



Sandip Foundation's  
**Sandip Institute of Engineering & Management**  
Mahiravani, Trimbak Road, Nashik-422213



**Department of Electronics and Telecommunication  
Engineering**

## Industrial Visit Report

**Name of Company :** Trends Electronics Pvt. Ltd

**Date - 19/01/2019**

**Time - 1:30 PM to 4:30 PM**

**Address -** Gut No. 350, Beed Road, Village Bhalgaon, Dist : Aurangabad - 431201,  
Maharashtra. Phone No. : (+91-0240) 2544509 / 510 / 512 , Fax No. : (+91-0240) 2544506

**Participants - B.E ( E & TC ) Students** **A.Y: 2018-19 SEM II**

**Name of Faculty: Prof. P. S. Aswale and Prof. M. V. Wagh,**

**Name of the course for which industrial visit is organized :** Audio Video Engineering &  
Broadband Communication system

### 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 design
3. Understand various HDTV standards and Digital TV broadcasting systems and acquainted with different types of analog, digital TV and HDTV systems

### About Industry visited:

**Trend Electronics Limited** is Customer Centric Organization & believes in long term relationship with customers. Our aim is to understand the customer needs & translate them into meaningful products, which will enrich the lifestyle of the customers. Focus towards customers & promised deliveries coupled with wide industry experience in electronics manufacturing, we are a natural choice for OEM supply.

**Trend Electronics Limited** has a state-of-art manufacturing setup and is the largest manufacturer of set top boxes for 'Videocon d2h'. The sophisticated production facility includes, Chip Mounting Machines, Automatic through-hole insertion Machines, Free flow conveyors, etc.

The company has a talented pool of committed workforce and has the best facilities for product testing and reliability testing. The list includes Climatic Chambers, Salt Spray Chamber, Ovens & other custom made test setups. The company is certified ISO 9001:2008 for Quality System Standard.



- State of art facility
- AOI Machines
- Hi - Resolution X-Ray Inspection System
- ESD proof Environment

#### Assembly Testing Line



- Fully equipped Assembly Lines
- ESD proof Environment

#### Final Assembly



- Automated Long Soaking Line
- Automated Conveyor / Cell Line Structure

#### Reliability Testing



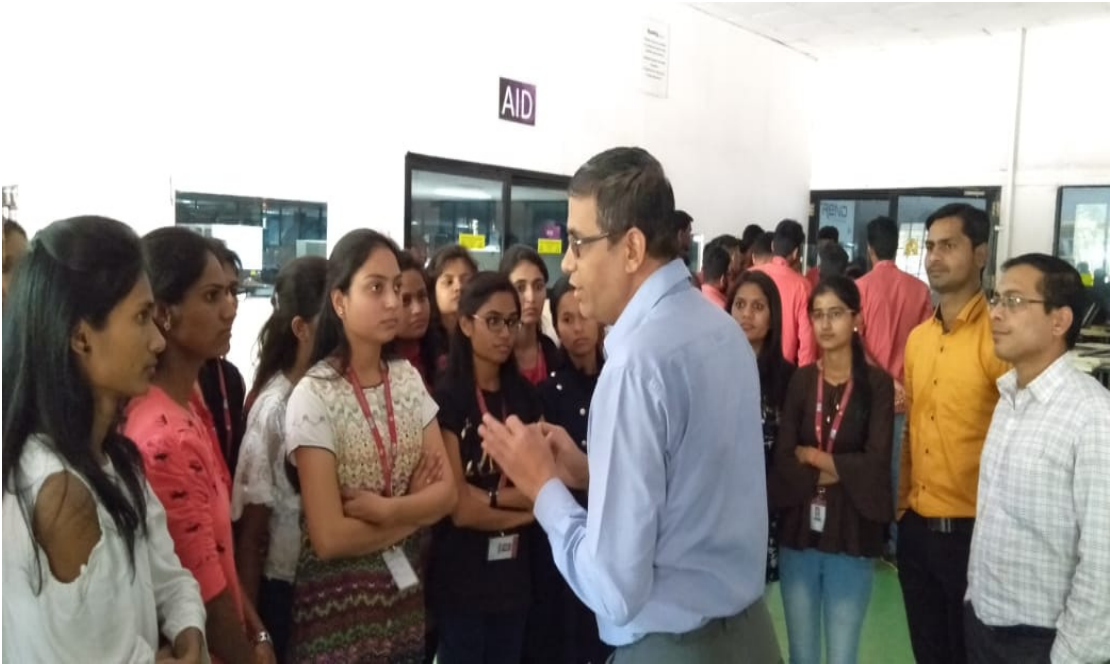
- Climatic Chambers
- Ovens
- Salt Spray Chambers
- Shakers / Vibration machine
- Component Testers
- Custom Made test setup

A Set Top Box is a device that enables a TV set to become a user interface to the video streaming and also enables a TV set to receive & decode digital TV (DTV) broadcasts. The user interface usually is through the Electronic Program Guide for various selections. A Set-Top Box is necessary for TV viewers who wish to use their current analog TV sets to receive digital broadcasts.

Modern day Set Top Boxes offer a wide variety of features Like High Definition Video, 5.1 Channel Audio, Dolby Sound, Multi Lingual Audio among other features. More sophisticated Set-top boxes contain a hard drive for storing recorded television broadcasts, for storing live TV broadcast to view programs later. Some Service providers also provide Value Added Service Like Movie on Demand, Internet connectivity, interactive Services & Games.

In India, typically the DVBS / DVBS - 2 DTV standard is followed. The services are available through satellite and through cables also.

**Photos of Industrial visit:**



**Conduction Letter (Industrial visit):**



January 19, 2019

To  
The Principal,  
Sandip Institute of Engineering and Management.  
Department of E & TC  
SIEM, Nashik  
Contact No: 8411907864

**SUBJECT :ACADEMIC INDUSTRIAL VISIT**

Ref. : Your e mail dated 24.11.2018 regarding subject matter.

Dear Sir,

With reference to above subject, this is to inform you that 39 Nos. of students with 03 staff members of your Institute have visited our factory on 19<sup>th</sup> January 2019.

We found that very keen interest has shown by your students in the production process and all related functions.

We wish them all success in future career.

Thanking you,

Yours faithfully,  
For **Trend Electronics Limited,**



**Authorized Signatory  
HR & Admin. Department**

You are on our mind

**Trend Electronics Limited**

Correspondence Address : Gul No. 350, Beed Road, Village Bhalgaon, Dist: Aurangabad - 431201, Maharashtra.  
Regd. Office : Trend Electronics Limited, 20 K.M. Stone, Aurangabad - Beed Road, Village Bhalgaon, Aurangabad - 431201.  
Tel.: (+91-0240) 2644507 / 08 / 09 / 10 / 11 | Fax: (+91-0240) 2644506 | www.trendelectronics.in  
**CIN NO. L99999MH1989PLC052233**



**Outcomes of visit:** Understand processes involved in manufacturing of Settop Box, different testing stages of settop box.

**Prof. Pramod S. Aswale  
IV Coordinator**

**Dr. Dipak P. Patil  
H.O.D E&TC**