Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID44045
Project Name	Project – Emerging method for Early Detection of forest fire
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.

```
                        ┌──────────────────────────┐
              ─────────▶│   Detect fire by sensors │◀─────────
              │          └──────────────────────────┘         │
              │                       │                        │
              │                       ▼                        │
              │          ┌──────────────────────────┐          │
              │          │ Collect data from the sensors │       │
              │          └──────────────────────────┘          │
              │                       │                        │
              │                       ▼                        │
              │    Yes          ◇ Fire Detected ◇      No      │
              │      ┌──────────◀                ▶──────────────┘
              │      │
              ▼      ▼
        ┌─────────────────────────┐
        │ Activate camera and alert │
        │   region control office   │
        └─────────────────────────┘
                    │
                    ▼
        ┌─────────────────────────┐
        │ Capture video/image and send │
        │     data to control room     │
        └─────────────────────────┘
                    │
                    ▼
  Yes        ◇ Can be control by ◇     No      ┌─────────────────────────┐
  ◀──────────  region control room  ──────────▶│   Central control room   │
                                               │ sends help to that region │
                                               └─────────────────────────┘
```
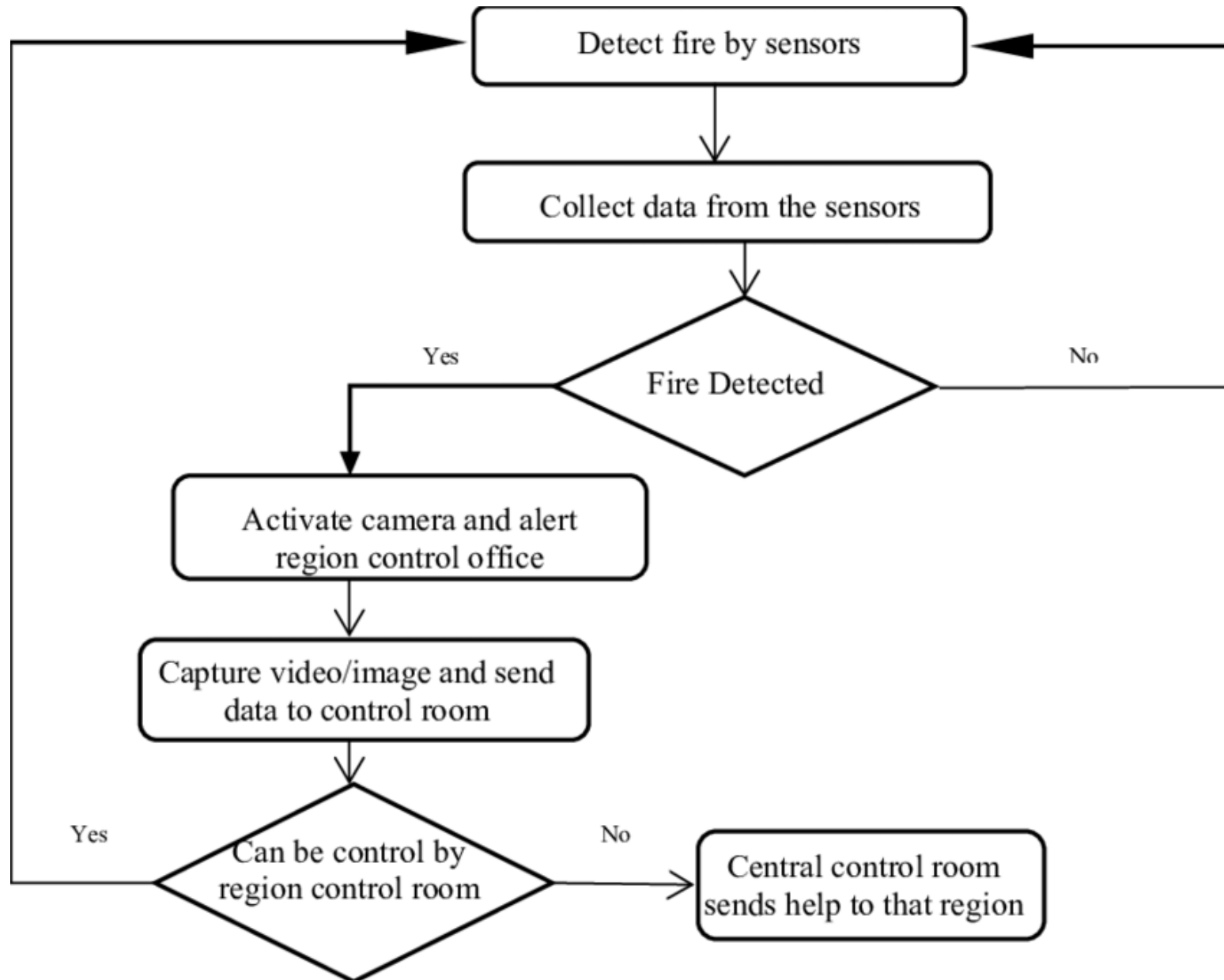
User Stories

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
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
Customer Details	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
Customer uses	Dashboard	USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
Customer Options	Stay with outside fires until they are completely safe and dead out.	USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with Facebook Login	Medium	Sprint-1
Customer Usage	Login	USN-5	As a user, I can log into the application by entering email & password	I can log in and view my dashboard at my demand on any time	High	Sprint-1
Customer Needs to go	Dashboard	USN-6	As a user I must capture images of forest fire and upload it in web portal.	I can take video of forest fire and upload	High	Sprint-2
Customer (Web user)	Details about estimated cost based on damage	USN-7	As a user I must receive detailed report of damages caused by forest fire	Estimate the cost to rebuild it	High	Sprint-3
Customer Care Executive	Provide efficient and friendly customer support and sort out the quires	USN-8	As a user, I need to get support from developers in case of forest fire and failure of service provided	I can have safe user experience and all the issues raised is sorted	Medium	Sprint-4

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Administrator	Overview the entire process and act as a bridge between user and developers	USN-9	We need to satisfy customers' needs in an efficient way and make sure any sort of emergency Are fixed	I can finish the work without any problems	High	Sprint-4