MUTHAYAMMAL ENGINEERING COLLEGE

An Autonomous Institution,
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IBM (Nalaiya Thiran) Project Ideas 2022

SABARI S (MECR19EC080)

1. Flood Detection System

Floods are common natural calamities that occur in many countries every year—causing a lot of damage. The early flood detection system is a great real-life application of IoT, which can prevent the enormous loss of life, property, and valuable assets.

This system is built to monitor and detect different natural factors like temperature, humidity, water level, etc., to predict a flood. It allows us to take necessary measures to minimize the damage, which a flood can cause.

2. Smart Garage Door

It's annoying when you have to reach somewhere in a hurry, but first, you have to open the garage, take out your car, and close the doorSmart Garage Door is the best project you can work on. You can operate your garage door via your smartphone integrated with an IoT network. It also cancels the problem of carrying bulky keychains.

The system features laser and voice commands and smart notifications for monitoring purposes.

3. Wheelchair Fall Detection

Sometimes, because of old age or an accident, people have to use a wheelchair. But many people fall from those wheelchairs due to various reasons.

To help them, you can work on the wheelchair fall detection project. While you are using a wheelchair, any jerk will be counted as a fall from the wheelchair that will trigger the alarm.

Sometimes the alarm triggers without anyone falling. You can stop the alarm within seconds.

4. Smart Anti-Theft System

This IoT-based security system is programmed to monitor the entire floor of the building for tracking any kind of unusual movement. When turned on, a single movement could trigger an alarm, thereby alerting the owners of the property about unwanted visitors. It works something like this – whenever you vacate a house or a building, the Piezo sensor is turned on for tracking any movement in and around the property.

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