



# SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

**An Autonomous Institution**

Accredited by NAAC – UGC with 'A' Grade

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

COURSE NAME : 19EE603 IOT FOR ELECTRICAL ENGINEERS  
III YEAR /VI SEMESTER ELECTRICAL AND ELECTRONICS ENGINEERING

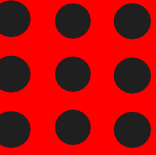
Unit 1 –Introduction

Different Types of Sensors for IOT Applications



# Sensors

- A sensor is a device that detects the change in the environment and responds to some output on the other system.





# Different types of Sensors

- Temperature Sensor
- Proximity Sensor
- Pressure Sensor
- Water Quality Sensor
- Chemical/Smoke & Gas Sensor
- Level Sensor
- IR Sensor
- Ultrasonic Sensor



# How to Monitor Humans?

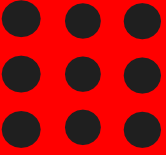
...and super humans



*Image source: [costumekart.com](http://costumekart.com)*



# Smartphone - A Sensor Hub



What is a sensor ?



- Touchscreen
- Light
- WiFi
- Wind speed
- Bluetooth
- GPS
- Proximity
- Barometer
- Tilt
- Magnetometer
- Accelerometer
- Gyroscope
- Temperature
- Humidity



*Image source: Internet*



# How to Monitor Humans?

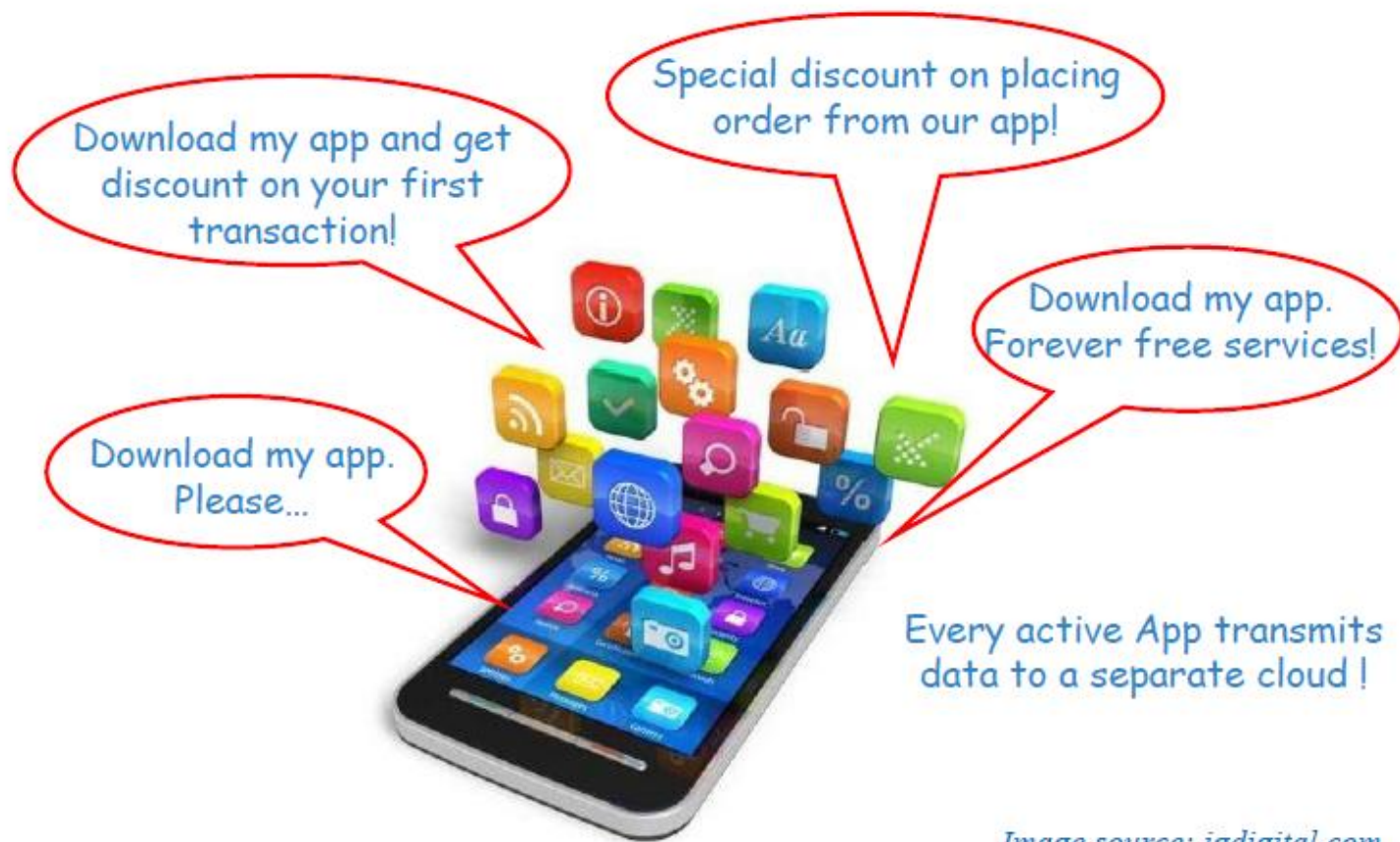
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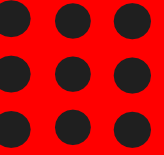
*Image source: [costumekart.com](http://costumekart.com)*



# Download my App and allow me to monitor you!



*Image source: igdigital.com*



Thank You

