Project Design Phase-II

Data Flow Diagram & User Stories

Team ID	PNT2022TMID28739
Project Name	Emerging Methods for EarlyDetection of Forest Fires
Maximum Marks	4 Marks

Data Flow Diagrams:

```
                              ┌─────────────────────────┐
                    ┌────────▶│  Detect fire by sensors │◀────────┐
                    │          └─────────────────────────┘         │
                    │                      │                       │
                    │                      ▼                       │
                    │          ┌─────────────────────────┐         │
                    │          │ Collect data from the   │         │
                    │          │       sensors           │         │
                    │          └─────────────────────────┘         │
                    │                      │                       │
                    │                      ▼                       │
                    │                   ╱      ╲                    │
                    │                  ╱  Fire  ╲───────────────────┘
                    │◀────────────────⟨ Detected ⟩
                    │                  ╲        ╱
                    │                   ╲      ╱
                    │                      │
                    │                      ▼
                    │    ┌─────────────────────────┐
                    │    │ Activate camera and alert│
                    │    │   region control office  │
                    │    └─────────────────────────┘
                    │                 │
                    │                 ▼
                    │    ┌─────────────────────────┐
                    │    │ Capture video/image and  │
                    │    │  send data to control    │
                    │    │         room             │
                    │    └─────────────────────────┘
                    │                 │
                    │                 ▼
                    │              ╱      ╲            ┌─────────────────────────┐
                    │             ╱ Can be ╲           │ Central control room    │
                    └────────────⟨ control by ⟩───────▶│ sends help to that      │
                                  ╲ region   ╱         │       region            │
                                   ╲control ╱          └─────────────────────────┘
                                    ╲room  ╱
                                      ╲  ╱
```
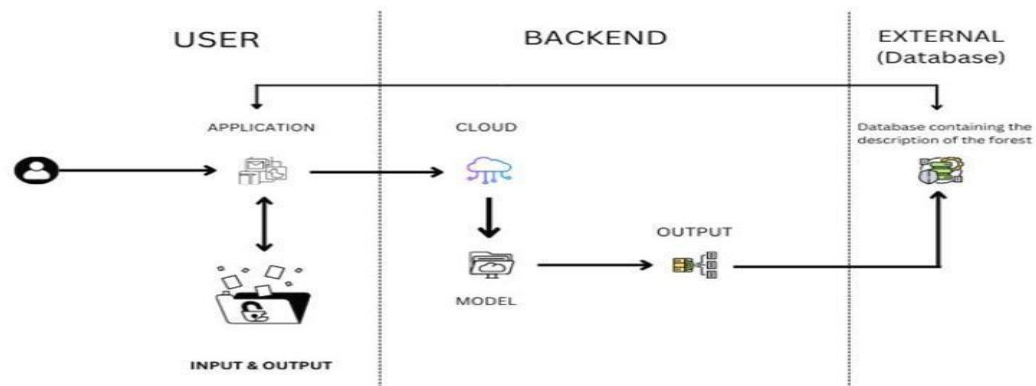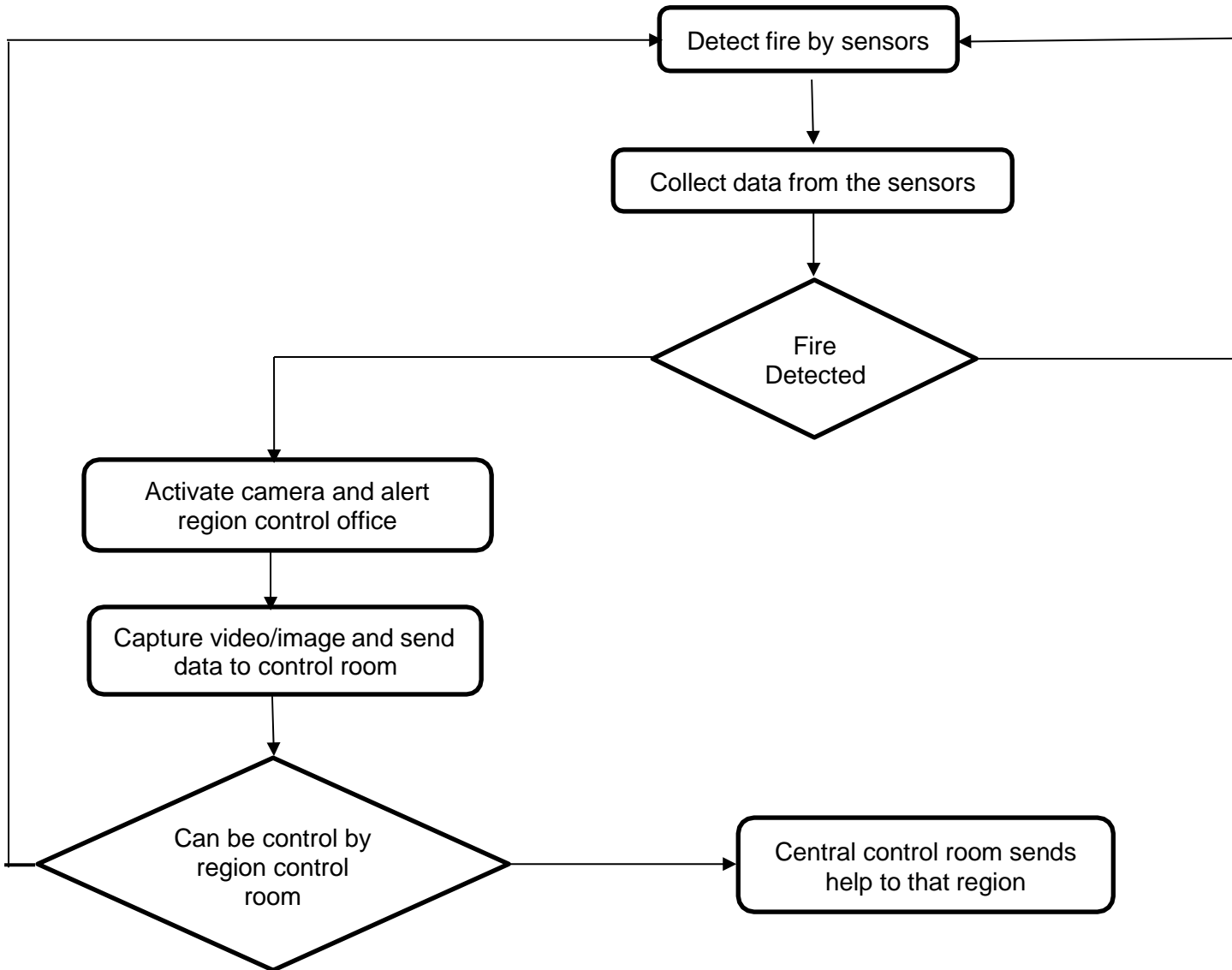
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Forest Officer)	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 (Forest Officer)	Registration	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 (Forest Officer)	Registration	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 (Forest Officer)	Registration	USN-4	As a user, I can register for the application through Gmail	I can directly login through Gmail account	Medium	Sprint-1
Customer (Forest Officer)	Login	USN-5	As a user, I can log into the application by entering email & password	I can access all the features available in application	High	Sprint-1
Customer Care Executive	Contact	USN-6	As a customer care executive, I can solve all the login issues and technical issues.	I can contact customer support any time	Medium	Sprint-4
Administrator	Database	USN-7	As an admin, I can manage database management and server management	I can access data without any delay	High	Sprint-2
Customer (Forest Officer)	Dashboard	USN-8	As a userI can get all the details like location and cause of the forest fire	I can find the main reason for the forest fire through the sensors.	High	Sprint-3