ACS College of Engineering
Approved by AICTE New Delhi, Affiliated to VTU, Belagavi
(A Unit of RajaRajeswari Group of Institutions)

NAAC 'A' Accredited

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on Internship ---Sensor Technologies

Name of the Event   : Internship on Sensor Technologies

Date & Time: 31.01.2019 & 09:30 AM to 11:30 AM

Venue: Seminar Hall 1

No. of Participants: ECE students (25) + Staff (04)

Resource Person: Mr. Shyam Solaraju, Co-Founder, Generis Technologies Pvt Ltd

About the Talk

The talk commenced with brief introduction about the speaker Mr. Shyam Solaraju. The Speaker started the session about asking the basic questions about Sensor's and its applications. Next the speaker took over the session and started discussing about Sensors, different types of sensors, and its applications to IoT.

A **sensor** is a device that detects and responds to some type of input from the physical environment. The output is generally a signal that is converted to human-readable display at the **sensor** location or transmitted electronically over a network for reading or further processing.

Different Types of Sensors

Temperature Sensor.

Proximity Sensor.

IR Sensor (Infrared Sensor)

Pressure Sensor.

Light Sensor.

Ultrasonic Sensor.

Smoke, Gas and Alcohol Sensor.

Industries and organizations have been using various kinds of sensors for a long time, but the invention of the Internet of Things has taken the evolutions of sensors to a completely different level.

He took Tesla vehicles as an example. All the sensors on a car record their perception of the surroundings, uploading the information into a massive database. The data is then processed, and all the important new pieces of information are sent to all other vehicles. This is an ongoing process, through which a whole fleet of Tesla vehicles is becoming smarter every day.

By combining a set of sensors and a communication network, devices share information with one another and are improving their effectiveness and functionality.

Finally, the session concluded by thanking the Speaker for his guidance.

Mr. Shyam Soloraju Explaining about different types of Sensors and its applications to IoT.

Interaction with Students