



SANDIP INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE



An Autonomous Institute Permanently Affiliated to Savitribai Phule Pune University,

Pune, Approved by AICTE, New Delhi and Govt. of Maharashtra

At & Po – Mahirawani, Trimbak Road, Tal & Dist – Nashik

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Accredited with "A" grade by NAAC With CGPA Score of 3.11

NBA Accredited for Computer & Mechanical Engineering(UG Course) w.e.f. 2023-24 to 2025-26

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Department of Management Studies (MBA)

Academic Year 2025-26

Industrial Visit METALMAN AUTO LIMITED

SAMBHAJINAGAR

Name of Industry : - Metal Man Limited (Auto Ancillary and Bike Assembly unit)

Metalman Auto Limited,

Office: +91- 240 -6652444 Ext. 417 / Fax: +91-240-2555906

Plant B-12, MIDC, Waluj, Chh Sambhajinagar (Aurangabad) - 431136, MH,
India

Day & Date : - Saturday 13 Sept 2025

Coordinators

1. Dr Sunetra Jain ,
2. Dr Pravin Kumar Shastri ,
3. Dr H D Kalan
4. Mr Pradip Girhe
5. Prof Tulika Shrivastava

Students Strength : 100 students from II year students Batch 2024-26

About The Visit: -

The visit to Metalman Auto Limited focused on a key manufacturing unit specializing in components for the two-wheeler industry, with confirmed supply relationships with major OEMs like **Bajaj Auto** and **Hero MotoCorp**.

Key Observations:

- **Core Business:** The primary activity observed was the fabrication and assembly of structural parts for two-wheelers, with a clear emphasis on **chassis (frame)** and **tubular components** (like handlebars, stands, swing arms).
- **OEM Supply Chain:** The facility's strategic location and operational structure are designed for Just-In-Time (JIT) supply to nearby two-wheeler manufacturing plants of clients, including Bajaj and Hero. The plant directly addresses the high-volume demand from these leading brands.



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- **Process Technology:** The manufacturing process is highly modernized, featuring significant automation in the welding and fabrication sections. **Robotic welding lines** were prominent, ensuring the precision and strength required for critical safety components like the chassis.
- **Product Quality:** Emphasis was placed on quality assurance for fatigue-critical parts. The output includes finished components ready for the main assembly lines of the OEM clients, complete with in-house metal finishing (e.g., painting or coating).
- **Operational Efficiency:** The speed and consistency of the assembly lines demonstrate a mature and efficient manufacturing system capable of handling the stringent quality and volume requirements of major two-wheeler manufacturers.

Conclusion of Visit: Metalman Auto Two-Wheeler Assembly Unit

The visit concluded with the strong impression that the facility is a **highly automated and critical Tier-1 supplier** in the two-wheeler segment.

The key takeaway is the plant's capability as a **one-stop-shop** for manufacturing complex, safety-critical components, primarily **chassis** and other **structural tubular and sheet metal parts**. The demonstrated use of **robotic welding** and **CNC precision machining** validates its ability to meet the high volume, zero-defect standards required by leading OEMs like Hero and Bajaj.

In summary, this unit successfully blends **advanced manufacturing technology** with **strategic supply chain efficiency** (like Just-In-Time delivery), securing its position as a reliable and high-capacity partner essential to the smooth operation of its major two-wheeler clients. The operation reflects a commitment to quality and scale necessary to support mass production in the competitive Indian automotive market.

They gained practical exposure to manufacturing processes, operations management, technological advancements, quality control measures, safety protocols, and environmentally friendly initiatives. The visit enriched their understanding of their respective specializations and prepared them for future roles in their chosen fields. It also emphasized the importance of environmental sustainability in the manufacturing industry.

Outcome and learnings: -

1. Students gained practical knowledge about manufacturing processes in a real-world setting.
2. They witnessed the application of technological advancements such as automation and robotics in the manufacturing industry.
3. Students developed an awareness of the importance of environmental sustainability through the company's eco-friendly initiatives.



Hand to Hand Learning – Practical Exposure given by **Metal man Team** (S S Deole Vinod Wankhade Sachin Tayde Arunima Mohanty)



Safety Awareness and its Importance session by Safety Head of Metal Man



Token of Appreciation by SITRC to MetalMan Team



Women empowerment at Metal Man around 100 + ladies working at shop floor with skill and capability



The group of SITRC and Staff of Metal man with this we concluded our Industrial Visit.