

SENSOR TO CLOUDS

REPORT

The **Sensor to clouds** Traditional models of computing with wireless sensors imposes restrictions on how efficiently wireless sensors can be used due to resource constraints. Newer models for interacting with wireless sensors such as the Internet of Things and Sensor Cloud aim to overcome these restrictions. This tutorial will discuss a sensor cloud architecture that enables different wireless sensor networks, spread in a huge geographical area to connect together and be used by multiple users at the same time in an 'on demand' basis. Virtual sensors will be shown to assist in creating a multi-user environment on top of resource constrained physical wireless sensors, and can help in supporting multiple applications in an on-demand basis. Security issues will be presented, along with an overview of some potential solutions to these problems such as: energy efficient privacy and data integrity preserving data aggregation algorithms, risk assessment in sensor clouds, and attribute-based access control for sensor cloud applications.

This year the workshop was organized on **19th and 20th of October 2016** by the **Department of Electronics and Communication Engineering** under the supervision of **Dr.T.Jagannadha swamy**, Professor & Head.

(Dr. T.Jagannadha swamy)
Professor & HoD ECE

Mr.A.Radhanand
Convener