



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE-35.



Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

DEPARTMENT OF AUTOMOBILE ENGINEERING

COURSE NAME : 19AUT205 – INTERNET OF THINGS IN AUTOMOTIVE SAFETY

II YEAR /IV SEMESTER

Unit 2- IoT Communication and Levels

Topic 4 : Domain Specific IoT and Applications



CONTENT



❖ Domain Specific IoT

- Home
- Cities
- Automobile
- Energy System
- Retail
- Agriculture
- Health & Lifestyle



1. How many levels of IoT are there?
2. Mention the features of IoT Level 4
3. In which level data is high?

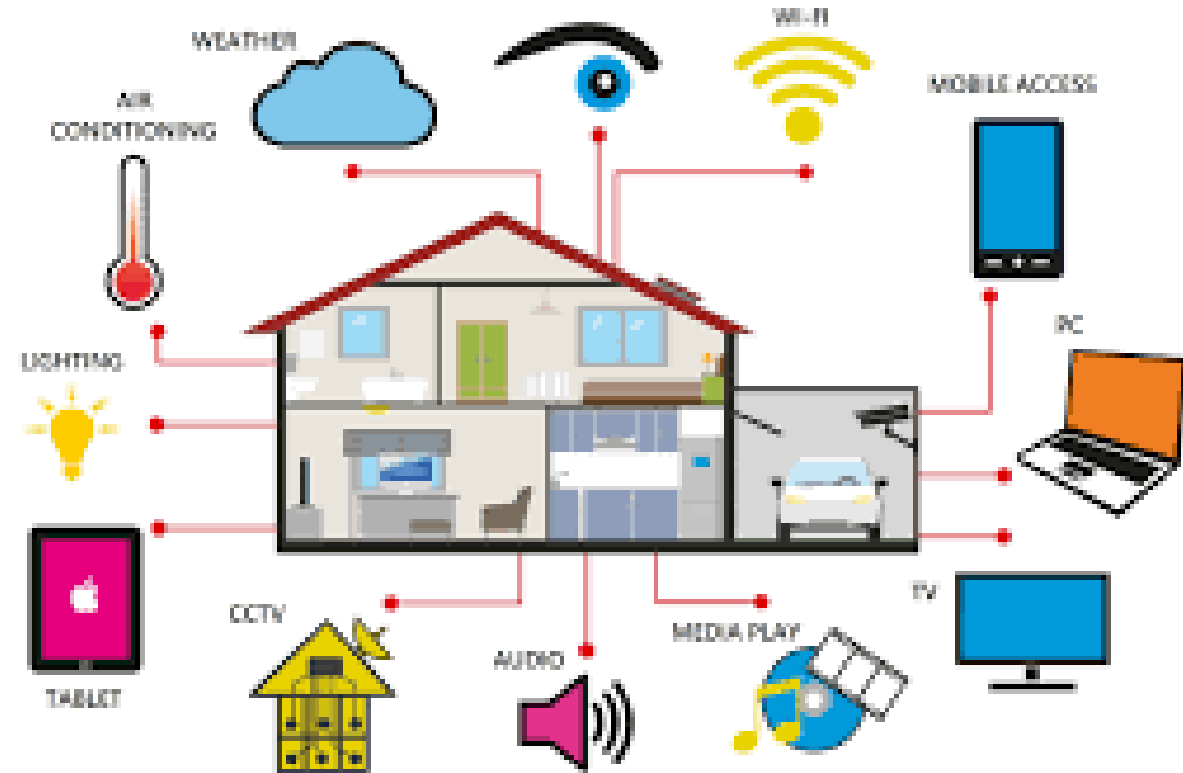




SMART HOME



- ❖ Smart Lighting
- ❖ Smart Appliances
- ❖ Intrusion Detection
- ❖ Smoke/Gas Detector





SMART CITIES



- ❖ Smart Parking
- ❖ Smart Lighting on the road
- ❖ Smart Road
- ❖ Structural Health Monitoring
- ❖ Surveillance
- ❖ Emergency Response





Automobile



- ❖ Advanced Driver-Assistance Systems (ADAS)
- ❖ In-vehicle infotainment systems
- ❖ Navigation & telematics solutions
- ❖ Predictive maintenance solutions
- ❖ Vehicle-to-Vehicle (V2V) applications
- ❖ Vehicle to Infrastructure (V2I) applications
- ❖ Vehicle to Everything (V2X) communication





ENERGY



- ❖ Smart Grid
- ❖ Renewable Energy Systems

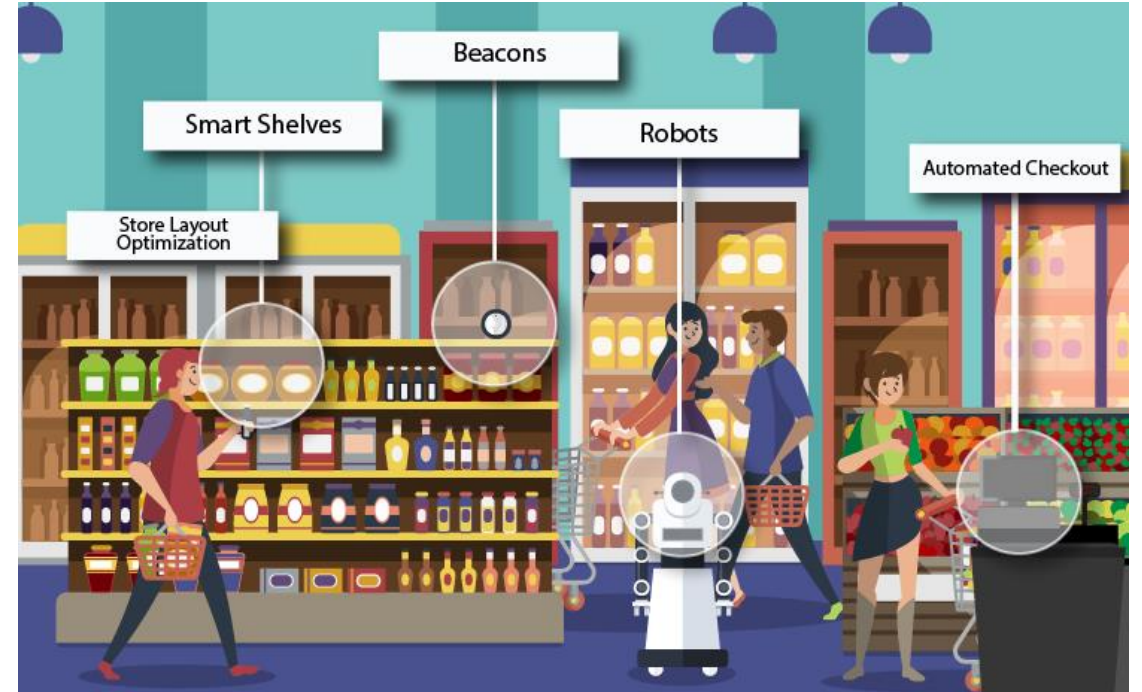




RETAIL



- ❖ Inventory Management
- ❖ Smart Payment
- ❖ Smart Vending Machine

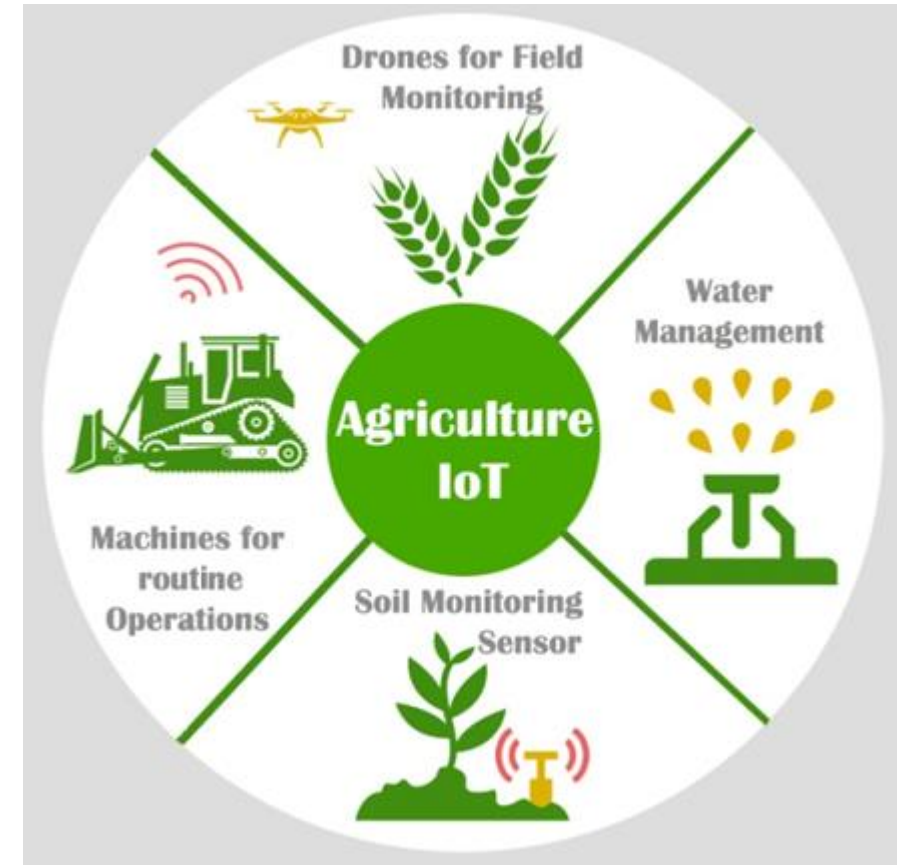




AGRICULTURE



- ❖ Smart Irrigation
- ❖ Green House Control

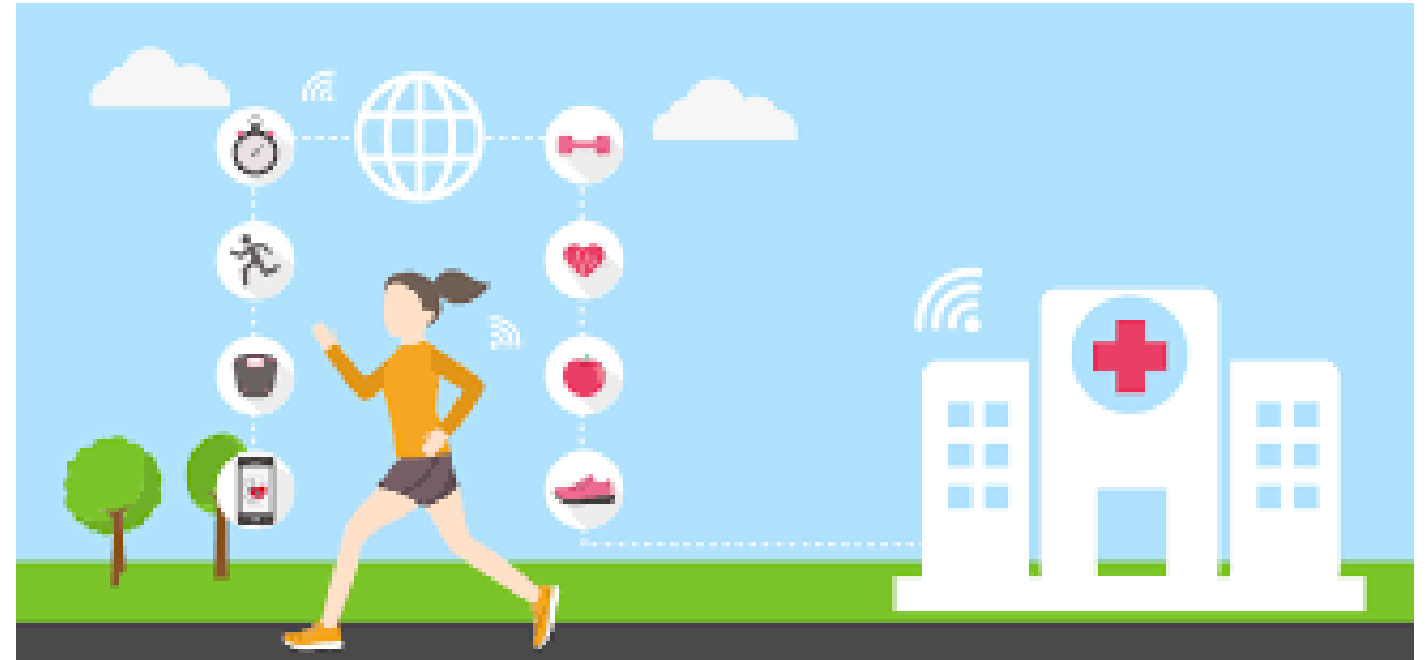




HEALTH AND LIFE STYLE

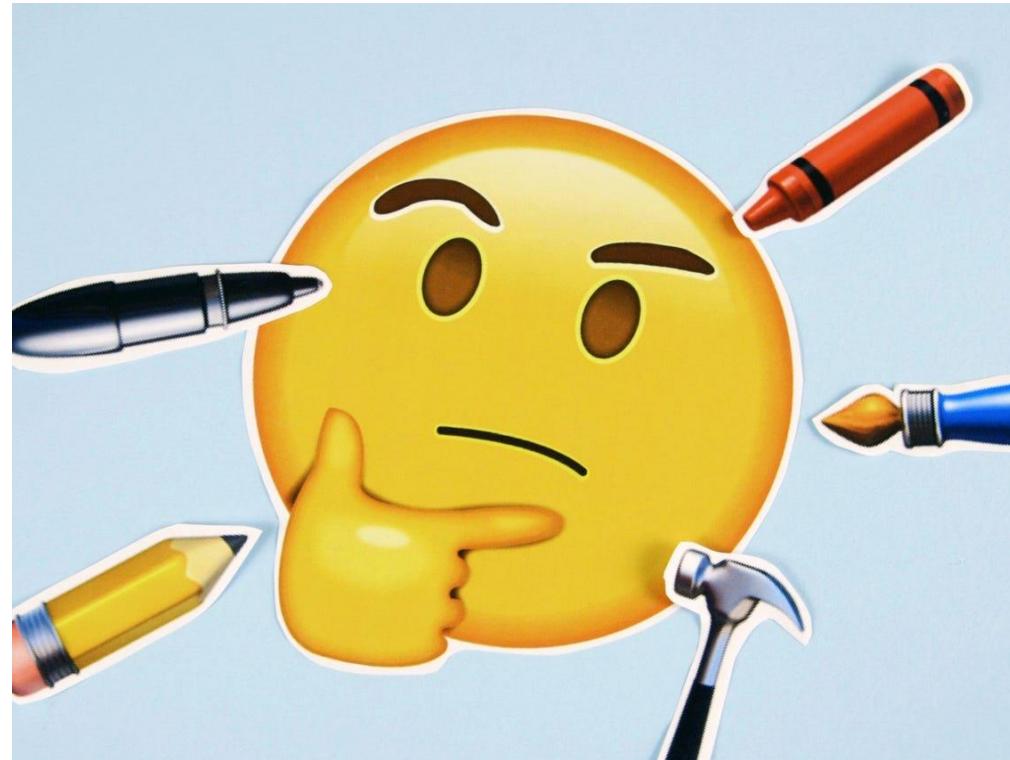


- ❖ Health & Fitness Monitoring
- ❖ Wearable Electronics





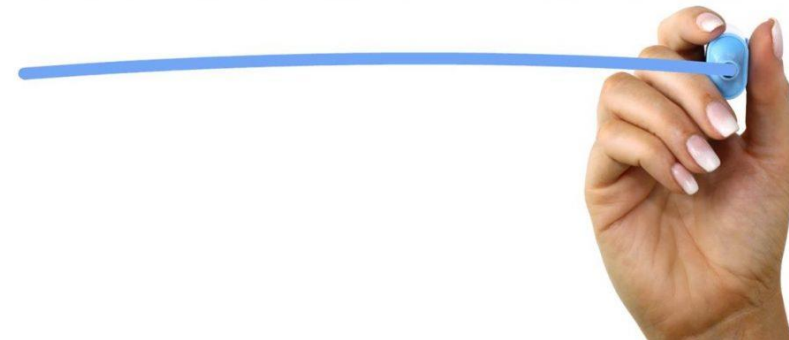
Task





1. List out some domain areas where IoT is used
2. Mention some IoT application in Automobile
3. Mention some IoT application in Smart City

ASSESSMENT





REFERENCE



❖ <https://www.slideshare.net/khusuma/domain-specific-iot>



THANK YOU !!!