



SARVAJANIK UNIVERSITY
Sarvajanik College of Engineering and
Technology
Bachelor of Technology
Civil Engineering Department



A Visit Report
On
Chowk Fort Surat



Date of Visit: 13/03/26

Time: 11:00 AM to 1:15 PM

Location: Chowk Fort

Organized by: Department of Civil Engineering

Class: B.Tech Civil Engineering (1st Year, 2nd Semester)

A site visit to **Chowk Fort** was organized for the students of B.Tech 1st year Civil Engineering as a part of their academic curriculum under the subject “Civil Engineering Techniques” on **Friday 13/03/2026 at 11:00 pm**. Total 44 students were visited the fort. The purpose of this visit was to provide practical exposure to historical construction techniques, structural systems, and materials used in ancient engineering works.

Chowk Fort is a significant historical structure located in Surat. It was constructed during the medieval period and served as a defensive structure to protect the city from external invasions. The fort reflects the architectural and engineering knowledge of that era.

The construction of the fort demonstrates the use of locally available materials and traditional methods that ensured long-lasting durability. Its strategic location and design highlight the importance of planning in civil engineering even in ancient times.

In 2015 the Government of Gujarat has given the responsibilities of conservation and restoration of historical fort of Surat To Surat Municipal Corporation. Surat Municipal Corporation has carefully examined and appointed various agencies to carry out conservation and restoration work of the fort.

The main objectives of the site visit were:

- To study ancient construction materials and techniques
- To understand structural components such as walls, arches, and foundations
- To observe planning, layout, and drainage systems
- To relate theoretical knowledge with real-life applications

During the visit to Chowk Fort, students observed various civil engineering aspects of the historical structure. They looked at the materials used in construction, such as stones and lime mortar, and understood that these materials have helped the structure remain strong for many years. Students noticed the thick walls of the fort and learned that such walls provide strength and protection. They also observed arches above doors and windows and understood that these shapes help in carrying loads safely. The drainage around the fort was seen, and students understood the importance of proper water flow to avoid damage to structures.

In addition, students observed the overall layout and height of the fort, which was designed for safety and defences. They also noticed some damaged areas and learned the importance of maintenance and preservation of old structures.

Overall, the visit helped students connect their basic classroom knowledge with real-life structures and improved their understanding of simple construction concepts.

Acknowledgement:

We would like to thank Dr. Hiren patel, Principal SCET for providing permission and organize this ancient structure visit. We are also very much thankful to Dr. Mehali Mehta Head, Civil Engineering department for continuously encourage us for conducting this types of visit for the better understanding of practical knowledge to the students.

Few Glimpses of the Visits:



Faculty Visited:

Dr. Kamlesh Dalal
Prof. Ankita Parmar
Dr. Manisha Vashi

Report Prepared by: Prof. Ankita Parmar