



SOUTH EAST ASIAN EDUCATION TRUST®

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by All India Council for Technical Education (AICTE), New Delhi
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Accredited B++ by NAAC)

Report- Industrial Visit to VST Tractors- Malur

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY
AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY & APPROVED BY ALL INDIA COUNCIL OF TECHNICAL EDUCATION (AICTE)
Ekta Nagar, Near Ayyappanagar Circle, Devasandra Main Road, K.R. Puram, Virgonagar Post, Bangalore - 49.

Department of Agricultural, Civil and Mechanical Engineering
Organizes an
Industrial Visit to VST Tractors, Malur

In association with
IQAC and IIC

Date : 23rd November, 2024

Sri A. Krishnappaji
Founder Chairman
S.E.A Group of Institutions

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

INDUSTRIAL VISITS
EXPERIENTIAL LEARNING





Report on VST Tractors - Industrial Visit.

Company Name: VST Tractors and Tillers Ltd.

Location: Malur – Industrial Area

Date of Visit: 23-11-2024

Participants: List of Students= 34 /Faculties =02

Organized By: S.E.A College of Engineering and Technology

Event Convener - Mr. Kuberagouda.S.B

Assistant Professor- Mechanical Engineering Dept.

S.E.A College of Engineering and Technology.

Introduction

The industrial visit to VST Tractors and Tillers Ltd. was organized to provide practical exposure to the manufacturing and operational processes of agricultural machinery. VST Tractors is a prominent manufacturer of compact tractors and power tillers in India, serving both domestic and international markets. The visit aimed to bridge the gap between theoretical knowledge and industrial practices.

Objective of the Visit

- To understand the design and manufacturing process of tractors and tillers.
- To gain insights into quality control and assembly line operations.
- To learn about innovations in agricultural machinery.
- To understand the company's contribution to sustainable and modern farming practices.

Company Overview

VST Tractors and Tillers Ltd., established in 1967, is a pioneer in compact agricultural machinery. The company specializes in producing small tractors, power tillers, and diesel engines, catering to the needs of small and medium-scale farmers. It is known for its commitment to quality, innovation, and affordability.

Details of the Visit

1. Welcome and Orientation:

The visit began with a warm welcome by the VST team, followed by an introductory session in the conference hall. The session included:

- A brief history of the company.
- An overview of product lines and markets served.
- Insight into the company's vision for agricultural innovation.

2. Manufacturing Units:

The participants were guided through the manufacturing facilities, including:

- **Casting and Forging Section:** Demonstration of raw material preparation and shaping.
- **Machining Section:** Precision engineering processes for critical components.
- **Assembly Line:** Step-by-step explanation of tractor and tiller assembly.
- **Testing Unit:** Testing procedures for quality assurance and performance checks.

3. Technological Advancements:

The team showcased the integration of modern technologies like CAD (Computer-Aided Design), automation, and robotics in their manufacturing process.

4. Interaction with Experts:

Participants had the opportunity to interact with VST engineers and technicians, who provided valuable insights into:

- Market trends in the agricultural sector.
- Challenges in the production of compact machinery.
- Sustainable farming equipment development.

5. Safety and Environmental Standards:

The company's adherence to ISO standards, employee safety measures, and eco-friendly practices were highlighted.

Key Learning's

- The importance of precision and efficiency in manufacturing agricultural machinery.
- Insights into operational workflows, from raw material procurement to finished product delivery.
- Role of R&D in developing cost-effective and energy-efficient machinery.
- Understanding how compact machinery caters to diverse farming needs.

Conclusion

The industrial visit to VST Tractors and Tillers Ltd. was an enriching experience for all participants. It provided a comprehensive understanding of how cutting-edge technologies and innovative practices are transforming the agricultural sector. The visit also emphasized the importance of quality, sustainability, and adaptability in modern manufacturing.

Acknowledgment

We extend our heartfelt gratitude to VST Tractors and Tillers Ltd. for their hospitality and for providing us with this valuable learning opportunity. Special thanks to the management and technical team for their time and efforts in making this visit a success.

Recommendations

- Such industrial visits should be encouraged regularly to provide hands-on learning.
- Future visits could include detailed case studies or workshops on specific topics like R&D or export strategies.

No. of students attended: 34 students from Mechanical, Agricultural and Civil B.E Students.