

(A⊡liated to VTU, Belagavi, Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka)







# Department of Mechanical Engineering

Semester: 2

#### **Industrial Visit**

#### Quarter 4

Activity Name	Industrial visit			
Date of Activity	2 <sup>nd</sup> August 2025			
Mode of Conduct	Physical			
Time	One Day			
Mandatory/ Elective	Mandatory			
Participants	Staff and All students from mechanical department  Total 40 number participants			
Mode of conduct	• Offline			
·	Automotive Axles Limited, established in 1981, is one of India's largest independent manufacturers of rear drive axle assemblies. It is a joint venture between the Kalyani Group (India) and Meritor Inc. (USA), combining global technology with Indian manufacturing excellence. The company primarily caters to the commercial vehicle segment and is known for its world-class production capabilities and adherence to international quality standards. Automotive Axles Limited specializes in the design and manufacture of a wide range of axle systems and related components. Its key products and services include rear and front drive axles, non-drive axles, front steer axles, trailer axles, and disc and drum brakes, as well as specialized axle assemblies for heavy-duty trucks and buses. The company also offers services related to axle			



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customization, assembly, and support for OEMs. With a strong focus on innovation, sustainable practices, and lean manufacturing, Automotive Axles Limited operates under globally recognized quality frameworks and promotes core principles of Total Quality Management, including Kaizen and 5S methodologies, to ensure continuous improvement and customer satisfaction.

#### Outcome:

The industrial visit to Automotive Axles Limited provided a comprehensive and enriching learning experience for the 5th and 7th semester Mechanical Engineering students. The visit successfully bridged the gap between classroom learning and industrial practices by exposing students to real-time manufacturing processes, modern machining techniques, and quality management systems such as Kaizen, 5S, and TQM.

The key outcomes of the visit include:

- Enhanced understanding of CNC machining, friction welding, and heat treatment processes.
- Practical exposure to industrial safety protocols and assembly line operations.
- Awareness of lean manufacturing and quality assurance techniques used in large-scale production.
- Broadened knowledge of the evolution of automotive design and engineering through the museum visit.
- Improved appreciation for the historical, mechanical, and technological aspects of the automobile industry.

Such visits are essential for fostering industry-readiness among students by complementing theoretical knowledge with hands-on exposure. It also motivates them to explore innovative approaches and best practices that are relevant to current industrial trends.



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Industry visit photography







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Student attendance



#### RAJEEV INSTITUTE OF TECHNOLOGY

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#### Department of Mechanical Engineering

List of faculty members and students participated in the industrial visit: List of Faculty Members

SI. No.	Name	Designation	Signature
i	Prof. Hancen P	Assistant Professor	Hammer SP.
2	Prof. Madhusudhan S	Assistant Professor	Hour-
3	Prof. Dharanesh O. 11.	Assistant Professor	$-a\lambda$

#### List of Students

Sl. No. USN		Student Name   Semester Attendance		
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1	4RA23ME001	DEEPAK SN	Y	Desport
2	4RA23ME004	PRUTHVIRAJ IIN	(E/ <b>Y</b> )	TASH)_
3	4RA23ME005	SUNAS NE	, <b>'V</b>	Schost
4	4RA24ME400	BILARATIIKM	y y	Bleventh
5	4RA24ME401	-CHANDUMP	V	Chanduni
6	4RA24ME402	DARSHAN C	/Y (	Dandum
7	4RA24ME403	DEVARAJA SJ.–	. ( <b>V</b>	Dovarai
8	4RA24ME404	KARTIJÍK V 🚞 🖁 🕍	<b>₹</b>	Portice.
9	4RA24ME405	SHIVASWAMYAS	³ V	Stricalwany
10	4RA24ME406	SHREYAS CC	٧	Morrace
11	4RA24ME407	YASHWANTHA CS	ν	4.12
12	4RA24ME408	YATHISHA HS	v	Yalkisto 11
13	4RA21ME002	AHMED ABOUL SATTAR	VII	Catton
14	4RA22ME001	ARUN KUMAR C M	VII	Mushem
.15	4RA22ME002	KARTHIK P	Vii	Lindlis
16	4RA22ME003	PRITHAM S	VII	Quel-
17	4RA22ME004	RUSHITH N M	VII	BUL
18	4RA22ME005	SURYA D	VII	Vacar
19	4RA23ME100	ABHISHEK J R	VII	Abbel
20	4RA23ME401	AKASH II Y	VII	seek
21	4RA23ME402	ANEES KAMRAN	VII	And

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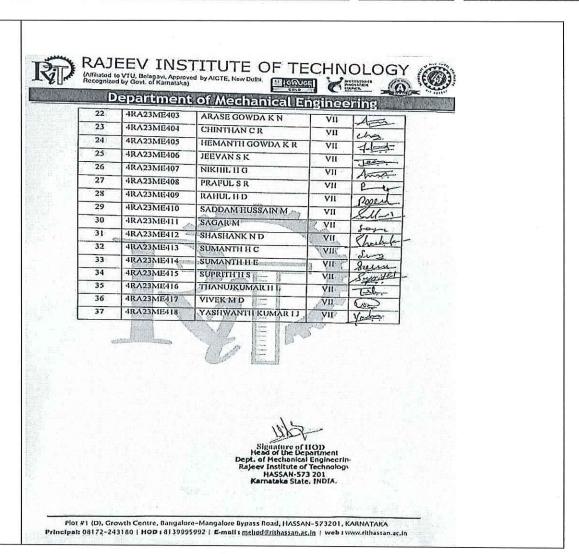
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### Department of Mechanical Engineering



Signature of Hechanical Engineering
HASSAN-573 201
Karnataka State, JNDIA.

Dr.Sahana C. P.

Dr. Prashantha S. J.

Dr. Mahesh P. K.

**IIC Vice President** 

**IIC President** 

Principal<sub>cipal</sub>
Rajeev Institute of Technology

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