

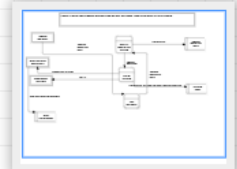
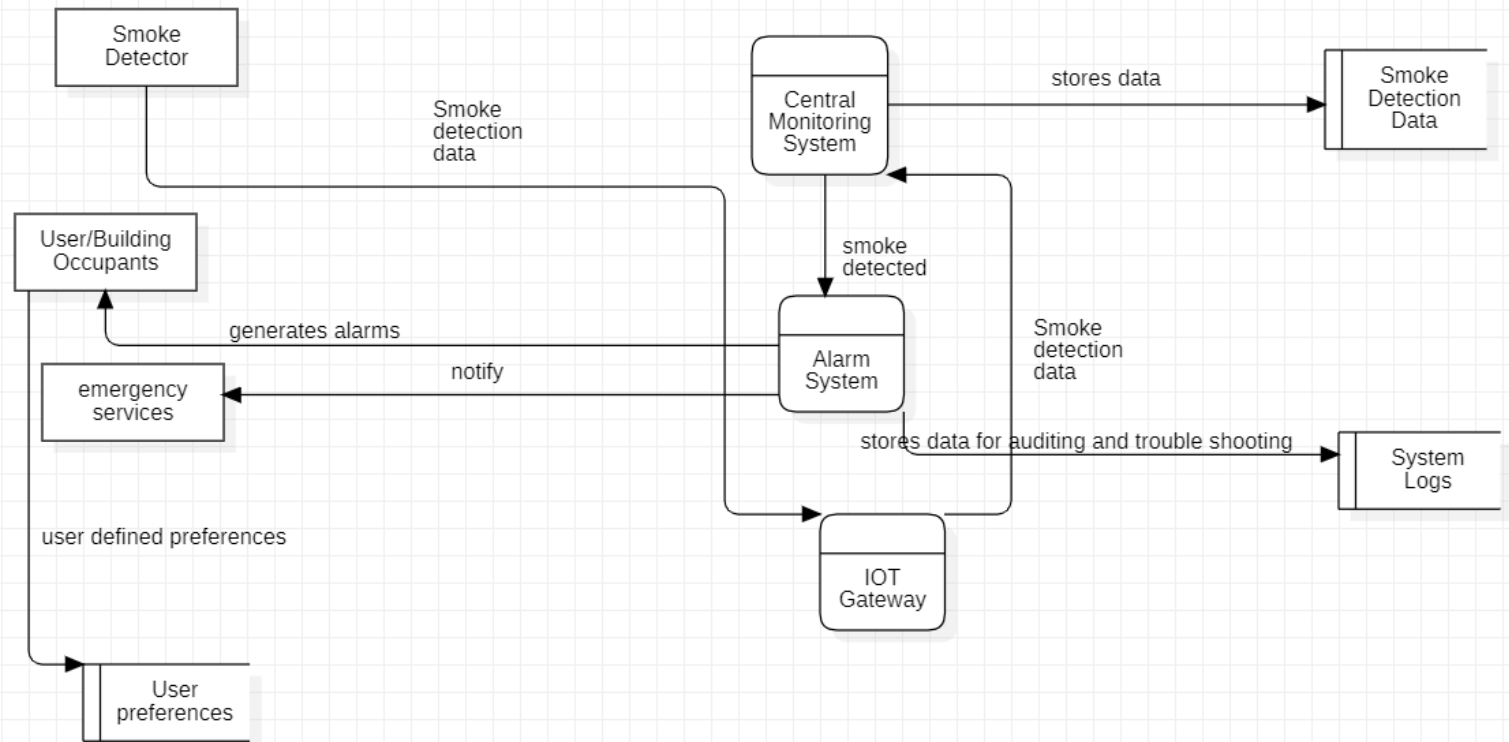
Project Design Phase-II
Data Flow Diagram & User Stories

Date	23 October 2023
Team ID	Team-592381
Project Name	Project - Detect smoke with the help of IOT data and trigger a fire alarm
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.

LEVEL 0 DFD FOR SMOKE DETECTION USING IOT DATA AND TRIGGER A FIRE ALARM



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Employee	Smoke Detection System	USN-1	As an employee, I want the system to provide real-time monitoring of the industrial facility's air quality, so I can work in a safe environment.	Smoke data received from IoT devices.	High	Sprint-1
		USN-2	As an employee, I want the system to immediately trigger alarms if smoke is detected, so I can evacuate and ensure my safety in case of a fire hazard.	Alarm triggered when smoke is detected.	High	Sprint-1
		USN-3	As an employee, I want the system to provide clear instructions for safe evacuation, so I can follow emergency protocols effectively.	Evacuation instructions provided with alarm	High	Sprint-1
		USN-4	As an employee, I want the system to allow for manual alarm acknowledgment, so I can confirm my safety during evacuation.	Employees can acknowledge alarms through a user interface.	Medium	Sprint-1
		USN-5	As an employee, I want the system to provide historical data for safety drills and compliance audits, so I can ensure regulatory compliance	System stores historical smoke detection data.	Medium	Sprint-2
		USN-6	As an employee, I want access to user preferences to customize alert settings, so I can tailor my experience with the system.	User preferences can be configured through a user interface.	Medium	Sprint-2
Facility Manager	Smoke Detection System	USN-7	As a facility manager, I want to receive notifications of alarm events and access historical data for safety management, so I can ensure the facility's safety and compliance	Facility manager receives alarm notifications	High	Sprint-3