

Project Proposal

Course: CSE 331

Faculty Initial: RSF

Section: 4

Semester: Fall 2019

Group Members:

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Title: Fire Alarm using PIC16 Microcontroller

Objectives:

- Learn the use of a PIC microcontroller
- Observer the similarities and dissimilarities with MPU 8086
- Implement a PIC system for a real-world problem

Application:

- Can be used as a fire alarm in home and offices
- Can be used to detect combustible gas like methane
- Detect industrial gas leakage

Components:

- PIC16F877A
- PICKit 3
- Gas Sensor MQ-2
- Buzzer
- Resistors, Potentiometer, Capacitors, Voltage Regulator
- LCD display

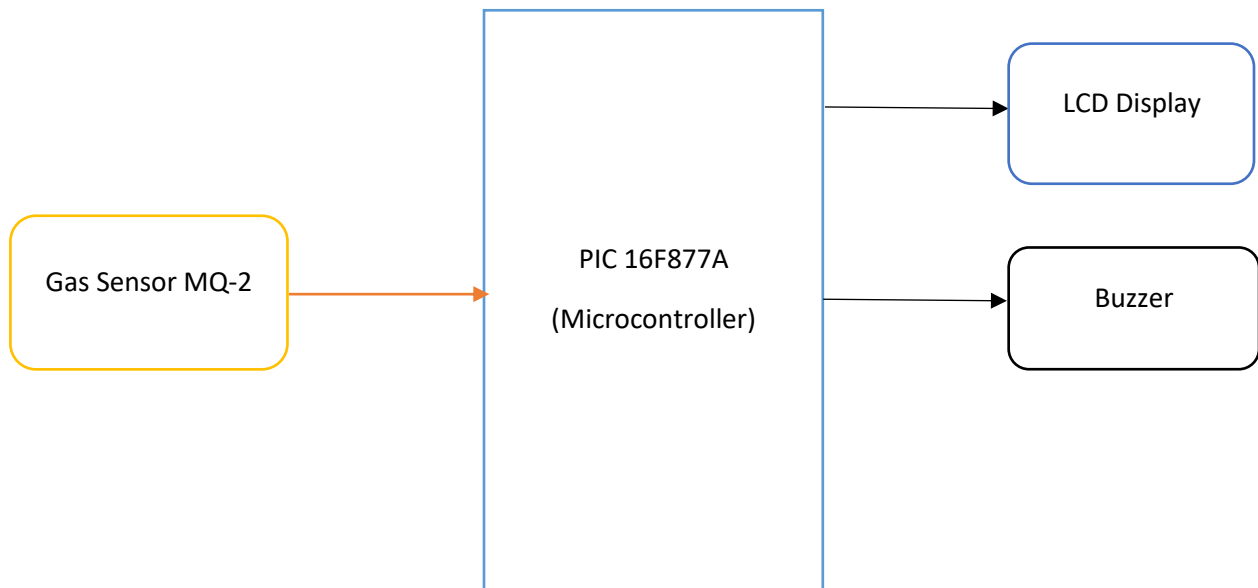


Fig. Block diagram of fire alarm