



BVRIT HYDERABAD
College of Engineering for Women
Bachupally, Hyderabad – 500090
(Approved by AICTE, Affiliated to JNTUH)
(Accredited by NBA – EEE, ECE, CSE & IT and NAAC with ‘A’ Grade)

Report on Industrial visit to Mahindra & Mahindra Automobile Company

Date: 11/07/2024

On 10th July 2024, a group comprising 57 students and 2 teaching faculty members, Mr.R.Guruswamy and Ms.K.Bhavya along with 2 non-teaching faculty members Mr.P.N.Ramulu and Mr.T.Ravi Kumar embarked on an educational journey to Mahindra and

Mahindra Automobile Company, located in Zaheerabad. The purpose of the visit was to provide students with practical insights into the assembly processes of trucks and electric vehicles (EVs), aligning with their academic curriculum in automotive engineering. Upon arrival, we were warmly welcomed by the company representatives who guided us through the facilities. The visit commenced with a comprehensive tour of the assembly lines where trucks and EVs were being manufactured. This firsthand experience allowed students to witness the intricate stages of production, including welding, component assembly, painting,

and quality control checks. A significant highlight of the visit was the emphasis on technological advancements within the automotive industry. Mahindra and Mahindra showcased their cutting-edge technologies and automated systems, which play a pivotal role in ensuring precision and efficiency throughout the manufacturing process. Students were particularly fascinated by the robotic arms used for heavy component handling and the advanced machinery employed in painting and finishing.

The visit also included a dedicated segment focusing on the assembly of electric vehicles. Students gained valuable insights into the unique challenges and innovations associated with EV manufacturing, such as battery integration, electric drivetrain assembly, and specialized testing procedures. This aspect of the tour underscored the company's commitment to sustainable automotive solutions and the future of electric mobility. Throughout the visit, students had the opportunity to interact closely with engineers and technical staff who generously shared their expertise and answered queries related to the production techniques and career prospects in the automotive sector. These interactions not only enriched the students' understanding but also inspired them to consider future roles within the industry. Furthermore, Mahindra and Mahindra's emphasis on quality control and safety measures left a lasting impression. Students observed firsthand how stringent quality checks are conducted to ensure the reliability and safety of the vehicles rolling off the assembly lines. This aspect underscored the company's commitment to delivering products of

the highest standards to their customers. In conclusion, the industrial visit to Mahindra and Mahindra Automobile Company was an enriching and educational experience for both students and faculty members alike.

It provided a practical complement to the theoretical knowledge gained in classrooms and equipped students with valuable insights into the latest advancements in automotive manufacturing, particularly in the domains of truck and electric vehicle production. The visit not only broadened their perspectives but also inspired them to envision future careers in the dynamic and evolving field of automotive engineering. We extend our sincere gratitude to Mahindra and Mahindra for their warm hospitality and for facilitating a memorable and insightful visit. Special thanks are also due to our faculty members whose coordination and support were instrumental in ensuring the success of this educational endeavor.



Dr. Bhargava

Faculty-Incharge

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HoD – EEE