified and experienced faculty. The department is well equipped with modern laboratories. The B.Tech. Programme under Department of Civil Engineering was Accredited by the National Board of Accreditation (NBA) of All India Council for Technical Education (AICTE)

Editorial team

Dr. Nakkeeran . G

*Assistant Professor of
Civil Engineering*

N. Radiya

Shaik Mahammed Saif,

Rajaka Mano Narasimha,

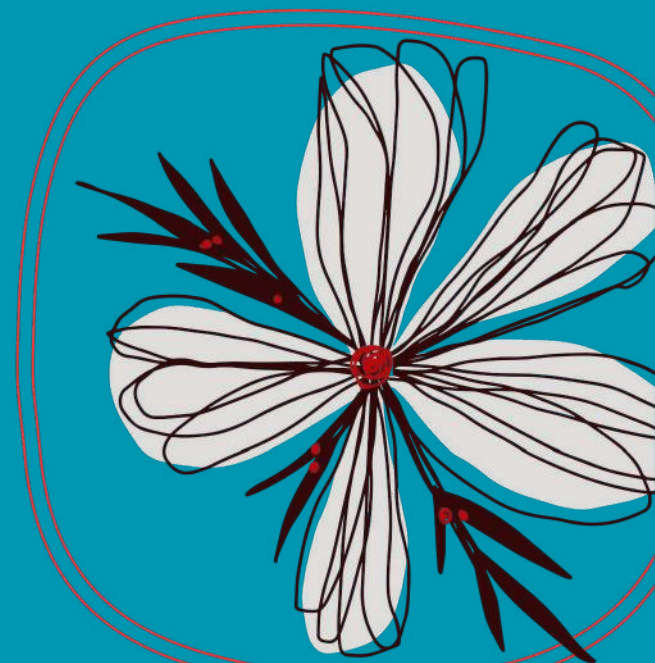
Paul Daniel Prem

VISION

To grow as a globally recognized Civil Engineering Department through cutting-edge education and research to bring sustainable cultural, economic and social growth in the nation.

MISSION OF THE DEPARTMENT

To provide modern educational tools and techniques to the students in order to enrich them to solve complex civil engineering problems. To develop sustainable technologies and solutions for various organizations involved in developmental activities through consultancy and research services. · To foster the socio-economic and cultural upliftment in the region through formal and informal education



"Faculty Development Program on Universal Human Values (UHV) Successfully Completed"

Madanapalle Institute Of Technology & Science/ Civil Engineering is proud to announce that Dr. Dipankar Roy, Professor & HOD has successfully completed the 6-day online Faculty Development Program (FDP) on Universal Human Values (UHV). The program, which was conducted on 13-02-2023, provided participants with in-depth knowledge and practical insights into the role of human values in education and society.



This achievement underscores the commitment of Madanapalle Institute Of Technology & Science/ Civil to continuous professional development and the enhancement of teaching methodologies. The completion of this program highlights our ongoing efforts to integrate core human values into academic and personal development, shaping a brighter future for both faculty and students.

NPTEL - Introduction to Research

Description: Successful completion of the "Introduction to Research" course organized by NPTEL. The course provided an in-depth understanding of research methodologies and their application in various academic disciplines.

Faculty Involved: **Dr. Sudheer Kumar**

Yanthrapalle, Senior Assistant Professor

Date: 01-08-2022 Faculty Development Program - Soft Computing Techniques for Civil Engineers

Description: A 6-day Faculty Development Program (FDP) focused on soft computing techniques for civil engineers. The program aimed to enhance the skills of faculty members in

applying soft computing concepts to civil engineering challenges. Faculty Involved: Prof. Dr.

Sudheer Kumar Yanthrapalle, Senior Assistant

Professor Date: 05-12-2022 Training Programs

PDA-SG (Professional Development Activities - Software Group) Description: A specialized training program for faculty members focusing on

[specific area of training]. Faculty Involved: Dr.

Sudheer Kumar Yanthrapalle, Senior Assistant

Professor Date: 22-06-2023 CSL (Computer

Science and Learning)

"NPTEL laurels prove what we've always known - that our faculty walk the talk of continuous learning, turning professional development into student empowerment."

30-5-2022

CITA 2k22

A one-day national level students' technical symposium The Department of Civil Engineering organized "CITA'22 A one-day national level students' technical symposium" on 30 May 2022. This is the common technical symposium which is organized by every institute and every department individually. The mission of this event is 'The Hunt for Talent'. In this technical symposium we have conducted many events, both technical and non-technical. This entire event was conducted and organized by students only. HOD and faculty has given complete support to organize this event and make it as a success. Students from other department also shown their interest to the participation in the events we have conducted. The technical events of this CITA are paper presentation, poster presentation, project expo, model making, short video. At the end Mr. Rakesh and Ms. Lahari 3rd year, Civil Proposed the vote of thanks.



The Hunt For Talent



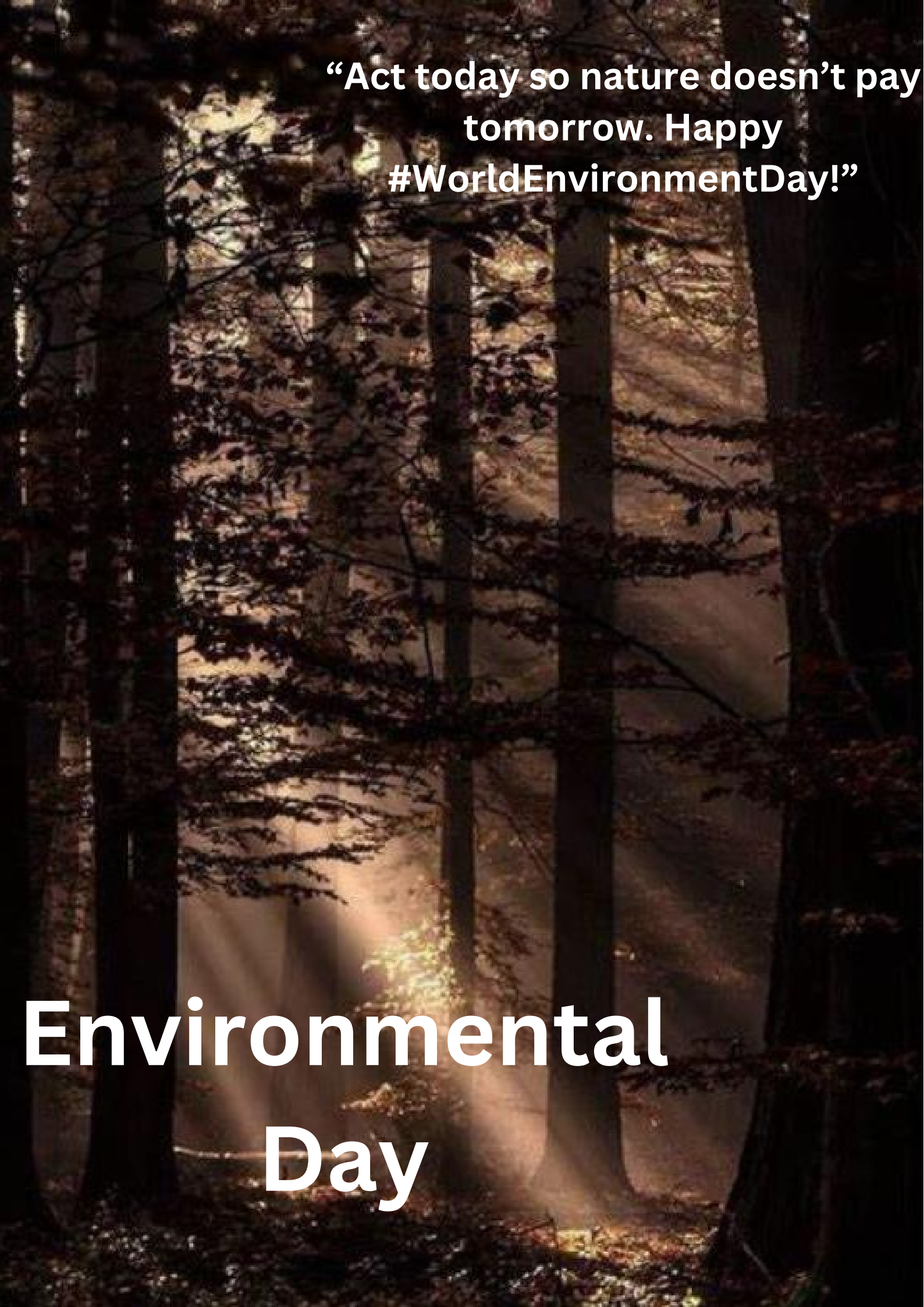
"The Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS) recently hosted its annual symposium, InnovateConstrue 2023, bringing together students, researchers, and industry experts to explore cutting-edge advancements in civil engineering.

The event featured keynote addresses by renowned professionals on sustainable infrastructure, smart cities, and disaster-resilient design, aligning with global challenges like climate change and urbanization. Interactive workshops on BIM (Building Information Modeling), geotechnical innovations, and advanced structural analysis software provided hands-on learning opportunities, while student-led paper presentations showcased research on eco-friendly materials and AI-driven construction management. A highlight was the panel discussion on bridging academia-industry gaps, emphasizing skill development for future engineers. Competitions like 'Design-a-Thon' encouraged creative problem-solving, and networking sessions fostered collaborations between attendees and firms like L&T and Tata Projects. The symposium underscored MITS's commitment to nurturing forward-thinking engineers equipped to transform the built environment through innovation and sustainability."






"CIVIL ENGINEERING IS THE ART OF SHAPING THE WORLD WE LIVE IN – BLENDING SCIENCE, CREATIVITY, AND SUSTAINABILITY TO BUILD TOMORROW'S LEGACY. LET THIS SYMPOSIUM IGNITE IDEAS, FOSTER COLLABORATION, AND INSPIRE SOLUTIONS FOR A RESILIENT FUTURE."

A photograph of a forest with sunlight filtering through the trees, creating a warm, golden glow. The text is overlaid on the top right and bottom center of the image.

**“Act today so nature doesn’t pay
tomorrow. Happy
#WorldEnvironmentDay!”**

**Environmental
Day**



On June 5, 2023, the MITS ASCE Student Chapter and Civil Engineering Department organized a World Environment Day cleanup campaign near Madanapalle Municipal Office. Inaugurated by municipal engineers Er. Sirisha and Er. Snehapriya, the event stressed public cleanliness and sustainability. Students safely collected plastic, e-waste, and paper using gloves/masks, followed by sanitation with bleaching powder. Dr. Priyam Nath Bhowmik and faculty highlighted individual roles in conservation, urging eco-friendly habits. The campaign concluded with discussions on community responsibility and sustainable practices to combat pollution.



A wide-angle photograph of the Pedderu Dam, a large concrete gravity dam with a spillway, set against a backdrop of green hills under a blue sky. The dam's structure is composed of multiple concrete blocks. The foreground shows some greenery and a dirt path.

INDUSTRIAL VISIT



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.

"Dams are not just walls of concrete; they are testaments to human ingenuity, balancing the power to harness nature's resources with the responsibility to protect its delicate ecosystems."

A photograph of the Chandragiri Fort in Hampi, India. The fort is a large, multi-story structure made of reddish-brown stone. It features a prominent central tower with a tiered, conical roof. The walls are decorated with numerous arched windows, some with intricate metal grilles. The fort is surrounded by a lush green lawn and some trees. The sky is a clear, pale blue.

TRIP TO
CHANDRAGIRI

**"Chandragiri Fort: Where history
whispers through ancient stones, and
every wall echoes the glory of
empires long past."**

Located in Chittoor district, Andhra Pradesh, Chandragiri Fort is a magnificent historical structure that dates back to the 11th century. Built by the Yadavaraya dynasty, it later came under the control of the Vijayanagara Empire and served as an important stronghold. The fort gained prominence in the 16th century when it became the refuge of Sri Krishna Devaraya's brother, Tirumala Raya, after the fall of Vijayanagara.

Architectural Marvel

The fort complex showcases a blend of Vijayanagara and Indo-Islamic architecture. Key structures within the fort include:

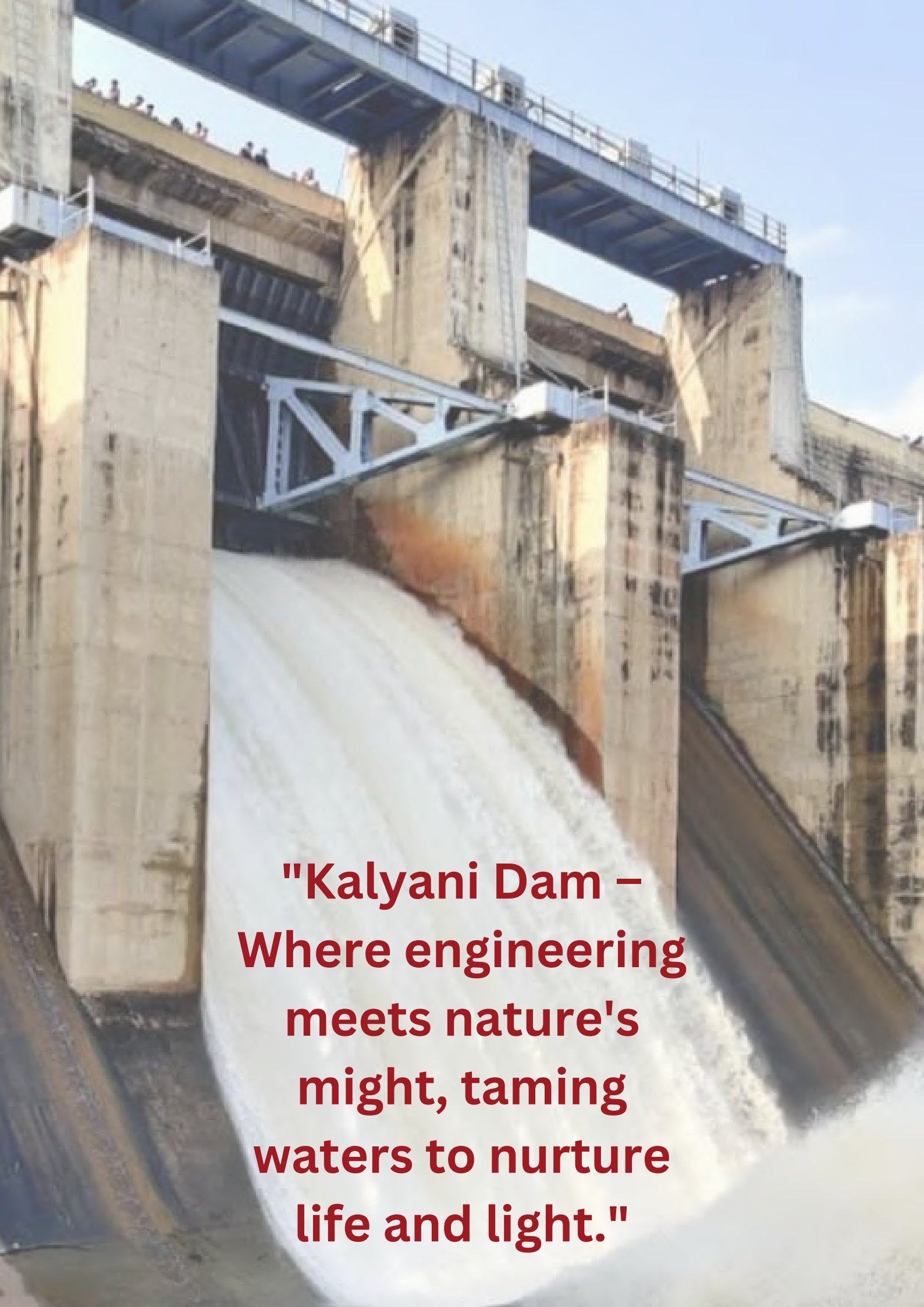
- Raja Mahal – A grand palace with intricate carvings and arches, now housing a museum.
- Rani Mahal – The queen's palace, known for its elegant design.
- Temples – The fort has several temples, including a Venkateswara Swamy Temple, reflecting the region's spiritual heritage.
- Massive Stone Walls & Bastions – Built for defense, these structures highlight the fort's strategic importance.



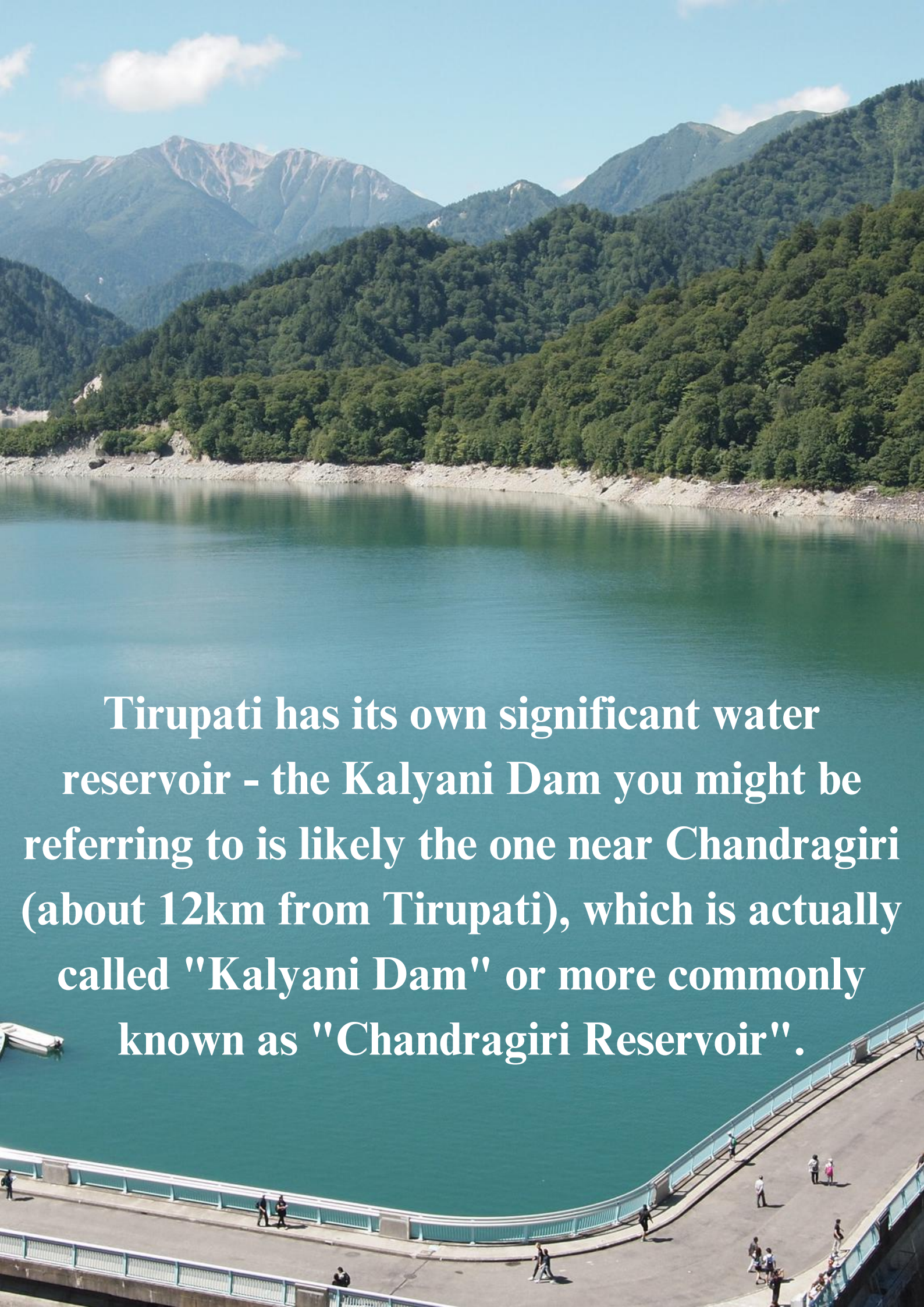
Student's Visit to Chandragiri Fort to understand the Architectural Aspects of fort structure and site planning



Student's visit to Kalyani Dam, Tirupathi to understand the working principal of a dam



**"Kalyani Dam –
Where engineering
meets nature's
might, taming
waters to nurture
life and light."**

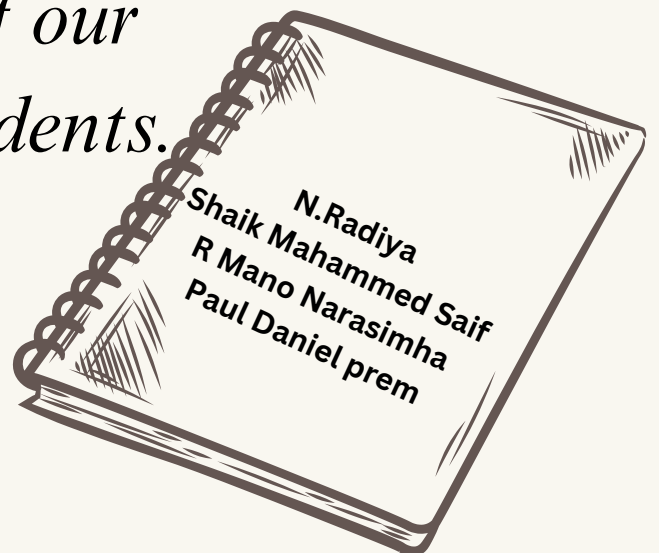


Tirupati has its own significant water reservoir - the Kalyani Dam you might be referring to is likely the one near Chandragiri (about 12km from Tirupati), which is actually called "Kalyani Dam" or more commonly known as "Chandragiri Reservoir".

EDITORIAL BOARD



At TERRA, we take immense pride in showcasing the remarkable achievements of our faculty, students, and alumni who continue to set new benchmarks in academia and beyond. This edition is dedicated to honoring the extraordinary success of our faculty members and Students.





PUBLISHED BY
DEPARTMENT OF CIVIL ENGINEERING
MADANAPALLE INSTITUTE OF
TECHNOLOGY & SCIENCE
(UGC Autonomous Institute) Approved
by AICTE, New Delhi and Accredited by
NBA Affiliated To JNTU Anantapur Post
Box No: 14, Kadiri Road, Angallu,
Madanapalle-517325 Andhra Pradesh

Editorial team

Dr. Nakkeeran .G

*Assistant Professor of
Civil Engineering*

N. Radiya

Shaik Mahammed Saif,

Rajaka Mano Narasimha,

Paul Daniel Prem

**"Engineers like to solve
problems. If there are no
problems handily available, they
will create their own."**