Synopsis

The purpose of this project is to provide the following objectives for safety of sewage workers. The condition of the sewage acts as an input using water level sensor, Gas sensor detectors and condition of workers using pulse oximeter. It measures and analyse the real-time levels of toxic gases in order to ensure safety of the workers working under such severe conditions.

 • To provide safety for sewage workers

 • To avoid deaths of sewage workers due to toxic gases and low blood oxygen level.

 • To develop cost friendly system

 • To update the readings in real-time over ThingSpeak analysis tool.

 • To alert the worker if any parameters exceed.

• As soon as parameters exceeds, SMS alert is sent via GSM module

System will generate the alert using alarm system by which the higher authorities will take proper action on it. The module is implemented using Wireless Sensor Networking (WSN) technology each node will carry its own data along with the data of neighbouring node and will pass it to next node by hopping techniques. These entire data packet will be collectively sent by the gateway node and stored at the cloud all these data will be accessible in real-time scenario for continuous monitoring