A Report on Industrial Visit to "Samvardhana Motherson Reydel Companies (SMRC), Tamil Nadu, India". Organized by Department of Computer Science & Engineering on 15.05.2026

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Total no. of Participants: 43

Mode of Conduct: Offline

Report Received on 22.05.2026.

A one-day industrial visit to the **Samvardhana Motherson Reydel Companies (SMRC)** was organized for First Year B. Tech (CSE) students on 15th May 2026. The group departed from the college at 4:30 AM by bus and arrived at SMRC at 10:30 AM. The students along with faculty members visited the **Samvardhana Motherson Reydel Companies (SMRC)** facilities between 10:30 AM to 2 PM.

ABOUT SMRC

Samvardhana Motherson Reydel Companies (SMRC) is a global leader in automotive interior systems and modules. The company supplies innovative interior solutions to several automobile manufacturers.

Major Products

- Cockpit Modules
- Instrument Panels
- Door Panels
- Console Modules
- Decorative Interior Parts

These products enhance vehicle functionality, aesthetics, safety, and passenger comfort.

PLACES VISITED IN SMRC

1. Cockpit Modules by SMRC

The cockpit module is the central interior assembly of a vehicle that integrates several functional components into a single unit. It includes the dashboard structure, steering support, HVAC ducts, glove box, and electronic mounting systems. During the industrial visit, we observed how these modules are manufactured using advanced injection molding and assembly processes. The company emphasized the importance of ergonomics, safety, and lightweight design in cockpit development. These modules help automobile manufacturers reduce assembly time while improving vehicle performance and driver comfort.

2. SMRC Instrument Panels

The instrument panel is an important component that provides drivers with essential vehicle information and controls. It houses the speedometer, fuel gauge, warning indicators, infotainment system, and air vents. During the visit, we learned about the molding, finishing, and assembly processes used to manufacture high-quality instrument panels. Special attention

is given to durability, aesthetics, and safety standards. The panel is designed to provide clear visibility and easy access to controls, enhancing the overall driving experience.

3. SMRC Door Panels

Door panels are interior trim components installed on vehicle doors to improve appearance, comfort, and functionality. They consist of armrests, storage pockets, speaker covers, switch panels, and decorative materials. During the visit, we observed how plastic molding, foam integration, and fabric wrapping techniques are used in their production. The company performs various quality tests to ensure proper fit, durability, and surface finish. Door panels also contribute to noise reduction and passenger safety while enhancing the vehicle's interior aesthetics.

4. SMRC Console Modules

Console modules are located between the driver and passenger seats and serve as a multifunctional control and storage area. These modules include cup holders, storage compartments, gear shift housings, charging ports, and control switches. During the industrial visit, we learned about the design and assembly processes involved in manufacturing these components. The modules are carefully engineered to provide convenience, accessibility, and efficient use of cabin space. They play a significant role in improving the comfort and functionality of modern vehicles.

5. SMRC Decorative Parts

Decorative parts are used to enhance the visual appeal and premium feel of a vehicle's interior. These components include wood-grain trims, metallic finishes, piano-black panels, chrome accents, and other decorative elements. During the visit, the company demonstrated various finishing technologies such as painting, coating, film lamination, and laser etching. These processes ensure attractive appearance, color consistency, and scratch resistance. Decorative parts help manufacturers create unique interior designs and improve customer satisfaction by providing a refined and stylish cabin environment.

Conclusion

The industrial visit to Samvardhana Motherson Reydel Companies (SMRC) was highly informative and educational. It provided practical exposure to the manufacturing of automotive interior systems such as Cockpit Modules, Instrument Panels, Door Panels, Console Modules, and Decorative Parts. Students observed how advanced manufacturing technologies, quality assurance systems, and safety practices are integrated to produce high-quality automotive components. The visit helped bridge the gap between theoretical knowledge and industrial applications, offering valuable insights into modern automobile manufacturing and preparing students for future careers in engineering and industry.