

SNS COLLEGE OF ENGINEERING



(Autonomous)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

19EC621 - IoT and Wireless Sensor Networks

Unit -1 Overview of Internet of Things

Examples of IoT. Modified oSI Model for the IoT/M2M Systems







4- STAGE LOT ARCHITECTURE



APPLICATION LAYER

Smart Application and Management

Smart Application

DATA PROCESSING LAYER

Processing unit Data Analytics / Dicision Process Information

NETWORK LAYER

Internet Gateways / Network Gateways
Network Technologies
(Data Acquisition System)

Data Transmission

SENSING LAYER

Physical objects Sensors and actuators Data Gathering

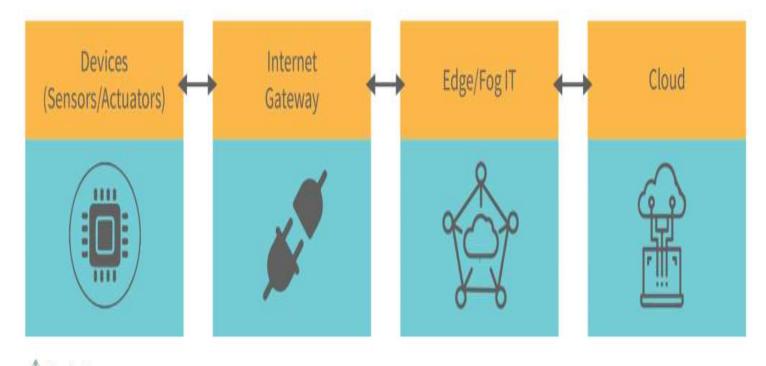








Stages of IoT Solutions Architecture









Example of an IoT system Analyze data, Collate and Collect data take action transfer data loT device (e.g., antenna) IoT gateway





IoT Technology & Protocols



- Several Communication Protocols and Technology used in the internet of Things. Some of the major IoT technology and protocol (IoT Communication Protocols) are Bluetooth, Wifi, Radio Protocols, LTE-A, and WiFi-Direct.
- These IoT communication protocols cater to and meet the specific functional requirement of an IoT system.
- There are 6 IoT Communication Protocols/ Technology, let us look each one of them.



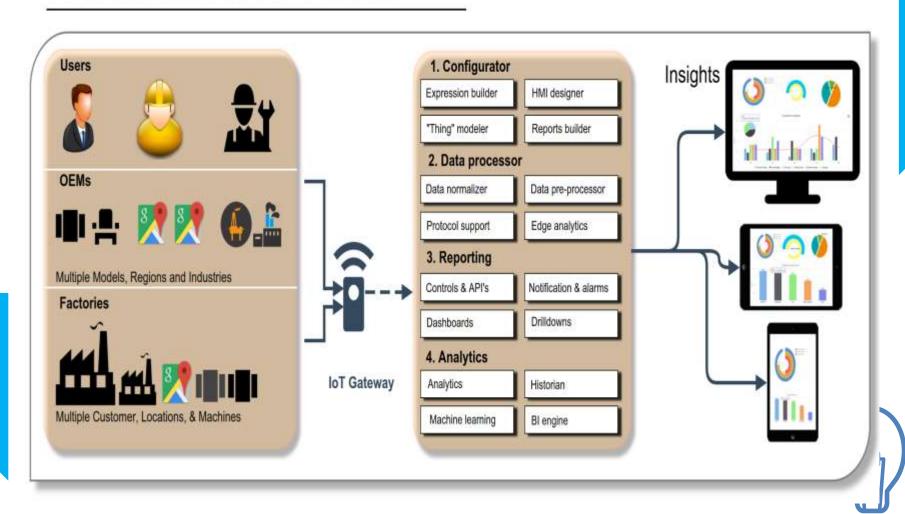








Tools and Skills for IoT Solutions







Thank you

