

A
Report On
Industrial Visit

Spectrum Solutions and Technologies Pvt. Ltd



SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY,

Dr. R. K. Desai Marg, Athwalines, Surat-395001

2022-23

Date of Visit	21/04/2023
Place for Industrial Visit	Spectrum Solution and Technologies Pvt. Ltd , Surat,Gujarat
Class	BE. 3 rd year (ECC)
Time	10:30 am to 2:00 am
Total no of students	49
Total no of Faculties	1. Prof. Neeta Chapatwala 2. Prof. Dimple Bhanabagvanwala

ACKNOWLEDGEMENT

Just as air is essential for life, proper guidance is imperative for success. On behalf of the entire class, I am taking this opportunity to express our heartfelt gratitude to Prof. Neeta Chapatwala and Prof. Dimple Bhanabagvanwala for their exceptional guidance and mentorship, which contributed immensely to the success of our industrial visit. They were instrumental in assisting us with both technical and non-technical aspects and ensured that we had a fantastic learning experience.

Additionally, I would like to extend our appreciation to the team at Spectrum for their elaborate explanations and guidance on various technical aspects related to electrical sensors. Their knowledge and expertise were invaluable, and we are grateful for their contributions to our learning.

Company profile

Spectrum Solutions And Technologies Private Limited is a Private incorporated on 25 January 2006. It is classified as Non-govt company and is registered at Registrar of Companies, Ahmedabad. Its authorized share capital is Rs. 500,000 and its paid up capital is Rs. 100,000. It is involved in Software publishing, consultancy and supply [Software publishing includes production, supply and documentation of ready-made (non-customized) software, operating systems software, business & other applications software, computer games software for all platforms. Consultancy includes providing the best solution in the form of custom software after analysing the users needs and problems. Custom software also includes made-to-order software based on orders from specific users. Also, included are writing of software of any kind following directives of the users; software maintenance, web-page design].

Spectrum Solutions And Technologies Private Limited's Annual General Meeting (AGM) was last held on 30 November 2021 and as per records from Ministry of Corporate Affairs (MCA), its balance sheet was last filed on 31 March 2021.

Directors of Spectrum Solutions And Technologies Private Limited are Rajesh Purushottam Bapaye, Kamleshkumar Dhirajlal Modi and .

Spectrum Solutions And Technologies Private Limited's Corporate Identification Number is (CIN) U72200GJ2006PTC047599 and its registration number is 47599. Its Email address is accounts@spectrumsolutions.in and its registered address is PLOT NO. 232, ROAD NO. 6EUDHNA UDYOG NAGAR, SURAT GJ 000000 IN .

Current status of Spectrum Solutions And Technologies Private Limited is - Active.

AN ENTRILLING JUORNEY TO SPECTRUM



Our journey towards our destination began with great enthusiasm and utmost precautions, with a list of 49 students. We hit the road at 10:30 am and despite the traffic, we reached SPECTRUM in about 30 minutes. Upon arrival at around 11:15 am, we were warmly welcomed by a representative of SPECTRUM.

The representative divided us into two groups, and the first group began their visit to the testing area. SPECTRUM is a textile electronics company, and during our visit, we had the opportunity to witness their pressure transducer in action. This device plays a crucial role in controlling the tension of the yard, and it utilizes a load cell in a closed-loop system. The S-type load cell within the pressure transducer ensures accurate measurement, and we were also able to observe the proximity sensor, which operates on a processor 4178/2478.



After learning about proximity sensor we learned about solenoid. It is having electrical to mechanical conversion. Solenoid use permanent magnet.

We saw opto sensor/transducer. It is combination of servo motor and encoder. All information is given by Mr. Sulas Umrethwala.



Thereafter we all go to upstairs. There Mr. Ravi Patel , Mrs. Hemangi Patel and Mr. Mayur Morankar gave the information about Temperature sensor and Piezo sensor. Temperature sensor work on 1788 processor and Piezo sensor work o 1115 processor.

After manufacturing it will have 2-hour testing. If any defect is there than they should know that.

We all came to ground floor. SPECTRUM gave us a cold drinks and little break we all go to UNIT 3.





In Unit 3 Mr. Chetan gave information about rapier and jacquard machine. He told use how all sensor and transducers are work. And that concluded our industrial visit.

At about 1:00 pm our industrial visit was finished and we left SPECTRUM. After that we all go back to collage.



List of students

Sr No.	Name of student	M/F	Enrollment No.
1	Niket Singla	M	200420111001
2	Deepak Shamsheer	M	200420111002
3	Kenil Faldu	M	200420111003
4	Jeet Maheta	M	200420111004
5	Sosmita Paul	F	200420111005
6	Ruchit Sheta	M	200420111006
7	Marmik Joshi	M	200420111007
8	Nimesh Sarvaiya	M	200420111008
9	Nit Talavia	M	200420111009
10	Jill Saliya	M	200420111010
11	Nehansh Patel	M	200420111012
12	Sanskriti Patil	F	200420111013
13	Sarangi Kotadiya	F	200420111014
14	Janvi Nariya	F	200420111015
15	Aleemuddin Mombasawala	M	200420111017
16	Dev Patel	M	200420111018
17	Dhaval Sorathiya	M	200420111019
18	Ayushi Bhatiya	F	200420111020
19	Mohit Bhatia	M	200420111021
20	Deep Patel	M	200420111022
21	Abhishek Singh	M	200420111023
22	Anish Sopariwala	M	200420111024
23	Anand Sahu	M	200420111025
24	Meet Patel	M	200420111027
25	Hitaxi Lethwala	F	200420111028
26	Pratham Patel	M	200420111030
27	Shweta Patel	F	200420111032
28	Krishi Modi	M	200420111033
29	Meet Kathiriya	M	200420111034
30	Priyam kakadiya	M	200420111035
31	Priyanshi Gelani	F	200420111036
32	Rahul Agrawal	M	200420111037
33	Aarya Shah	M	200420111039
34	Twinkle Jariwala	F	200420111041
35	Devansh Thakkar	M	200420111043
36	Harsh Bhadani	M	200420111045
37	Janvi Shah	F	200420111046
38	Rishi Joshi	M	200420111047
39	Khushvi Patel	F	200420111048
40	Hema Sen	F	200420111049
41	Maitri Desai	F	200420111050
42	Hetasvi Bhimani	F	200420111051
43	Dharamaraj Jardosh	M	200420111052
44	Aastha Patel	F	200420111053
45	Ishaq Malal	M	200420111054
46	Rutvik Upadhya	M	200420111055
47	Gautam Vatiyani	M	200420111056
48	Viraj Kansara	M	190420111072
49	Jayesh Chauhan	M	190420111101