



Sarvajani University
Sarvajani College of Engineering & Technology
Electronics & Communication Engineering Department

B.Tech, II Year, Semester-4

E&C Engineering

Academic Year 2024-25

A Report on Industry Visit

Survey no. 1928, New, Taluka, Degam,

Chikhli, Gujarat 396530

Details of Visit

Type: Educational Visit

Platform: Physical on-location

Name of Industry: Waaree Energies Pvt. Ltd., Surat

Category: Technical Activities, Industry Visit, AY 2024-25

Schedule: 11th April, 2025

No. of Students Visited: 35+

Faculty for Visit: Prof. Vandana Shah & Asst. Prof. Archana Shah

Purpose

The objective of this educational visit was to gain firsthand knowledge about the functioning and operations of one of India's leading solar panel manufacturers – Waaree Energies. The company is a significant contributor to the renewable energy sector and is known for its advanced manufacturing and sustainable energy solutions.

Objective

1. To explore the production process of solar PV modules.
2. To understand the role of automation and quality control in clean energy.
3. To witness real-world application of electronics and communication in the energy domain.
4. To learn about Waaree's contribution to sustainability and innovation.

About Waaree Energies

Waaree Energies Ltd., established in 1990, is a flagship company of the Waaree Group. Headquartered in Mumbai, they are among the top solar panel manufacturers in India with the largest aggregate installed capacity of 13.3 GW. With a presence in over 68 countries, they specialize in PV module manufacturing, EPC services, project development, and solar water pumps. Their Surat facility is one of the technologically advanced and efficient solar PV module plants in the region.

Visit Highlights

During the visit, students observed the various stages of solar module manufacturing including cell testing, tabbing, lamination, and final inspection. We also saw how electronics and quality assurance systems are implemented in real time. The use of automation, robotics, and smart monitoring systems was a great learning experience.

Group Photo from the Visit



Conclusion

The educational visit to Waaree Energies was an insightful experience that connected theoretical learning with practical industrial applications. It motivated us to explore further in the field of green energy and sustainable development.

Acknowledgments

We would like to express our sincere gratitude to the management and staff of Waaree Energies Pvt. Ltd. for their hospitality and valuable insights. We also thank our professors and SCET for organizing this enlightening visit.

ATTENDANCE:

Industrial Visit at Waaree Energies Pvt. Ltd

Date of visit: 11/04/2025

Class: Btech 2nd Year E&C (UG students)

| Sr. No. | Enrollment No | Name of the Student |
|---------|---------------|----------------------------------|
| 1 | ET23BTEC003 | AVANI SHAILESH DESHPANDE |
| 2 | ET23BTEC004 | BHAYANI HELLY DIPAKBHAI |
| 3 | ET23BTEC005 | BHIMANI BRINDA SHAILESHBHAI |
| 4 | ET23BTEC006 | CHOKSY JAYNEE BRIJESH |
| 5 | ET23BTEC008 | FALIT ANKIT CHOKSI |
| 6 | ET23BTEC011 | GURAV NAINESH RAJESHBHAI |
| 7 | ET23BTEC015 | HITA JADHAV |
| 8 | ET23BTEC016 | JARIWALA ANIKET AJAYKUMAR |
| 9 | ET23BTEC017 | JARIWALA AYUSH CHETANKUMAR |
| 10 | ET23BTEC020 | KALE AYUSH SHYAMKUMAR |
| 11 | ET23BTEC022 | KAVANI ARYA VITTHALBHAI |
| 12 | ET23BTEC023 | KEVADIYA VATSALKUMAR NILESHBHAI |
| 13 | ET23BTEC025 | KUDALE ANURAG SHRIKANT |
| 14 | ET23BTEC026 | KUMBHARE OM RAJU |
| 15 | ET23BTEC030 | MANGUKIYA SENIL SANJAYBHAI |
| 16 | ET23BTEC032 | MEHTA PRIYANSHU DHARMESHKUMAR |
| 17 | ET23BTEC034 | MORADIYA JANVI RAKESHBHAI |
| 18 | ET23BTEC035 | MUNGARA MAITRY AMITBHAI |
| 19 | ET23BTEC036 | OM KAKADIYA |
| 20 | ET23BTEC037 | PAREKH DEVANSH ROHITBHAI |
| 21 | ET23BTEC040 | PATEL BHAVY RAKESHKUMAR |
| 22 | ET23BTEC041 | PATEL PARTH HITESH |
| 23 | ET23BTEC045 | PRAYAG KALPESH JOSHI |
| 24 | ET23BTEC046 | PRISHAA JIGNESH BHATT |
| 25 | ET23BTEC047 | RAMANI DEEP MANOJ |
| 26 | ET23BTEC054 | SHAH SHREY VIPULKUMAR |
| 27 | ET23BTEC056 | SHINGALA SAGAR RAJESHBHAI |
| 28 | ET23BTEC059 | TATHYA MAULIKBHAI SHAH |
| 29 | ET23BTEC060 | TEJ PATEL |
| 30 | ET23BTEC061 | THAKORE RAJVEER DHAVALBHAI |
| 31 | ET23BTEC064 | UMRIGAR DHRUNIL SHAILESHBHAI |
| 32 | ET23BTEC066 | VASOYA DEEP KISHORBHAI |
| 33 | ET23BTEC067 | VATSAL CHETAN SHETH |
| 34 | ET24BTEC803 | MALAVIYA KUSHAL DINESHBHAI |
| 35 | ET24BTEC901 | SONDIGALA BHAVYAKUMAR HARESHBHAI |
| 36 | ET24BTEC902 | BORICHA ABHISHEK BHARATBHAI |
| 37 | staff | Prof. Vandana Shah |
| 38 | staff | Prof. Archana Shah |

Prepared By,

Prayag Joshi

2nd Year E&C Engineering Dept.

SCET-Surat