Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID48307
Project Name	Project – Industry specific intelligence fire management system
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.
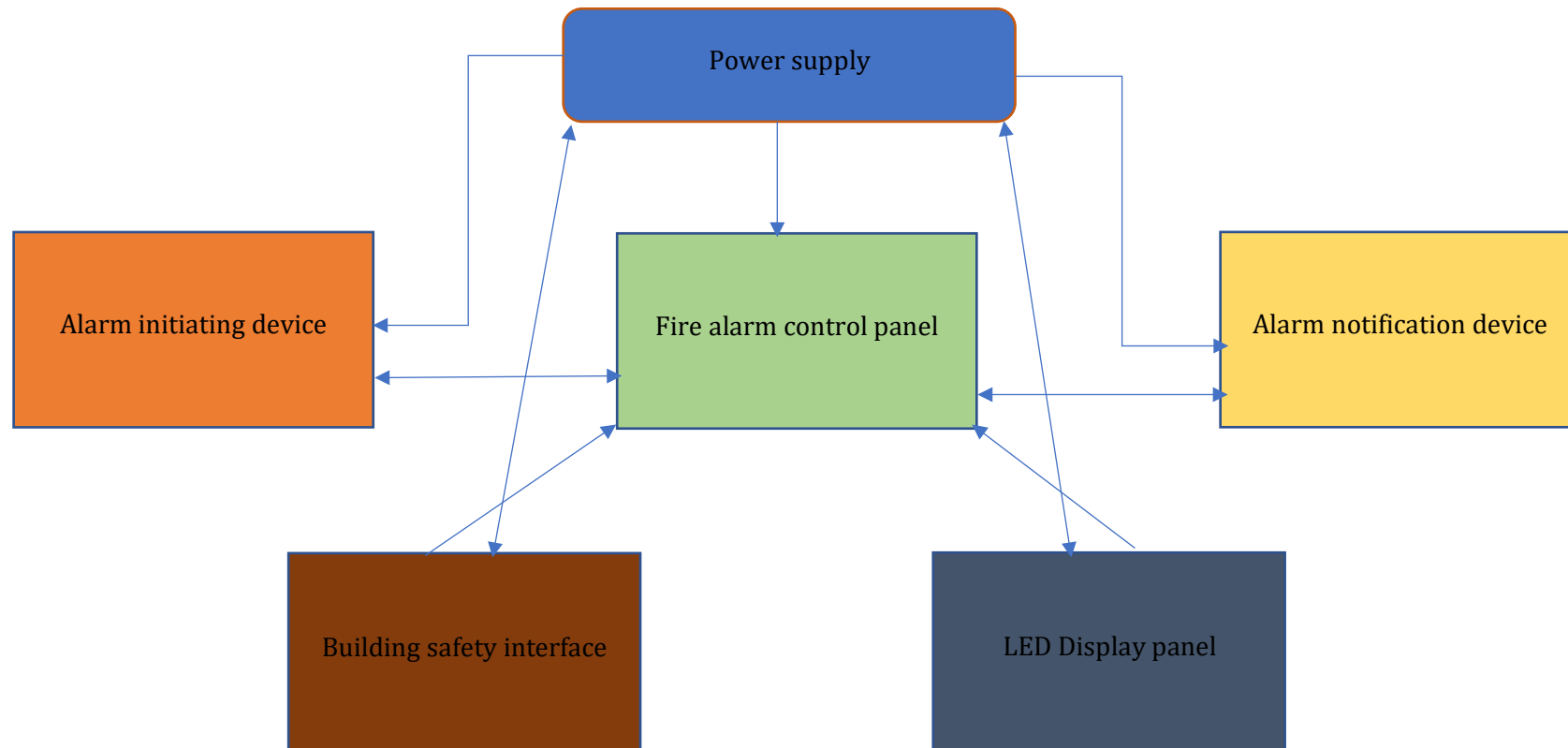
DATA FLOW:

POWER SUPPLY:

A Power Supply is an electrical device that supplies electrical power to an electrical load

ALARM INITIATING DEVICE:

These devices connect to the alarm system's control panel and are under the control panel surveillance

FIRE ALARM CONTROL PANEL :

Each device constantly communicates with the control panel through IoT technology to report its status within seconds, alarm supervisory and trouble conditions are alerted to the control panel and a precise location of the event is displayed DISPLAY PANEL:

The display will show the location of the alarm ALARM

NOTIFICATION DEVICE:

A fire alarm notification appliance is an active fire protection component of a fire alarm system. A notification appliance may be use audiable or visible alert the workers and fire officials

User Stories

USER TYPE	FUNCTIONAL REQUIREMENT	USER STORY NUMBER	USER STORY/TASK	Acceptance criteria	Priority	Release
Developer	System building	USN-1	Collecting data from the sensor	I can collect data from sensor	High	Sprint-1
		USN-2	Implementing Arduino uno from data	I can Implementing the arduino	High	Sprint-2
		USN-3	Message alert to fire officials	I can receive the message	High	Sprint-1
		USN-4	Fire officials identify the problem and resolve it by using mobile application	I can try to solve the problem	High	Sprint-2
CUSTOMER (WEB USER)	Monitor	USN-1	The automatic nature of fire alarm monitoring means valuable time isn't lost between the start of the	I can monitor the industry	Medium	Sprint-1

			emergency and first responders arriving on the scene			
	Detection	USN-2	Detect the temperature, Smoke, flame, containment and extinguisher	I can detect the fire accident in the industry	High	Sprint-2