**INTERNET OF THINGS**

ASSIGNMENT-1

1. State a list of 20 problem statements and applications of IOT ?

**1.HEALTHCARE** :- In managing patients data available, maintaining proper environmental conditions etc.

**2.LOCATION TRACKING** :- By using the tracking sensors.

**3.WEATHER FORECAST** :- This can be done by using the temperature and humidity sensor.

**4.POULTRY FARMING** :- IOT can be used to have data about the animals and so the health and well being of the animals can also be taken care.

**5.WATER CONSERVATION** :- A part of the Internet of Things examples in this domain is monitoring these local water levels.

**6.ULTRA-LOW-POWER ROBUST CELL :-** By the use of electronic industry.

**7.SMART PARKING** :- Among the many Internet of Things examples is the use of IoT in such facilities for counting the number of cars that have driven into the facility and the number that have driven out.

**8.AUTOMOTIVE MANUFACTURING** :- Large scale goods can be produced by using IOT technology.

**9.SMARTGRIDS** :- Using IOT the electricity wastage can be controlled which inturn reduces wastage costs.

**10.SMART LIGHTING** :-  Bulbs and battens connected to Wifi can be turned on and off remotely.

**11.SMARTHOME APPLICATIONS** :- Electrical appliances which can be easily controlled using sensors and mobile automated applications.

**12.AGRICULTURE** :- For SMARTGREENHOUSE in controlling environmental conditions.

**13.SAFETY AND SECURITY** :- In this sector also IOT is applicable.

**14.SMARTCITIES** :- In building smart cities with improvised traffic systems, management sytems etc.

**15.WEARABLES** :- Such as glucose monitoring devices or fitbits which can track the different parameters like heartbeat, number of steps walked etc.

**16.SELF-DRIVEN CARS** :- IOT are used to built these cars.

**17.CALCULATING LOGISTICS** :- The trade and economics of a company can be maintained using IOT for better maintainance.

**18.OUTDOOR SURVEILLIENCE** :- More advanced IoT devices will also be able to predict who is at the door and inform you through face-mapping technology.

**19.WASTE MANAGEMENT** :-  IoT devices can help municipal waste collectors monitor the schedule of their trucks, the capacity of waste dumps, and the overall efficiency of the process.

**20.NOISE MONITORING** :- Municipal corporations of large cities struggle incessantly with factories located inside the city that produce large amounts of noise throughout the day.

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