**IoT Assessment - 1**

**APPLICATIONS OF IoT IN OUR DAILYLIFE**

* **19R11A04L4**

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**ECE 2E**

* **Proximity sensor can be used in our daily life , it is used to detect the metal objects so we can use it in the washing machine where it detects the the metal objects like earphones, coins, pen drives etc by mistakenly put into the pockets of our clothes . So it detects them**
* **It is also used at the varying parts of metals and other biodegradable or other objects**
* **It is also used in detection of metal objects by mistakenly put into the packaged food or any other packaged item**
* **Ultra Sonic sensor can be used In detection of the water overflow in the water tank**
* **Same solution can be applicable with the water flow sensor it detects the flow and water moving behaviour**
* **Temperature sensor can be used in detection of the temperature around it , it is widely used in industries and labs if any problem occurs in the lab and due to mixing if chemicals which leads to fire accident or any change temperature this sensor detects it**
* **Same solution can be applicable using the gas or smoke sensor where it detects the smoke and alerts us**
* **Face recognition sensor can be added to security of home and cars ,if a stranger trys to steal the car the sensor detects the unknown face id of tye stranger and alerts us**
* **Same solution can be applicable to the house security , where it detects the people who come infront of the entrance door and alerts us**
* **Water Quality sensor, this sensor is used to detect the ph values , chemicals of water , so it is widely used at laboratories**
* **Moisture senor can be used in detection of the Moisture levels of the plants so that it detects and alerts us to water the plants**
* **Soil Moisture senor can also be used in detection of the Moisture that means water content in the fruits and vegetables**
* **Accelerometer sensor can be used in detection of speed of the vehicles passing through the low speed limit roads if it the speed of the vehicle crosses the limit tha sensor detects and alerts us**
* **Pulse detection sensor can be used to check the pulse rate of a patient in the critical situation**
* **Heart beat detection can be done by the heart beat sensor in the wearable devices**
* **Ultrasonic sensor can also be used at the traffic signals where if the vehicle jumps the signal it detects the movement and alerts**
* **Smart meters ,these are used in such a way that they are useful to remind us the excess consumption of electricity like if the consumption of electricity by the appliances in the room is more then it reports us so that we can take care**