**Assignment 1: List out 20 use-cases of Internet of Things.**

1.Monitoring elderly people for the intake of medicines at prescribed times and reminded them if correct medicines are not taken at correct intervals.

2. Finding lost keys with the location sensor which produces an instant alert if the key is left behind.

3. Developing a doorbell camera security system which allows residents to see, hear and speak to visitors via a mobile phone.

4. Develop blood pressure monitoring devices which indicates the pressure intervals at regular intervals of time and produces alert if the blood pressure exceeds the permissible limits.

5. Controlling the AC remotely depending on the temperature conditions at home before entering the house.

6. Monitoring and controlling the electronic items like light, fans, AC, refrigerator etc. remotely to save power.

7. Counting the footsteps during walking, jogging etc. and reporting the calories burnt for the user.

8. Monitoring and purchasing the grocery items at shop if it falls below a certain limit.

9. Indicate the user when the main door is not locked properly to the user when leaving the house.

10. Indicate the user about the open doors in backward when the user leaves the house locking the main door.

11. Identifying the leakage of water in taps when not in use and report to the user.

12. Monitoring gas cylinder and order for new cylinder when it is empty after giving indication to the user.

13. Automatically controlling the speed of fan depending on the weather conditions.

14. Air quality checking and providing alerts if it falls below acceptable limits.

15. Smart speaker announcing the activities based on the time for kids at home.

16. Suggesting healthy food habits and diets based on the fats level in body.

17. Monitoring kids at home and finding their hobbies and report if any mischievous activities are done by them.

18. Checking the soil nutrients and moisture and suggesting the best time to harvest plants to farmers.

19. Check the user needs and interest in shops and improve their shopping experience.

20. Smart lighting based on the presence of the user and availability of natural light.