Project Planning Phase
Milestone & Activity list

Date	27 October 2022
Team ID	PNT2022TMID03488
Project Name	Project -Hazardous Area Monitoring For Industrial Plant Powered By IoT
Maximum Marks	8 Marks

Milestone

The Hazardous Area Monitoring For Industrial Plant Powered By IoT used gas sensor MQ-5 and temperature sensor and raspberry pi. Things speak cloud services for mobile notification and also analyzed the data by using MATLAB code to generate graphs. We used a gas sensor MQ-5 and temperature sensor and raspberry pi.

The control systems operate inside the factory and handle all the automatic processes, both those related to the production itself and other auxiliary ones such as security, maintenance or logistics The main components in these kinds of systems are the PLC (Programmable/Logical Controller): microcontrollers that can receive analogical and digital signals and generate a real-time response in response to them. ENVIRA IoT has developed a group of Drivers for the interoperability of PLCs through standard industrial protocols such as SPI, MODBUS, CANbus or Profibus; thereby integrating the systems in the plant with any kind of IoT industrial networks and platforms.

Activity List:

All the data are transmitted to the Envira DS platform, which enables its integration with SCADA systems (industrial systems for the acquisition and display of data generated by the automatic control system in the plant) with industrial IoT platforms or with any kind of application or system for data processing, analysis and exploitation.

Phase 1: Information collection and Requirement Analysis

Phase 2: Project Planning and Developing Modules

Phase 3: Implement the high accuracy deep learning algorithm to perform

Phase 4: Deploying the model on cloud and testing the model and user interface performance