

**A REPORT ON INDUSTRIAL VISIT**

**TO**

**RAVANDS PLASTECH PRIVATE LIMITED**

**on**

**20/12/2021**

for the

STUDENTS OF III B.TECH, I SEMESTER,  
C SECTION, MECHANICAL ENGINEERING



**DEPARTMENT OF MECHANICAL ENGINEERING**

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
**(AUTONOMOUS)**

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Following is the report on industrial visit to Ravands Plastech Private Limited on 20/12/2021.

There were a total of 57 students and 2 Staff members for the Industrial visit. The students started their journey at 1:30 pm from the main gate of college. Before the start of the bus, the students were given clear cut instructions with respect to travel, safety and other issues. The students were made to sit comfortably in the bus. The students reached M/s.Ravands Plastech, Puthalapattu, Chittoor by 2.30 pm. The HR department people of Ravands Plastech gave instructions regarding the safety procedures to be strictly followed in the plant and explained the working and administration of various departments in Ravands plastech Private Limited, puthalapattu, Chittoor-517124 A.P. India.

Ravands Plastech manufactures Thermoplastic Ball valves,Throttle valves, Non Return valves, Foot valves, Butterfly valves & Filters. The company is located at Puthalapattu, near Tirupati - the holy abode of the almighty Lord Venkateswara. The place is bestowed with a serene atmosphere with vast tracts of Mango garden greenery dotting the region.Ravands Plastech is leading supplier of above products for Micro Irrigation in India.The Company's manufacturing facility is spread over a spacious area with state-of-the art plastic processing equipment like CNC Plastic injection molding machinery, machining centres, and testing equipments. A well-managed quality assurance department ensures the testing of raw materials to finished products.

The students were shown the Non return Valves Manufacturing process step by step. Also the functioning and operation of plastic injection moulding machine, verticle milling machine and testing equipment were explained to the students. Everthing was seen to be automatic inside the factory.

They explained to the students about the manufacturing process of various valves that are used by the farmers in drip irrigation, working of injection moulding



machines, assembling machines and plastic crushers and also about quality control processes that they are adopted. They also explained to the students about the benefits and applications of products they were manufacturing. They said that the valves they are manufacturing have High chemical Resistance, good thermal stability, low thermal conductivity, Abrasion resistance and long service life.

**Fig.2 Staff and students of SVEC at Entrance of Ravands Plastech**

### Impact of INDUSTRIAL VISIT

- The industry exposure helps a lot in personality development of the students. They are also exposed to industry culture and learnt to communicate with their industry mentors and perform tasks assigned within the given time frame in an

industrial setting. The change in their personality is evident when they come back from the industry. They are more confident and more articulate.

- Some students get their final year major project ideas from their training. They continue to be in touch with their industry mentor.
- With the exposure of industry and its practices to the students, the attainment of POs and PSOs becoming more relevant. The PEOs set as Learning outcomes, Employability and Entrepreneurship are achieved better with industry institute interaction.
- Student feedback is collected at the end of academic year and efforts will be made to have sustained industry interaction.