**20 DAY TO DAY APPLICATIONS OF IOT**

NAME:- P.KATHYAYANI

ROLLNO:- 19R11A04J1

Below are the IOT applications used in day to day life:-

**1. GENERAL PURPOSE SAFETY AND SECURITY.**

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

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

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

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

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

**7. BUILDING OF VEHICLE LOCATION TRACKING** using tracking sensors.

**8. WEATHER FORECAST:-** This can be done using temperature and humidity sensor.

9. IOT can also be used to build **SELF-DRIVEN CARS.**

**10. SMART - SUPPLY CHAIN MANAGEMENT:-** A common example can be Solutions for tracking goods while they are on the road. Backed with IoT technology, they are

sure to stay in the market for the long run.

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

**12. 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 of.

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

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

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

**16. SMART LIGHTING:-** Bulbs and battens connected to Wifi can be turned on and off remotely. Schedule for usage can be set for these devices along with their brightnesses controlled and their power consumption monitored.

**17. 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. Specific devices can also give you the exact location where you have parked your car so you are not lost.

**18. NOISE MONITORING:-** Municipal corporations of large cities struggle incessantly with factories located inside the city that produce large amounts of noise throughout the day. The application of IoT in this domain is made by fitting the premises of such facilities with sensors that continuously monitor the noise being produced by them. If noise levels are frequently above the stipulated limit, then the company is warned to comply.

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