

**D. Y. Patil Technical Campus, Polytechnic,
Talsande, Kolhapur.**

Visit Report

On

Badami ,Bagalkot district, Karnataka

Date: 05/10/2025

Our civil engineering department had arranged an Industrial Visit for FY CE class under the course of **Civil Engineering Workshop (311010)**. The venue was **Badami, Bagalkot district, Karnataka**. Within visit students were came across the following points.

- 1) Heritage / Ancient Design of Structure
- 2) Material Used to Build these Structures
- 3) Life Span of Structure
- 4) History of Structure

For this visit total 38 students were present along with 2 faculty members of the department.

HOD

Department of civil Engineering

1. Introduction

An educational tour to **Badami**, an ancient historical town in Karnataka, was organized for First-Year Civil Engineering students. The objective of the visit was to study ancient rock-cut architecture, construction techniques, and planning methods used in early civil engineering works. This tour helped students understand the application of basic engineering principles in historical structures.

2. About Badami

Badami is located in **Bagalkot district, Karnataka**, and was the capital of the **Early Chalukya dynasty (6th–8th century CE)**. It is famous for its **rock-cut cave temples**, fort structures, and **Agastya Lake**, all carved and constructed using sandstone.

Major Attractions Visited:

- ❖ Badami Cave Temples (Cave 1 to Cave 4)
- ❖ Agastya Lake

3. Objectives of the Visit

The objectives of the educational tour were:

- ❖ To learn about **ancient material usage and durability**
- ❖ To create awareness about **heritage conservation**

4. Observations During the Visit

- ❖ The cave temples are directly carved from sandstone cliffs, showing excellent planning and precision.
- ❖ Structural elements like **pillars, beams, and ceilings** are carved from single rock masses.
- ❖ The caves have survived for centuries, demonstrating the strength and durability of stone.
- ❖ Proper alignment, ventilation, and lighting were considered during construction.
- ❖ The Agastya Lake showcases ancient **water harvesting and management practices**.

5. Conclusion

The educational tour to Badami was highly informative and enriching. It helped students understand how ancient engineers applied fundamental civil engineering concepts without modern technology. The visit enhanced students' appreciation for India's architectural and engineering heritage.