

Visit to Renewable Energy Research Institute (SPRERI), Vallabh Vidyanagar, Gujarat

The Mechanical Engineering Department of Vishwakarma Government Engineering College organized a visit on 25th February 2026 to Sardar Patel Renewable Energy Research Institute (SPRERI) located in Vallabh Vidyanagar, Gujarat. The visit was arranged to provide students with exposure to innovative technologies and research activities in the field of renewable energy. SPRERI is a leading research institute working on the development of sustainable energy solutions such as biomass energy systems, biofuels, solar energy technologies, and energy-efficient devices. The visit offered valuable insights into real-world engineering practices and advancements in the field of renewable energy. 57 students of semester 6 participated in the event.

During the visit, students were introduced to various laboratories and demonstration units where innovative renewable energy technologies are developed and tested. Experts from the institute explained ongoing research projects and highlighted how these technologies are converted into practical applications for industries and rural development. The visit also helped students understand the importance of innovation, product development, and technology transfer in the renewable energy sector. Such exposure plays an important role in motivating students to think about innovative solutions and startup opportunities in the field of clean and sustainable energy. The visit provided valuable practical knowledge beyond classroom learning and helped students understand the role of research institutions in promoting innovation and entrepreneurship.

Learning Outcomes

1. Students understood the practical implementation of renewable energy technologies such as biomass, biofuels, and solar energy systems.
2. Students gained awareness about innovation-driven research and development activities in the renewable energy sector.
3. Students learned how research outcomes can be converted into products, technologies, and potential startup opportunities.
4. The visit motivated students to explore innovative ideas and entrepreneurial opportunities in sustainable energy technologies.