



Pradnya Niketan Education Society Pune's
**NAGESH KARAJAGI ORCHID COLLEGE OF
ENGINEERING & TECHNOLOGY, SOLAPUR**
An Autonomous Institute

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(With CGPA 3.32)

Department of Mechanical Engineering

Industrial Visit Report

Date of Visit: 18th April 2025

Place: ST Workshop, Solapur

No. of Students: 25

An industrial visit was organized for the students of the Mechanical Engineering Department to the **ST Workshop, Solapur** on **18th April 2025**. A total of 25 students participated in the visit, accompanied by faculty members from the department. The primary objective of this visit was to bridge the gap between theoretical knowledge and practical applications in the field of automobile maintenance and servicing.

Objectives of the Visit

- To understand the operation and maintenance procedures of State Transport (ST) buses.
- To study the various mechanical systems such as engine overhauling, transmission, suspension, braking used in public transport vehicles.
- To observe the workshop layout and safety practices.
- To interact with experienced workshop technicians and engineers.

Activities During the Visit

- Students were given a guided tour of the **engine assembly and repair section, brake and suspension unit, and Fuel injector calibration unit, Battery unit**.
- Demonstrations were conducted on engine dismantling and repair.
- Students observed the **preventive maintenance schedule** followed for ST buses.
- Real-time examples of fault diagnosis and repair were shown, enhancing the students' problem-solving approach.
- A Q&A session during visit held with workshop supervisors, allowing students to clarify technical doubts.

Learning Outcomes

- Gained insights into the practical aspects of vehicle maintenance and workshop management.

- Understood the working and servicing of diesel engines, particularly in heavy-duty vehicles.
- Learned the importance of safety, systematic workflow, and documentation in industrial settings.

Conclusion

The industrial visit to **ST Workshop, Solapur** proved to be highly informative and beneficial for the mechanical engineering students. It provided them with a deeper understanding of automotive systems and real-world maintenance practices. The department expresses gratitude to the workshop authorities for their cooperation and knowledge sharing.

Photographs



Visit Coordinated by: Prof. T.A. Garande, Prof. A.S. Dhobale, Prof. S.S. Kale