

**A REPORT  
ON  
INDUSTRIAL VISIT**

**TO**

**EFFTRONICS, VIJAYAWADA**

**DATE OF VISIT: 26/10/2019**



**By**

**DEPARTMENT OF ELECTRONICS & COMMUNICATION  
ENGINEERING**

**K L E F** Deemed to be University

**Greenfields, Vaddeswaram, Guntur – 522 034**

## **INDUSTRIAL VISIT EFFTRONICS, VIJAYAWADA**

**DATE** : 26<sup>th</sup> October 2019  
**SECTION** : **II YEAR – S9**  
**TOTAL STUDENTS** : 37  
**EVENT** : Industrial Tour

### **Faculty Coordinators:**

- 1) Durga bhavani, Asst. Prof/ECE
- 2) Sri Lakshmi, Asst. Prof/ECE

### **EVENT DESCRIPTION:**

An industrial visit has been organized by department of electronics and communication engineering for II-year I semester students on 26<sup>th</sup> October 2019. The main objective of the visit was to provide a technical exposure to the students about Data loggers & technology.

Totally 37 students of II-year ECE of KLEF visited Efftronics, Vijayawada.

### **SESSION ACTIVITIES:**

The students were accompanied by 2 faculty members. The buses with students have started from our college at 1:30 PM on 26<sup>th</sup> October 2019 and reached the Efftronics by 2.00 Pm.

### **EFFTRONICS VISIT:**

Students visited Efftronics and learnt about

### **EFFTRONICS VISIT:**

Students visited Efftronics and learnt about

- Data Loggers
- Different types of sensor equipment
- Different types of multi-color display systems

- Battery monitoring unit
- Signaling Systems

The below picture had been taken while they were explaining brief about company products and how many live projects are going on and how they are satisfied the customer. All over India there are been installed and maintaining their dataloggers around 900 railway station. Further they been explained what different types sensors and IOT been used for appropriate applications





## **ABOUT EFFTRONICS:**

Efftronics staff explained about chip design, PCB Design and IOT. They also explained in brief about production system, Data loggers, and customer data analysis sector, Batteries, storage and R & D division. They have shown how to develop LED's and different types of LED's and its applications.

They are mainly Six sections are introduced and manufacturing process are 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 cell very easy.
- Weather station monitoring to find out different atmospheric parameters likes 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 LED's and their wave lengths, and high bright LED's...Etc.
- PCB Designing: They are clearly explained about Types of PCB's
  1. Single side
  2. Double side PCB
  3. Multi-layer is clearly explained through PPT as well as practical approach

## Photo Gallery of Visit





