

Report on
Industrial Visit to
Chandragiri fort & Kalyani Dam, Tirupati
Organized by Dept. of Civil Engineering- MITS
21 May 2023

Industrial Visit Information: (50 Students)



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

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

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Background: The visit was planned with the core objective of understanding the concept of space planning and the applied principle under the specific purposes of development. With reference to this objective, the department of Civil Engineering, MITS, Madanapalle, organized an industrial visit for the II and III year students to Chandragiri fort and Kalyani Dam at Tirupati under MITS ASCE Student Chapter and Industrial-Institute Interaction Cell to understand the concept of purpose based strategic planning for spaces. Total 50 Students from II and III year civil engineering from MITS, Madanapalle along with two faculty members have planned and visited the Chandragiri fort and Kalyani dam in Tirupati for the purpose of Industrial Visit as part of the Skill Oriented Course - Architecture.

Objective of the visit: the visit to has planned

Chandragiri Fort is a structure developed for the strategic purpose to defend the area. Therefore, the space planning requires to develop the area for the defense strategy and to secure the area from the outside attack.

The group has reached Chandragiri fort at 09:30 AM. Dr. Swapneel jaiswal , Sr. assistant Professor has discussed about the Building Architecture & it's various philosophy for Ancient structures.

Later the group had lunch at 1:30 pm followed by the visit to Klayani Dam at 3:30 PM. Dr. Sudheer kumar Y, Sr. assistant Professor explained about the function of Dam (about gravity dam constructed across the Swarnamukhi River, drainage gallery, Ogee spillway, embankment construction and Reservoir storage). It is the main source of water for the districts of chittoor . The water is used for irrigation in Tirupati and Chittoor, and it is the main source of drinking water for all of Tirupati, Chittor . The water released from this dam flows into the state of Andhra Pradesh and is stored in Swarnamukhi dam in the Chittoor district. He explained in detail about the Catchment area. After the visit of Kalyani Dam.

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 and dams. The industrial visit finished at 6.30 PM and students returned back to MITS College.

We express our sincere regards to the Principal, the Management, HoD & Other faculty of Civil Engineering department, for their support and encouragement in organizing this visit.