./



Version Number:

Team Members :

Team No:

Module: Model Based System Engineering

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ver.Rel. No.** | **Release Date** | **Prepared. By** | **Reviewed By** | **Approved By** | **Remarks/Revision Details** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Document History**

# 

Fire System Detector

REQUIREMENTS

Low level Requirements

\*Flame sensor should detect that fire has occurred or not

\*Provide the output to the microcontroller

\*Then the result should be displayed on the LCD Display

High Level Requirements

\*If the fire is occurred ,Buzzer should get on

\*LCD Display of the exit points

\*It should be cost effective

Block Diagram for Fire System

POWER

SUPPLY

FIRE

SENSOR

8051

Micro-Controller

BUZZER

LCD DISPLAY

Components

1.8051 Microcontroller

2.Flame sensor

3.connecting wires

4.Buzzer

5. LCD Display

6. Resistors

7. Diodes

8. Power supply