



Sandip Foundation's  
Sandip Institute of Technology & Research Centre, Nashik  
Department of Electronics & Telecommunication

Date: 26<sup>th</sup> Feb, 2016

**Industry-Academia Innovative Practices**

**Name of Event:**

- "STTP on "Sensors and Applications, 8051 Microcontroller and VLSI" by IGTR, Aurangabad

**Name of resource person:**

- Prof. Sanjay Humaniya
- Prof. Bijayanad Sathpati
- Prof. Vijay Bankar

**Name and Address of Company:**

INDO GERMAN TOOL ROOM, AURANGABAD  
(A Government of India Society, Ministry of MSME)

**Objectives:**

To provide Industrial Exposure to students of Sandip Foundation through this STTP "Sensors and Applications, 8051 Microcontroller and VLSI".

**Outcome:**

- Students will be able to identify different types of sensors like IR sensor, Inductive Proximity sensors (PNP/NPN), Capacitive Proximity Sensors, Alcohol Sensor, Smoke Detector sensor, Photoelectric sensor.
- Student will easily interface all types of sensor to 8051-Microcontroller.
- Students will be easily make programmes in assembly language.
- Students will get thorough knowledge VLSI, ASIC etc

Photos:





