



ADHI
COLLEGE OF ENGINEERING & TECHNOLOGY

Industrial Visit to SANDS Signals & systems [P] limited, Chennai on 10th Feb 2018

The second year ECE Students have attended the one day industrial visit to SANDS Signals & systems private limited, Chennai on 10th February 2018. Ms Archana industrial visit coordinate has guided the visit with the 10 students. We would like to extend my gratitude to management & principle for giving the opportunity to visit SANDS Signals & systems private limited, OMR Road, Siruseri IT Park, Chennai.

Industry Profile

The SANDS Signals & systems private limited, Chennai manufactures a wide range of niche products, for use in energy sector, with focus on reduction of commercial loss, and energy/demand management system. All the products employ state of art embedded technology, and are tested to international standards.

And also conduct various training programmes in embedded systems, with focus on bridging the gap between the university curriculum and industry's requirement for ready to design engineers and offers a complete end to end revenue protection services for power utilities, covering all components of energy to revenue chain – starting from substations to consumer premises.

Topics Discussed

1. Water supply management
2. Surveillance camera using Arduino
3. Surveillance robot using Raspberry Pi
4. Arduino and raspberry pi introduction

An Arduino is open source computer hardware and soft ware company. It is licensed under GNU general public, by using this we can design digital devices which can sense and control the objects in physical world. Now it contains various microcontroller and analog, digital input/output pins and ICSP which can be used instead of boot loaders. Here we use C, C++ language so memory is not required.

Raspberry Pi which is an advanced board it contains Wi-Fi and 1GB RAM and here we use python language so memory is needed it has ARM 7 Processor, so it is also called as a small computer. It has a specific window using this we has a transmitter in the board so no need for external transistor using Wi-Fi we can send the information to cloud.

Student's feedback

It is very useful for us to know about Raspberry Pi, IOT, Arduino, Embedded system.

Photo gallery



Group photo during the Industrial visit, Siruseri IT Park, Chennai