



## 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/<br>Elective    | Mandatory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Participants              | <ul style="list-style-type: none"><li>Staff and All students from mechanical department</li></ul> Total 40 number participants                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Mode of conduct           | <ul style="list-style-type: none"><li>Offline</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Description about company | 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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## Department of Mechanical Engineering

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Outcome:</b> | <p>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.</p> <p>The key outcomes of the visit include:</p> <ul style="list-style-type: none"><li>• Enhanced understanding of CNC machining, friction welding, and heat treatment processes.</li><li>• Practical exposure to industrial safety protocols and assembly line operations.</li><li>• Awareness of lean manufacturing and quality assurance techniques used in large-scale production.</li><li>• Broadened knowledge of the evolution of automotive design and engineering through the museum visit.</li><li>• Improved appreciation for the historical, mechanical, and technological aspects of the automobile industry.</li></ul> <p>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.</p> |



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Industry visit  
photography



**Mysuru, Karnataka, India**

No 32, Hootagalli Industrial Area, Opposite  
Automotive Axles Limited, Mysuru, Karnataka  
570018, India

Lat 12.350117° Long 76.579492°

02/08/2025 12:03 PM GMT +05:30

OPS Map Came



## Department of Mechanical Engineering

Student  
attendance



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## Department of Mechanical Engineering

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

List of Faculty Members

| Sl. No. | Name                  | Designation         | Signature |
|---------|-----------------------|---------------------|-----------|
| 1       | Prof. Hanoo P         | Assistant Professor |           |
| 2       | Prof. Madhusudhan S   | Assistant Professor |           |
| 3       | Prof. Dhananesh O. H. | Assistant Professor |           |

List of Students

| Sl. No. | USN        | Student Name       | Semester | Attendance |
|---------|------------|--------------------|----------|------------|
| 1       | 4RA23ME001 | DEEPAK SN          | V        |            |
| 2       | 4RA23ME004 | PRUTHVIRAJ IIN     | V        |            |
| 3       | 4RA23ME005 | SUHAS HE           | V        |            |
| 4       | 4RA24ME400 | DIHARATI KM        | V        |            |
| 5       | 4RA24ME401 | CHANDU MP          | V        |            |
| 6       | 4RA24ME402 | DARSHAN C          | V        |            |
| 7       | 4RA24ME403 | DEVARAJA SJ        | V        |            |
| 8       | 4RA24ME404 | KARTHIK V          | V        |            |
| 9       | 4RA24ME405 | SHIVASWAMY AS      | V        |            |
| 10      | 4RA24ME406 | SUREYAS CC         | V        |            |
| 11      | 4RA24ME407 | YASHTIWANTHA GS    | V        |            |
| 12      | 4RA24ME408 | YATHISHA HS        | V        |            |
| 13      | 4RA21ME002 | AHMED ABDUL SATTAR | VII      |            |
| 14      | 4RA22ME001 | ARUN KUMAR C M     | VII      |            |
| 15      | 4RA22ME002 | KARTHIK P          | VII      |            |
| 16      | 4RA22ME003 | PRITHAM S          | VII      |            |
| 17      | 4RA22ME004 | RUSHITH N M        | VII      |            |
| 18      | 4RA22ME005 | SURYA D            | VII      |            |
| 19      | 4RA23ME400 | ABHISHEK J R       | VII      |            |
| 20      | 4RA23ME401 | AKASH H Y          | VII      |            |
| 21      | 4RA23ME402 | ANEES KAMRAN       | VII      |            |

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|    |            |                      |     |  |
|----|------------|----------------------|-----|--|
| 22 | 4RA23ME403 | ARASE GOWDA K N      | VII |  |
| 23 | 4RA23ME404 | CHINTHAN C R         | VII |  |
| 24 | 4RA23ME405 | HEMANTH GOWDA K R    | VII |  |
| 25 | 4RA23ME406 | JEEVAN S K           | VII |  |
| 26 | 4RA23ME407 | NIKHIL H G           | VII |  |
| 27 | 4RA23ME408 | PRAFUL S R           | VII |  |
| 28 | 4RA23ME409 | RAHUL H D            | VII |  |
| 29 | 4RA23ME410 | SADDAM HUSSAIN M     | VII |  |
| 30 | 4RA23ME411 | SAGAR M              | VII |  |
| 31 | 4RA23ME412 | SHASHANK N D         | VII |  |
| 32 | 4RA23ME413 | SUMANTH H C          | VII |  |
| 33 | 4RA23ME414 | SUMANTH H E          | VII |  |
| 34 | 4RA23ME415 | SUPRITH H S          | VII |  |
| 35 | 4RA23ME416 | THANUJ KUMAR H D     | VII |  |
| 36 | 4RA23ME417 | VIVEK M D            | VII |  |
| 37 | 4RA23ME418 | YASHIWANTH KUMAR H J | VII |  |

Signature of HOD  
Head of the Department  
Dept. of Mechanical Engineering  
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HASSAN-573 201  
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Dr. Sahana C. P.

IIC Vice President

Dr. Prashantha S. J.

IIC President

Head of the Department  
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Dr. Mahesh P. K.

Principal  
Principal  
Rajeev Institute of Technology

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