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**SRI CHANDRASEKHARENDRA SARASWATHI  
VISWA MAHA VIDYALAYA  
SCSVMV**

(Deemed to be University U/S 3 of UGC Act 1956)  
Accredited with “A” Grade by NAAC

**DEPARTMENT OF ELECTRONICS AND  
INSTRUMENTATION ENGINEERING**



**INDUSTRIAL VISIT REPORT  
HYUNDAI MOTOR INDIA LTD**

**Visit  
On  
12.02.2024**



16/02/2024

## **EIE dept. Industrial Visit Report: Hyundai Motors**

### **Sub: Submission of Detailed Report –Industrial Visit**

### **Reg: With reference to IOC F/SCSVMV/REG/2023-24/IOC-210 dated 08/02/2024**

On February 12, 2024, students from Mechatronics Engineering, and Mechanical Engineering of Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya (SCSVMV) embarked on an industrial visit to Hyundai Motors located in Sriperumbudur. India's Second largest Car Manufacturer. The visit provided students with valuable insights into the operations and processes involved in automotive manufacturing. Mr. Harish Murali, a representative from Hyundai Motors, commenced the visit with an introductory speech, elaborating on the plant's operations since its inception in 1996.

#### **➤ Operations Overview:**

The Hyundai Motors plant at Sriperambathur encompasses various operations essential for the production of automotive vehicles. The visit highlighted several key stages in the manufacturing process:

#### **1. Body Shop:**

In the Body Shop, fundamental structures and body parts, including doors and floors, are manufactured for different vehicle models.

#### **2. Paint Shop:**

The Paint Shop applies non-toxic paint to the vehicles, ensuring a durable and aesthetically pleasing finish.

#### **3. Engine and Transmission Shop:**

This stage involves the installation of both diesel and petrol engines onto the vehicles. The Aluminum Foundry conducts manual and digital monitoring to ensure precision and quality.

#### **4. Assembly Shop:**

In the Assembly Shop, intricate tasks such as internal wiring, seat installation, and dashboard fitting are carried out. Remarkably, every 33 seconds, a complete vehicle emerges from this stage.

#### **5. Testing and Pre-Delivery Inspection:**

Quality, durability, and safety checks are performed in this stage. The vehicles undergo testing across 18 different types of road surfaces to assess tire performance and overall vehicle quality.

### **SUSTAINABILITY INITIATIVES:**

Hyundai Motors' commitment to sustainability was evident during the visit:



**Roof-Top Solar Plant:** The plant features a rooftop solar installation, demonstrating Hyundai's dedication to renewable energy.

**Water Pond:** A water pond on-site stores water, ensuring the plant's resilience during periods of water scarcity, with a capacity exceeding 120 days.

**Technological Insights:**

The students had the opportunity to observe advanced robotics in action, particularly in the precise timing functions involved in engine and body part installation. This exposure provided valuable insights into the integration of technology in modern manufacturing processes.

**Staff List**

S.No	Name of Faculty	Designation
1	Dr.Janani.R	Assistant Professor
2	Dr.K.Saraswathi	Assistant Professor
3	Dr.T.Sundar	Assistant Professor
4	Dr.K.Sugapriya	Assistant Professor
5	G.Subramaniyan	Sr.Lab Instructor
6	Dr.R.Ellapan	Assistant Professor
7	Mrs.P.Punitha	Assistant Professor

**Students List**

S.No	Register Number	Name of the Student
1	11229H001	N.Tirumala Hardik Srivatsa
2	11229H002	Sudhan.G
3	11229H003	Koushik Bharadwaj Vishnubhotla
4	11219H001	P Anantha Padmanabban
5	11219H002	Chittaluri Sai Phanichandra
6	11219H003	Dhullipalla Datta Sai
7	11219H004	Sri Sai Shravani Voleti
8	11209H001	Raghul .V
9	11209K001	Balagam Devi Sree Sharan
10	11209K003	K.Srilekha
11	11209K004	S.Prabhakaran
12	11219K001	Mulumudi Vinayaka Venkata Varun
13	11229K001	Bestharalli Kakaraparthi Naga Sai
14	11229D001	Kalai Selvan Akshaya
15	11229D004	Tharun Diyanesh R
16	11219D001	Dommaraju Charan
17	11219D002	Nagarampalli Vasant Arunachalam
18	11219D003	R Vaidhya
19	11219D004	Saravana Prakash P
20	11219D005	P.V. Gopala Bharadwaj
21	11229B001	K. Manoj Reddy



### INDUSTRIAL VISIT HYUNDAI PHOTO



#### **Conclusion:**

The industrial visit to Hyundai Motors, Sriperambathur, was an enriching experience for the students of SCSVMV. It provided them with firsthand knowledge of automotive manufacturing processes and exposed them to industry-leading sustainability initiatives and technological advancements. The visit would not have been possible without the support and permission granted by the SCSVMV management. Such visits play a crucial role in bridging the gap between theoretical knowledge and practical application, thereby enhancing students' understanding of industrial operations.

We extend our sincere gratitude to Hyundai Motors for hosting us and providing valuable insights into their operations. Special thanks to Mr. Harish Murali for his informative introductory speech and guidance throughout the visit. Additionally, we appreciate the support of the SCSVMV management in facilitating this educational opportunity for the students.