

A report
on
Industrial visit

To

Efftronics Systems Pvt Ltd
Mangalagiri

Date of visit: 10/09/2022



by

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
K L E F Deemed to be University
Greenfields, Vaddeswaram, Guntur – 522 034

**INDUSTRIAL VISIT
EFFTRONICS, VIJAYAWADA**

DATE : 10. 09. 2022
SECTION : **II YEAR – S1**
TOTAL STUDENTS : 44
EVENT : Industrial Tour

Faculty Coordinators:

- 1) Dr. C. Santhosh, Associate Professor, ECE
- 2) Dr. Aswin Kumar, Associate Professor, ECE
- 3) Dr. S. Arunmetha, Associate Professor, ECE
- 4) Mr. Sandeep, ES & IoT Lab Technician, ECE

EVENT DESCRIPTION:

An industrial visit has been organized by the department of Electronics and Communication Engineering for II-year I semester students on 10-SEP-2022 between 14:00 to 17:00hrs. The visit's main objective was to provide technical exposure to acquiring practical knowledge in Electronic System Design and the Internet of Things. Total 44 students of II-year ECE of KLEF visited Efftronics Systems Pvt Ltd, Mangalagiri.

SESSION ACTIVITIES:

EFFTRONICS VISIT:

Students visited Efftronics and learned about

- Data Loggers
- Different types of sensors and Actuator equipment
- Different types of multi-color display systems
- Battery monitoring unit & Signaling Systems
- IoT Security Systems
- PCB Design, Manufacturing, and Assembling

Efftronics staff explained chip design, PCB Design, and IoT. They also briefly explained the production system, Data loggers, customer data analysis sector, Batteries, storage, and R & D division. They have shown how to develop LEDs and different types of LEDs and their applications. They were explaining a brief about company products and how many live projects are going on and how they are satisfied with the customer. All over India there are being installed and maintaining their dataloggers around 900 railway stations. Further, they explained what different types of sensors and IoT have been used for appropriate applications

They are mainly Six sections introduced and the manufacturing process is explained they are
Prototype Testing of DATA LOGGER FOR INDIAN RAILWAY

- Battery monitoring Device means if any one of the cells is open it finds the cell very easy.
- Weather station monitoring to find out different atmospheric parameters like temperature, humidity, rainfall...etc.
- 3D printing machine: To make a prototype of any object designed from the computer.
- LED Testing & Designing Section: in this section, they are explained various types of LEDs and their wavelengths, and high bright LED. Etc.
- PCB Designing: They are clearly explained about Types of PCBs
 1. Single side
 2. Double-side PCB
 3. Multi-layer is clearly explained through PPT as well as a practical approach

Photo Gallery of Visit



