



# TECHNO INDIA NJR INSTITUTE OF TECHNOLOGY

Approved by AICTE & Affiliated to Rajasthan Technical University

www.technonjr.org

NJR Knowledge Campus, Plot-SPL-T, Bhamashah (RIICO) Industrial Area, Kaladwas, Udaipur - 313003 (Raj.)  
Tel. : +91 2942650214-17 Fax :+91 2942650218, Email : technonjr@gmail.com, director@technonjr.org

Date: - 27<sup>th</sup> Sept, 2022

To,  
Mr. Chetan Paneri  
HR, Secure Meters Limited  
Udaipur (Raj)

## **Sub: Permission letter for industrial visit**

Dear Sir,

I hereby write this letter on behalf of Techno India NJR Institute of Technology, I wish to request for permission to conduct an industrial visit at your company. We wish to undertake an industrial visit at your company on **Saturday 1<sup>st</sup> Oct, 2022**.

Our academic curriculum focuses on engaging students in practical experiences to observe the implementation of what they are taught in college. We believe that your company will give our students relevant knowledge during this visit.

A group of **30 students of Electronics, Electrical & Mechanical stream and 5 faculty** members intend to participate in this industrial visit. Please allow us to conduct an industrial visit to your company and meet your skilled employee. Kindly contact undersigned if there are any other requirements for the visit.

Thank you in advance.

Yours faithfully,

Yogendra Singh Solanki  
Training & Placement Officer  
Techno India NJR Institute of Technology

**Techno India NJR Institute of Technology, Udaipur**  
**Secure Meters Industrial Visit**  
**Students List**

| <b>S.no.</b> | <b>Name</b>                 | <b>Branch</b> | <b>Vaccine Status</b> |
|--------------|-----------------------------|---------------|-----------------------|
| 1            | ABBAS HAKIMUDDIM FAKHRUDDIN | ECE           | Yes                   |
| 2            | ABHISHEK KALAL              | ECE           | Yes                   |
| 3            | ABHISHEK RAJWANIYA          | ECE           | Yes                   |
| 4            | ALFEZ UMAR SHEIKH           | ECE           | Yes                   |
| 5            | DHAWAL PUROHIT              | ECE           | Yes                   |
| 6            | MS HIMANSHI SONI            | ECE           | Yes                   |
| 7            | JALAJ DASHORA               | ECE           | Yes                   |
| 8            | JATIN TAILOR                | ECE           | Yes                   |
| 9            | MANAV KUMAWAT               | ECE           | Yes                   |
| 10           | MOHIT GOUR                  | ECE           | Yes                   |
| 11           | RACHIT DUTT                 | ECE           | Yes                   |
| 12           | SANIDHYA SHARMA             | ECE           | Yes                   |
| 13           | SHOAIB KHAN PATHAN          | ECE           | Yes                   |
| 14           | SNEHIL SHARMA               | ECE           | Yes                   |
| 15           | Sahil Bohi                  | ECE           | Yes                   |
| 16           | Yuvraj Nagda                | ECE           | Yes                   |
| 17           | Khushwant Singh             | ECE           | Yes                   |
| 18           | AKSHAY SOLANKI              | EE            | Yes                   |
| 19           | JAYESH MENARIA              | EE            | Yes                   |
| 20           | KAPIL KALAL                 | EE            | Yes                   |
| 21           | PRAVEEN MEGHWAL             | EE            | Yes                   |
| 22           | PUNEET JAIN                 | EE            | Yes                   |
| 23           | DEEPAK PRAJAPAT             | ME            | Yes                   |
| 24           | JAY VERMA                   | ME            | Yes                   |
| 25           | JOGENDRA MEENA              | ME            | Yes                   |
| 26           | KUNAL GURJAR                | ME            | Yes                   |
| 27           | VIKRAM SINGH MADRECHA       | ME            | Yes                   |
| 28           | CHEMPIYAN SHARMA            | ME            | Yes                   |
| 29           | LALIT DANGI                 | ME            | Yes                   |
| 30           | SALONI SHARMA               | ME            | Yes                   |
| 31           | MUFADDAL                    | ME            | Yes                   |

## Secure Meter Industrial Visit Report

Date: 1st Oct, 2022

A group of **34 Students of B.Tech 2nd and 3rd Year** of Department of Electronics & Communication, Electrical Engineering and Mechanical Engineering, along with Dr. Abrar, Asst. Prof. (EE), Mr. Rajkumar Soni, Asst. Prof. (EE), Mr. Hitesh Sen, Asst. Prof. (ECE) & Mr. Abhishek Sharma, Asst. Prof.(ME) of Techno India NJR Institute of Technology visited Secure Meters Limited on **1st October, 2022** .

### Visit Key Points

The students were briefed about the organizational policy and culture of the Secure Meters Limited. Mr. Abhijit Nagda, Secure Meters has briefed about the regions across the world where Secure Meter is doing their business. He has informed that apart from two manufacturing plants i.e. Udaipur, Rajasthan and Solan, Himachal Pradesh one new manufacturing plant is going to start in Sanand, Ahmedabad. And the company also started manufacturing plants in Italy. Mr. Nagda has informed the students that along with the electricity meter company also manufacture Gas Meters, Home Control Display Meters, Pump Efficiency Meters etc. Company export meters abroad viz. Australia, Bangladesh, Italy, Singapore, Sweden, Switzerland, UAE and UK. Company also has two manufacturing partnerships in Malaysia and Ghana.

Later on, students visited the production plant, where the production manager briefed about the production process and also answered the queries raised by the students.

The production manager has started visit with component mounting machine where raw PCBs (without components) are placed in the component mounting machine, where before mounting the component one paste is applied on the PCB for good quality component mounting.

The Production Manager has explained to students how after component mounting, PCB is tested in an automatic fault-finding machine where one specific personnel check's fault on the computer. The Production Manager has briefed that in different types of meters

different sizes of components are used. So, to make components appropriate according to the meter they are cut by a small size component cutting machine in a specific portion of the plant, where some personnel's or plant staff cut the component by using this component cutting machine.

For larger size component mounting on PCB, 17 individual units are there in the company, where staff do manual mounting on the meter. After mounting all components, they are fitted in the outer body of the meter and then all meters go through the final pass/fail test machine. If meters pass this test go for packaging and are kept in a warehouse and if meters are failed in testing are handed over to another unit for fault finding. The outer body of the meter is also manufactured in the plant itself. For this task one separate region is there in the plant.

The Production Manager has explained to students that apart from electricity meters how different types of meters are manufactured and packed i.e., gas meter, home control display meters, pump efficiency meter, grid meter, digital panel meter etc.

Students have definitely benefited from this very knowledgeable Industrial visit. All officers and personnel of Secure Meter were very kind and they explained all the stuff that is going on in the company in a very efficient and meaningful way.





