



SAKTHI POLYTECHNIC COLLEGE, Sakthinagar

DEPARTMENT OF MECHANICAL ENGINEERING

DETAILS OF VISIT : 2024-2025

EVEN SEMESTER



S.No.	DATE	NAME OF THE PLACE / INDUSTRY	SEC	No. of students
1	01.02.2025	Sakthi Auto Component Limited, Pallagoundenpalayam	II-A & B	70
2	28.01.2025	Palampalayam Hills, Thalavaipettai, Erode	II-A & B	70
3	13.02.2025	Road Safety, Bhavani	II-A&B III-A&B	151

HoD i/c

Principal



# SAKTHIPOLYTECHNICCOLLEGE

SAKTHI NAGAR-638 315

Academic Year: 2024-2025 (EVEN SEM)

## DEPARTMENT OF MECHANICAL ENGINEERING

### Report



#### **1. Industrial Visit:**

Our second-year Mechanical Engineering students had an insightful and educational visit to Sakthi Auto Component Limited, located in Pallagoundenpalayam, on 1st February 2025. This visit provided a valuable opportunity for students to witness the application of engineering principles in the automotive manufacturing sector.

The day began with an engaging presentation about the company's history, products, and the role of mechanical engineers in their operations. Students learned about Sakthi Auto's commitment to quality, innovation, and sustainability in the automotive industry.

During the plant tour, students observed the various manufacturing processes used in the production of high-quality automotive components. They were particularly impressed with the precision machinery, automated assembly lines, and the application of cutting-edge technology in producing components for leading automobile manufacturers. The tour highlighted the importance of teamwork, safety protocols, and efficient resource management in the manufacturing environment.

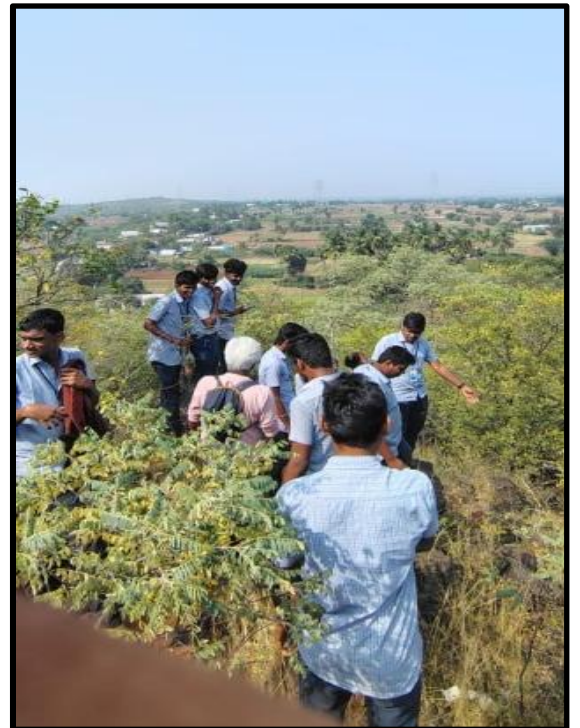
Our students also had the chance to interact with engineers at the facility, asking questions related to the challenges they face in design, production, and quality control. These interactions were immensely beneficial in bridging the gap between theoretical learning and real-world applications.



**2. Health & Wellness:** Our Former professor **Mr.S.D.Krishnakumar** organized a memorable **Hiking trip** for the second-year students of the Mechanical Department.

On January 28th, 2025, a group of Second year mechanical students, guided by Mr. Krishnakumar, embarked on a journey to the Palampalayam Hills, Thalavaipettai, Erode Dst. The experience was both enriching and refreshing, allowing the students to connect with nature while strengthening bonds with their peers.

Mr. Krishnakumar's initiative to arrange this hiking trip was a wonderful opportunity for students to unwind and engage in physical activity while also gaining valuable lessons in teamwork, leadership, and perseverance. The scenic beauty of Palampalayam Hills and the challenges of the hike offered the perfect environment for students to learn the importance of discipline, collaboration, and determination values that extend far beyond the classroom.



### 3. Road Safety:

On 13th February 2025, the Mechanical Engineering Department hosted an insightful and impactful Road Safety Program aimed at raising awareness about the importance of safe road practices and reducing traffic-related accidents. The event, which took place at the Bhavani, was attended by students, faculty members, and local community representatives.

The program featured expert talks from traffic safety professionals, local police officers, in transportation and road safety. The speakers highlighted various aspects of road safety, including the proper use of traffic signals, the dangers of distracted driving, the significance of wearing seat belts, and the importance of adhering to speed limits.

A key focus of the program was educating attendees on the role of engineering in improving road safety. Various innovative technologies, such as intelligent traffic systems, vehicle safety features, and advancements in road infrastructure, were discussed. Additionally, interactive sessions allowed participants to engage with the speakers and discuss ways to enhance road safety in their communities.

The Mechanical Engineering Department emphasized its commitment to contributing to public safety, integrating engineering principles with practical solutions to address road-related challenges. The program concluded with a call to action for everyone to be more responsible road users and to continue promoting safe driving practices.

This event was a significant step toward fostering a safer driving environment and reinforcing the role of education and awareness in preventing road accidents.





# SAKTHI POLYTECHNIC COLLEGE

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## DEPARTMENT OF MECHANICAL ENGINEERING

### DETAILS OF INDUSTRIAL VISIT - 2024-2025

#### II YEAR / III SEM [ODD]

S.No.	DATE	NAME OF THE INDUSTRY	SEC	No. of students
1.	06.09.2024	Sendhur Hydraulics, 6/125 F, P.N. Road, Near Government Girls Higher Secondary School, Kunnathur, Tirupur-638 103.	A	34
2.	06.09.2024	Sendhur Hydraulics, 6/125 F, P.N. Road, Near Government Girls Higher Secondary School, Kunnathur, Tirupur-638 103.	B	36
3.	14.09.2024	Coral Manufacturing India Pvt. Ltd., Madathupalayam Pirivu, Anandampalayam (post), Modakurichi, Erode, Tamil Nadu 638104	A	34
4.	26.09.2024	Mettur Thermal Power Station, Mettur Dam-636 406	B	36
5.	27.09.2024	Mettur Thermal Power Station, Mettur Dam-636 406	A	34
6.	28.09.2024	Coral Manufacturing India Pvt. Ltd., Madathupalayam Pirivu, Anandampalayam (post), Modakurichi, Erode, Tamil Nadu 638104	B	36



**SAKTHI POLYTECHNIC COLLEGE**

**SAKTHI NAGAR-638 315**

**Academic Year: 2024-2025(Odd Sem)**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**II-Year-Industrial Visit Report**



**1. Sendhur Hydraulics, Kunnathur, Tirupur-638 103.**

**Date of Visit: 06.09.2024 (II-A & B, Number of Students-70)**

The primary aim of the industrial visit to Sendhur Hydraulics was to provide students with practical insights into hydraulic systems, enhance their understanding of manufacturing processes, and bridge the gap between theoretical knowledge and real-world applications.

**Key Learning's:**

**Practical Understanding:** Enhanced knowledge of hydraulic systems and their applications across various industries.

**Manufacturing Insights:** Gained firsthand experience of the manufacturing processes, emphasizing precision and quality control.

**Industry Awareness:** Acquired awareness of industry trends and technological advancements in hydraulic systems.

**2. Coral Manufacturing India Pvt. Ltd., Modakurichi, Erode, Tamil Nadu 638104.**

**Date of Visit: 14.09.2024(II-A, Number of Students-34)**

**28.09.2024(II-B, Number of Students-36)**

The purpose of the visit to Coral Manufacturing India Pvt. Ltd. was to provide students with practical insights into the assembly process of windmill generators, understand renewable energy technologies, and explore the operational practices of a leading manufacturing firm.

**Key Learning's:**

**Assembly Process:** Gained practical knowledge of the assembly procedures specific to windmill generators, including the intricacies of each component.

**Renewable Energy Insights:** Developed an understanding of the operational mechanisms behind wind energy and its significance in the global energy landscape.

**Quality Assurance:** Recognized the critical role of quality control in manufacturing renewable energy systems.

### **3. Mettur Thermal Power Station, Mettur Dam-636 406.**

**Date of Visit: 26.09.2024 (II-B, Number of Students-36)**

**27.09.2024 (II-A, Number of Students-34)**

The industrial visit to Mettur Thermal Power Station (MTPS) provides students with a practical understanding of power generation, industrial operations, and environmental management. This visit aims to bridge theoretical knowledge with real-world applications in the energy sector.

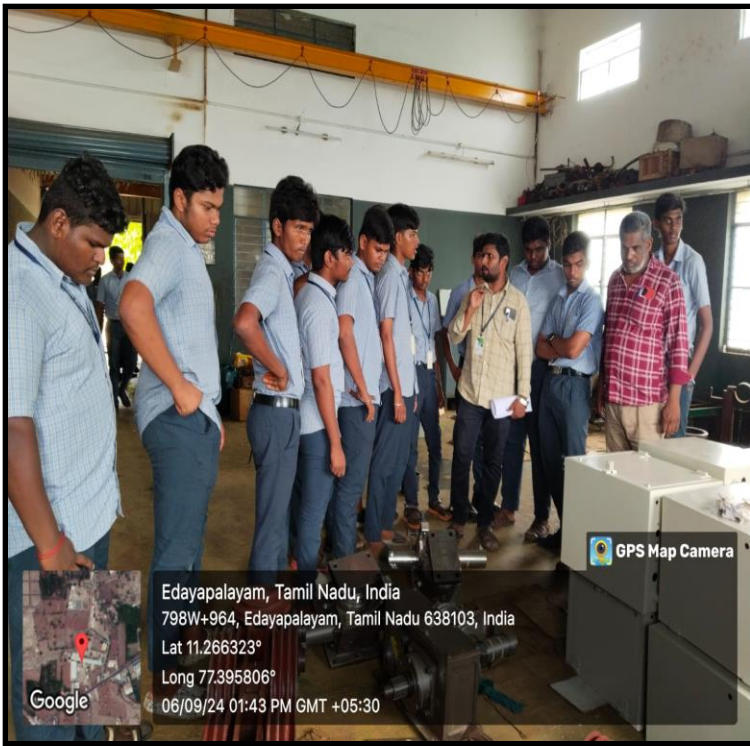
#### **Key Learning's:**

**Educational Exposure:** To familiarize students with thermal power generation processes and technologies.

**Industry Insight:** To understand the operational challenges and innovations in the energy sector.

**Career Awareness:** To inspire students about career opportunities in energy and industrial fields.





# Industrial Visit - II Year B-Sec - 26.09.2024



 GPS Map Camera



Google

Salem, Tamil Nadu, India  
QRC6+R5W MTPS Main Gate, Tamil Nadu 636406, India  
Lat 11.772036°  
Long 77.810184°  
26/09/24 12:27 PM GMT +05:30

# Industrial Visit - II Year A Sec - 27.09.2024

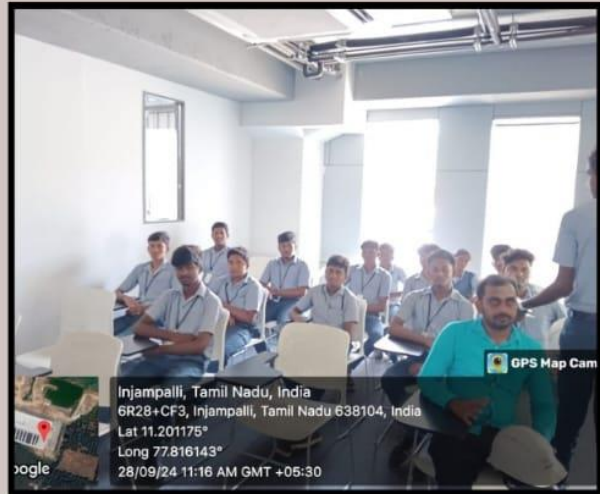


 GPS Map Camera



Google

Salem, Tamil Nadu, India  
QRC6+R5W MTPS Main Gate, Tamil Nadu 636406, India  
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27/09/24 12:45 PM GMT +05:30



Injampalli, Tamil Nadu, India  
6R28+CF3, Injampalli, Tamil Nadu 638104, India  
Lat 11.201175°  
Long 77.816143°  
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GPS Map Camera



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6R28+CF3, Injampalli, Tamil Nadu 638104, India  
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Long 77.816126°  
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6R28+CF3, Injampalli, Tamil Nadu 638104, India  
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Long 77.816139°  
28/09/24 12:26 PM GMT +05:30

# Industrial Visit - II year B Sec 28.9.2024

Coral Manufacturing Works India  
pvt.Ltd., Modakurichi





# SAKTHI POLYTECHNIC COLLEGE

Sakthinagar-638 315



## DEPARTMENT OF MECHANICAL ENGINEERING

### DETAILS OF INDUSTRIAL VISIT - 2024-2025

#### III YEAR / V SEM [ODD]

S.No.	DATE	NAME OF THE INDUSTRY	SEC	No. of students
1.	30.08.2024	Sri Dhandayuthapani Workshop, 24-Kunnathur Road, Tripur	A	40
2.	30.08.2024	Sri Dhandayuthapani Workshop, 24-Kunnathur Road, Tripur	B	41
3.	14.09.2024	Athav Hydraulics, Gobi Rd, Kunnathur, Tamil Nadu 638103	A	40



**SAKTHI POLYTECHNIC COLLEGE**

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**Academic Year: 2024-2025 (Odd Sem)**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**III-Year- Industrial Visit Report**



**1. Sri Dhandayuthapani Workshop, 24-Kunnathur Road, Tripur**

**Date of Visit: 30.08.2024 (III-A & B, Number of Students-81)**

The primary aim of the visit to Sri Dhandayuthapani Workshop was to provide students with hands-on experience and insights into traditional and modern manufacturing techniques, particularly in the context of engineering and craftsmanship.

**Key Learning's:**

**Understanding of Manufacturing Techniques:** Gained practical knowledge of various machining and fabrication processes used in the workshop.

**Integration of Tradition and Technology:** Learned about the balance between traditional craftsmanship and modern manufacturing technologies.

**Career Insights:** Developed an understanding of the diverse career paths available in the engineering and manufacturing sectors.

**2. Athav Hydraulics, Gobi Rd, Kunnathur**

**Date of Visit: 14.09.2024 (III-A, Number of Students-40)**

The primary objective of the visit to Athav Hydraulics was to provide students with a comprehensive understanding of hydraulic systems, their applications, and the manufacturing processes involved in producing hydraulic components.

**Key Learning's:**

**Understanding Hydraulic Systems:** Gained valuable insights into the operation and application of hydraulic systems in various sectors.

**Manufacturing Techniques:** Observed the processes involved in manufacturing hydraulic components, emphasizing precision and quality control.

**Industry Trends:** Developed awareness of current trends and innovations in the hydraulic industry, including automation and eco-friendly practices.



218/2, Velavan Complex, Near Girls higher secondary school Perumanallur, Road, Kunnathur, Edayapalayam, Tamil Nadu 638103, India

*Industrial Visit*



Moments With III Year B Sec

On 30.08.2024 Friday



## INDUSTRIAL VISIT ON 30.08.2024





# Industrial Visit - Athav Hydraulics

Mechanical/3 Year/5 Sem/A Sec/ 14.9.24



HOD i/c

Principal