INDUSTRY-SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM

IDEATION-1:

Our project aim is to detect the fire accident in Industries. Industry fires generally occurs may result in human deaths. So that, it must be detected early and alert the information to the admins through cloud services. We use flame sensor to detect the fire and inform the fire station by using wifi module, buzzer alarms at the fire station. Finding exact location of where fire happens is very difficult to make it easier we have to add google map with cloud services to get exact location.

IDEATION-2:

Industry fire is the very dangerous that will harmful to Humanlife and Environment. It could be avoided if a robust system could be deployed in industries to detect the fire and alert to Fire station authority to take immediate action. Our project intention is to build a industry fire detection system using IOT which would detect the fire and send an emergency alert to Fire station through IOT.A GSM/GPRS module is used to communicate with IOT sever.

IDEATION-3:

Our project deals with the detection and management of Industry fire. Industry fire are very common which is a massive disaster to the environment and Humanlife. In order to protect these, there need to be taken early caution measures to control the spreading fire. Usually it requires massive dependency of man power, transportation facility will leads to delay in taking actions.The DHT11 and flame sensors detects the fluctuation in the temperature and humidity continuously and using Node MCU microcontroller which is also a Wi-Fi module sends these values to the cloud as database, if these value exceeds the threshold value then a pop up alert message will be sent by the cloud to the respective department immediately. Where we can avoid major loss and spreading of fire to large area at its early stage.