

## Introduction

The IoT represents the whole way from collecting data, processing it, taking an action, corresponding to the data obtained and to store everything in the cloud. All of these are possible by the internet. Ex:- parking sensors, and about phones which can check the weather and so on.

## Characteristics of IoT:

### i) Dynamic and self adapting:

- IoT devices and systems have the capability to dynamically adapt with the changing context and take actions based on their operating conditions. For example: The surveillance system comprising a number of surveillance cameras. The surveillance cameras can adapt modes based on whether it is day or night. The surveillance system is ~~the~~ adapting itself based on context and changing conditions.