



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

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi  
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)  
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA



**A Report on Industrial Visit to "Gandi Reservoir"**  
**Organized by Department of Civil Engineering**  
**In Association With ASCE Student Chapter**  
**on 18th May 2025**



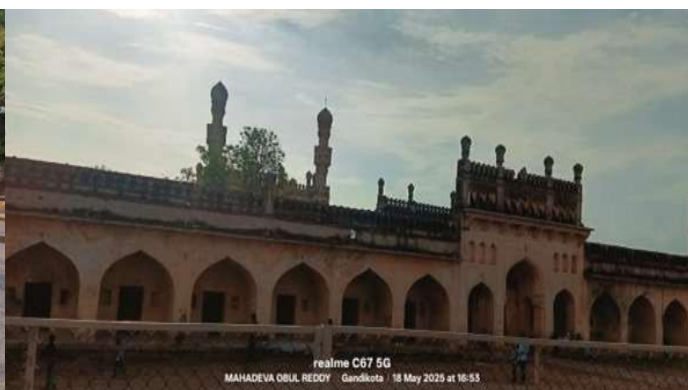
**Report Submitted by: Dr. Swapneel Jaiswal Sr. Assistant Professor, Department of Civil Engineering.**

**Report Received on 04.06.2025.**

**Mode of Conduct: Offline**

**INTRODUCTION:**

Gandi reservoir is crucial water storage project in the Kadapa district of Andhra Pradesh, India. It is 199km away from Angallu town. Gandhi reservoir located across the Penna River, with a gross storage capacity of 26.84 TMC (thousands million cubic feet). The reservoir serves as a balancing reservoir to the Penna River basin in Kadapa, Nellore, Chittoor districts. It is also known for being located near the Gandikota Grand Canyon, a prominent landmark in the area.



Gandikota is a village and historical fort on the right bank of Penna River, 15km from Jammalamadugu in Kadapa district, Andhra Pradesh, India. The fort was the center of power for various dynasties, such as the Kalyani chaluhyas,

Pemmasani Nayakas, and the Golconda sultanate. Initially, a sand fort was constructed by Kaka Raja, a vassal of the Kalyani chaluhyas rulers. The village transformed into a major fortified settlement with the rise of the pemmasani nayakas. Later, various additional reflecting Islamic architectural styles were made during period of muslim rule. The fort is a centrally protected monument of Archeological survey of India.

## OBJECTIVE OF THE VISIT:

The objective of visiting Gandhi reservoir and Gandhi fort is to explore and document its historical significance, architectural features, and cultural impact. You'll examine the origins and role of the fort in regional history, focusing on the dynasties that ruled it. Additionally, the visit will allow you to assess the fort's current condition, including preservation efforts and accessibility for tourists. Gathering local narratives and legends will add depth, providing a holistic understanding of the fort's importance in history and culture, as well as its role in contemporary tourism.



## OVERALL PROGRAM:

The group left MITS college at 6 AM and reached the destination at 11:30 AM. Dr. Swapneel Jaiswal, Sr. assistant Professor has discussed about the Gandhi reservoir and Gandhi Fort Architecture & it's various Philosophy for ancient structures. Dr. Swapneel Jaiswal has discussed About the civil and architectural Concepts of the structure. With reference to this Objective, the department of Civil Engineering, MITS, Madanapalle, organized an Industrial Visit for the 3rd year students to the Ancient Structures of Gandhi fort Under ASCE Student Chapter.

Total 40 Students from 3rd year Civil engineering from MITS, Madanapalle along with five faculty members. The Visit was more interactive with effective Learning and the students were made to understand the theoretical concepts Involved in a design and architecture of building structures of the Gandhi Fort. The Industrial visit finished at 6:00 PM and Students returned back to MITS Collage at 10:00PM on same day.



## FEEDBACK ANALYSIS:

