



**111, GOVERNMENT  
POLYTECHNIC COLLEGE,  
COIMBATORE – 641014**

**DEPARTMENT OF CIVIL  
ENGINEERING**

**ALIYAR DAM**  
**INDUSTRIAL VISIT REPORT**

## **OVERVIEW**

On 29.02.2024, a cohort of 47 students from Government Polytechnic College, Coimbatore embarked on a technical exploration to Aliyar Dam. The primary objective was to delve into the historical significance, structural elements, and technical intricacies associated with the dam's construction and operation.

Commencing from the college premises at 9:00 am, students accompanied by 6 staff members named Mr. Jayaraman AM, Mr. Sri Sudhan T, Mr. Deepak V, Mr. Saravanakumar G, Mr. Mukul Nandan R & Mr. Sivasakthivel G reached Aliyar Dam at 11:00 pm. Aliyar Dam, a testament to engineering prowess, was constructed to harness the Aliyar River's potential for irrigation, hydroelectric power generation, and potable water supply was Commissioned in 1959, under the visionary guidance of the Honourable Chief Minister of Tamil Nadu state K Kamaraj.

The Session was guided by a technical assistant of Aliyar dam named Parthiban. Aliyar Dam stands as an impressive example of structural engineering. The dam is a gravity dam, relying on its own weight to resist the horizontal pressure of water. Constructed primarily using concrete, the dam exhibits a massive, curved structure designed to efficiently withstand the forces exerted by the stored water. The dam consists of 787m of gravity structure and the rest of the dam are eathered structure. The dam's crest length measures 3km , and it reaches a maximum height of 120 ft . The reservoir created by Aliyar Dam has a storage capacity of 26.75 million cubic meter , ensuring a reliable supply of water for the region's needs. After the visit, the students enjoyed their lunch and went for a refreshing bath at Anaimali River.

The students reached the college campus safely at 9:00 pm after gaining the technical insights about Aliyar Dam.

# GLIMPSES

