

A REPORT ON INDUSTRIAL VISIT

TO

RAVANDS PLASTECH
Puthalapattu, Chittoor - 517 124,
Andhra Pradesh. India.

On

20/10/2022

BY

STUDENTS OF

(IV B.TECH, I SEMESTER, B-SECTION,
MECHANICAL ENGINEERING)



DEPARTMENT OF MECHANICAL ENGINEERING
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, Tirupati - 517 102, A.P.

Industrial Visit to Ravands Plastech, Puthalapattu, Chittoor, Andhra Pradesh, India.

Organising unit/agency/collaborating agency	Dept. of Mechanical Engineering of Sree Vidyanikethan Engineering College.
No of Students/volunteers Participated	61
No of Faculty Coordinators involved	02
Name of the Scheme	Industrial Visit
Date	20.10.2022
Venue	Ravands Plastech, Puthalapattu, Chittoor

Objective of Industrial visit:

Industrial visit is a part of the Education, during which students visit companies and get insight of on the internal working environment of the company. The industrial visit also provides an insight on how companies work and also useful information related to the practical aspects of the course which cannot be visualized in lectures.

So, the Department of Mechanical Engineering organized a visit to Ravands Plastech, Puthalapattu, Chittoor, Dr. P. Prakash and Dr, T. Hariprasad coordinated the visit. A total of 61 number of students are visited the company to enhance their knowledge. The founder of the company is Mr. Damodar Duttuluri welcomed us at the Ravands Plastech and gave brief description about the organization and interacted with the students. Arranged Four Engineers of the company to guide us and they all shown different equipment and quality checks they use to follow.

Company Profile:

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.

WORLD-CLASS FACILITIES at the company:

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. Process capabilities of various processes are monitored periodically to ensure the conformity of quality standards. 100% testing program is performed on every Valve for rated pressures. Ravands Plastech is Certified for ISO 9001-2000 by NVT Quality for design, manufacture and supply of Thermoplastic Valves. Also Ravands Plastech is certified for Zero Defect -Zero Effect(ZED)-Gold Rating by Ministry of MSME & Quality Council of India.

They also told us about the safety procedures to be followed in the industry premises. They strictly told us not to touch anything without their permission. As all the equipment's are heavy and safety procedures need to be followed before we operate any machines they told us.

About Ravands:

Ravands Plastech manufactures Thermoplastic Ball valves, Gate valves, Non Return valves, Foot valves and Butterfly valves. Technical know how on Design, Manufacture of corrosive resistant Thermoplastic Valves is provided by the World famous consultant Mr. Johann Holzschuh of Germany. Smart design concepts were adopted in design of plastic valves to meet aggressive conditions and applications. Best machinery, materials and processes were selected to meet stringent industry standards of quality manufacturing.

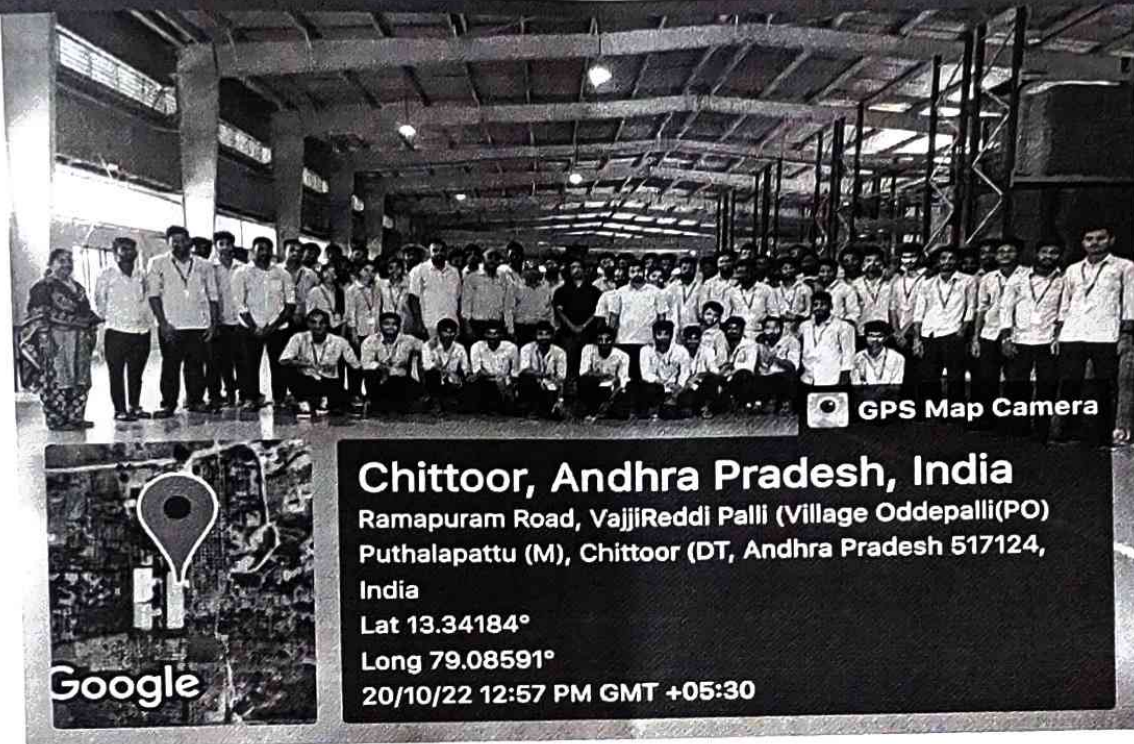


Fig. Group photo of Mechanical Engineering students with the founder of Ravands Plastech

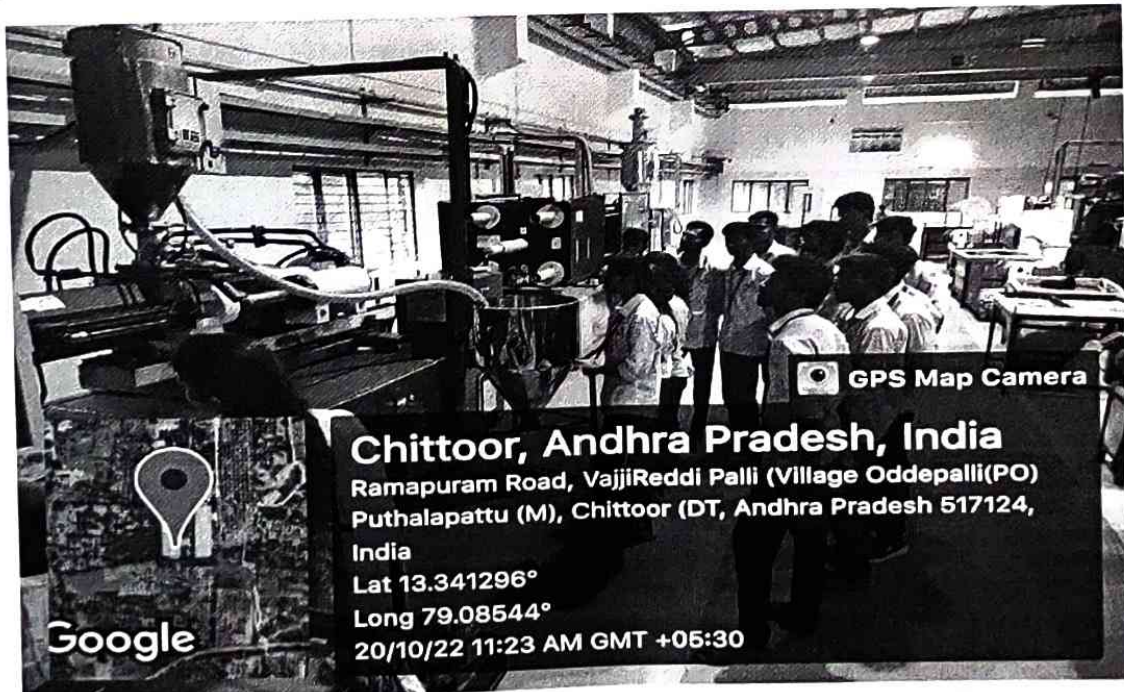


Fig. Students learning the manufacturing methods in the industry.

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.

Industrial Visit

Coordinator : Dr. P. Prakash

Co-coordinator: Dr. T. Hariprasad


HOD, ME