



Department of Electronics & Telecommunication Engineering  
K. K. Wagh Institute of Engineering Education and Research  
Hirabai Haridas Vidyanagari, Amrut Dham, Panchavati, Nashik-422003

## **Industrial Visit Report**

**Academic Year: 2018-19**

<b>Name of the industry visited</b>	Reliance Electronics, Nashik
<b>Address and contact details of industry visited</b>	D-1/2, MIDC, Ambad, Nashik, Maharashtra, India – 422010 Ph- 0253-2384345/46 Email Id- info@reliance-india.com Web Site- www.reliance-india.com
<b>Date of industrial visit</b>	21/09/2018
<b>Name of the course for which industrial visit is organized</b>	Electronic System Design
<b>Name of the visit coordinator</b>	Ms. Snehlata V. Bhokare
<b>Name of the visit instructor</b>	Mr. Saurabh Mandlecha
<b>Outcome of the industrial visit</b>	Students will be able to understand processes involved in industry (outcome is mapped to CO1, CO3)

### **Learning Objectives:**

After successful completion of this visit students will learn the following points

1. Stages involved in Electronic Product Design/ Product Design Cycle
2. Testing of electronic systems etc.

### **About Industry visited:**

Since its inception in 1996, Reliance Electronics, today is one of the leading indigenous manufactures of safety equipments in India.

They offer on array of metal detectors which comprise Hand Held Metal Detector, Door Frame Metal Detector, Deep Search Metal Detector, Under Vehicle Search Mirror, Letter Bomb Detector and many more. It is an ISO 9001-2008 certified company. The high quality is ensured by stringent quality control norms at every level of operation. Clientele includes the army, Paramilitary Forces, State Police, PSU'S and many other private establishments.

The visit was useful to BE Electronics students for the course Electronic System Design. The visit helped students to understand actual product design cycle and testing of the product. Students also studied sensitivity analysis concept.

Our visit started with introduction of various sections like store department, PCB Design section, R & D section, Assembly unit and Testing Section etc. In each section students got knowledge about following things:



Department of Electronics & Telecommunication Engineering  
K. K. Wagh Institute of Engineering Education and Research  
Hirabai Haridas Vidyanagari, Amrut Dham, Panchavati, Nashik-422003

Sr. No.	Department/ Section	Things learnt
1	Store section	Observed storage methods for various electronic components
2	R & D Department	Methods used for product design and development of their products
3	Assembly Unit	Assembly of various parts of an system/ product
4	Testing Unit	Testing methods and also saw sensitivity analysis of various metal detectors (Multizone DFMD, Portable DFMD, Single Zone DFMD)

In all the experience was good and all students learnt much about the Electronic system design.

#### Photos of Industrial visit:



Industrial visit coordinator  
Ms. Snehlata V. Bhokare