

A Report on Site Visit to
"Handri-Neeva Canal and Tunnel Construction Work"
Organized by Builders Club
Under the aegis of ASCE MITS Student Chapter
on 13/08/2026



The poster is for an industrial visit organized by the ASCE MITS Student Chapter. It features the MITS logo at the top, followed by the ASCE logo and various accreditation logos (TUV, NAAC, NIRF, etc.). The main title is "INDUSTRIAL VISIT TO THE HANDRI-NEEVA CANAL AND TUNNEL CONSTRUCTION WORK AT MADANAPALLE". It specifies the date as 13/08/2026 (Thursday) and the time as 1:00 PM to 3:00 PM. The participants are listed as II & Final Year B.Tech. Civil Engineering Students (Approx. 50). The poster also lists the objectives, which include providing practical exposure to ongoing bridge construction activities and helping students understand construction techniques, structural components, site practices, quality control, safety measures, and other field-level engineering practices. The poster lists the following personnel: Chief Patron (Dr. N. Vijaya Bhaskar Choudary), Patron (Shri. Dwarakanath), Faculty Coordinator (Dr. Sudheer Kumar Y), and various other faculty and staff members.



Report Submitted by: Dr. Imran Kuttigola, Assistant Professor, Department of Civil Engineering.

Time: 1:00 pm to 3:00 pm

Venue: Madanapalle

Attendees Count: 50 students

Mode of Conduct: Offline

Report Received on 20.08.2026

Objectives of the Site Visit

The objectives of the Site Visit are:

- To provide students with practical exposure to the construction activities involved in canal and tunnel works.
- To understand the construction techniques, equipment, materials, and methods adopted at the Handri-Neeva project site.
- To bridge the gap between theoretical knowledge and practical applications in civil engineering.
- To familiarize students with site safety, quality control, project management, and environmental considerations involved in large-scale infrastructure projects.

Site Visit details:

The **Department of Civil Engineering**, under the aegis of the **ASCE MITS Student Chapter**, organised a **Site Visit to the Handri-Neeva Canal and Tunnel Construction Work at Madanapalle on 13 August 2026 (Thursday)**. The visit was organised by the **Builders Club** to provide practical exposure to **50 B.Tech. Civil Engineering students** and enhance their understanding of ongoing canal and tunnel construction activities and field-level engineering practices.

The visit was conducted under the guidance of **Dr. Sudheer Kumar Y, Associate Professor**, and **Dr. Imran Kuttigola, Assistant Professor**, Department of Civil Engineering. The faculty coordinators emphasised the importance of practical learning through direct exposure to construction sites and encouraged students to relate the concepts learned in the classroom to actual civil engineering practices.

During the visit, students observed various aspects of **canal and tunnel construction, excavation and earthwork, structural works, construction techniques, use of construction equipment, quality-control measures, and site safety practices**. The site observations helped students understand the planning, execution, supervision, and safety considerations involved in large-scale water-conveyance infrastructure projects.



A total of **50 students** actively participated in the site visit. The students enthusiastically observed the ongoing construction activities and gained valuable first-hand knowledge of the practical challenges associated with executing major civil engineering projects.

The site visit served as an effective **practical learning and field-exposure initiative**, helping students bridge the gap between **theoretical knowledge and real-world applications**. It enhanced their technical understanding, site awareness, safety consciousness, and appreciation of professional practices in the field of civil engineering.

Outcomes of the Event

- Students gained practical exposure to canal and tunnel construction activities and related field practices.
- Students developed a better understanding of construction techniques, equipment, materials, and quality-control measures used at the site.
- The visit enhanced students' awareness of site safety, supervision, and project execution practices in large-scale infrastructure projects.
- The site visit helped students bridge the gap between theoretical concepts and practical applications, strengthening their technical and professional skills.

Program Outcomes (POs) Covered

- **PO1 – Engineering Knowledge:** Applied engineering and civil engineering knowledge to understand canal and tunnel construction practices.
- **PO2 – Problem Analysis:** Developed the ability to observe and analyse practical construction challenges and site conditions.
- **PO5 – Modern Tool Usage:** Gained exposure to construction equipment, machinery, techniques, and modern site practices.
- **PO7 – Environment and Sustainability:** Understood the importance of environmental considerations in large-scale water infrastructure projects.
- **PO9 – Individual and Team Work:** Enhanced teamwork, communication, and coordination through active participation in the site visit.
- **PO12 – Life-long Learning:** Encouraged continuous learning through practical field exposure and interaction with real-world civil engineering practices.

SDG Goals Aligned with the Event

- **SDG 4 – Quality Education:** Provided students with practical, experiential learning through direct exposure to canal and tunnel construction activities.
- **SDG 6 – Clean Water and Sanitation:** Enhanced awareness of water-conveyance infrastructure and its role in efficient water management.
- **SDG 9 – Industry, Innovation and Infrastructure:** Promoted understanding of the planning, construction, and development of resilient water infrastructure.
- **SDG 11 – Sustainable Cities and Communities:** Developed awareness of sustainable infrastructure practices that support community development and water security.

Conclusion:

The **Site Visit to the Handri-Neeva Canal and Tunnel Construction Work at Madanapalle** provided students with valuable practical exposure to ongoing civil engineering construction activities. The visit enabled students to understand construction techniques, equipment, quality-control measures, safety practices, and site management through direct observation. It effectively bridged the gap between classroom learning and real-world field applications, thereby enhancing students' technical knowledge, professional awareness, and interest in civil engineering practices.