**Project Description**

The Internet of things (IoT) is a combined system of devices, sensors, circuits that contain hardware, software, programming and network connection which make these things to interface, collaborate and exchange information. IoT initiate expanding and connecting Internet network and data over normal devices, in areas like offices, working areas, mobile phones and other computational and software devices, to huge scope of general non-web and non-network related physical devices and ordinary software tools. Made with innovation, these devices can connect and work in with the Internet, and they can be remotely monitored and controlled. The usage of the Internet of things has advanced as in accordance with the advancement of large number of innovations, ongoing researches, Artificial Intelligence(AI), Machine Learning(ML), sensors and implantable frameworks and devices. Conventional installable frameworks, remotely controllable sensor systems, computerization methods like methods used in home and building automation, and all other systems add upon in the aim of empowering the Internet of things(IoT). Our Project focuses on a gas leakage monitoring and alerting system which overcomes the problem or scenarios like, gas spill due to a hole of petroleum gas or some other vaporous item from a pipeline, container, tube etc.The leakage should be noticed before it creates an impact on the area where the gas should not be proposed. Since, even a little hole can develop a hazardous leakage of gas over some circumstances, gas leakages are dangerous. Sometimes leads to emergence of fire, flame and blast, gas leakage can cause financial loss, loss to life and can cause damage to the environment.