Project Design Phase-II
Data Flow Diagram & User Stories
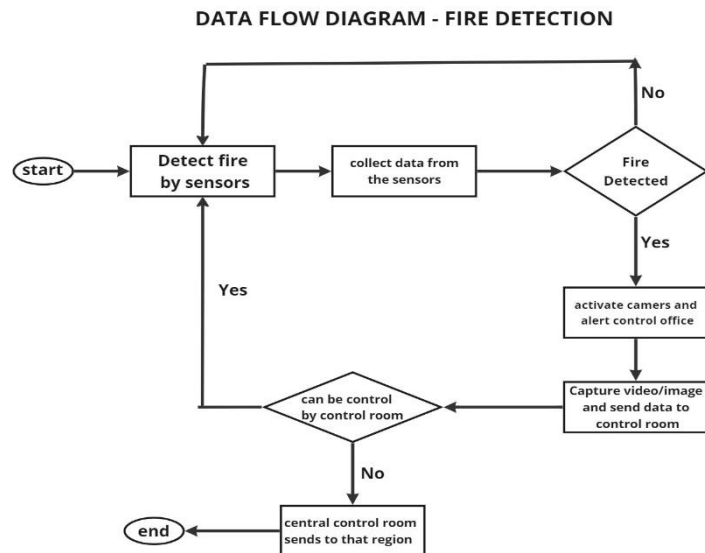
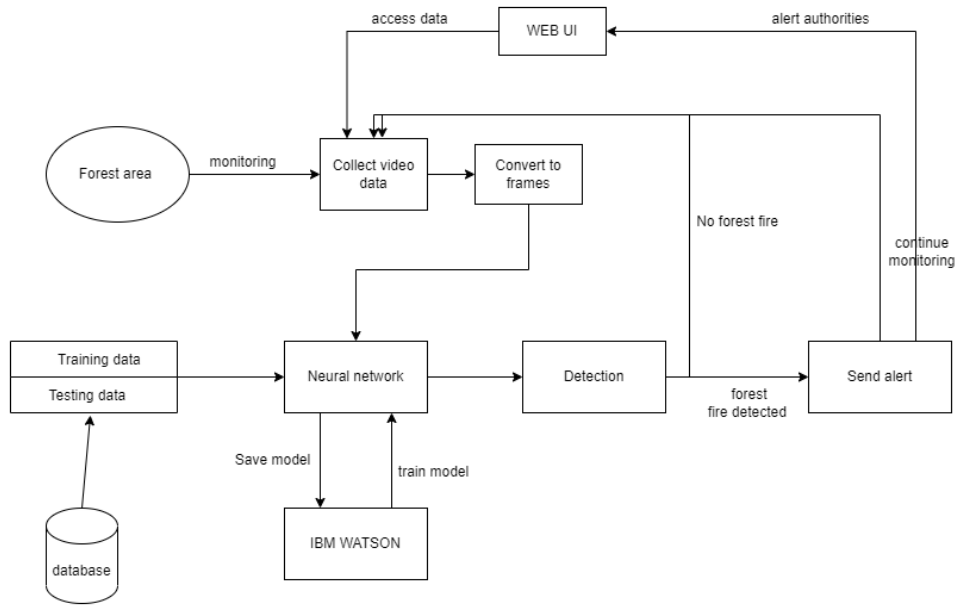| Date	06 October 2022
Team Leader	Arun Vignesh S
Project Name	EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES
Maximum Marks	4 Marks

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.

Example:

Example: DFD Level 0

DATA FLOW DIAGRAM - FIRE DETECTION

access data — WEB UI — alert authorities

Forest area — monitoring → Collect video data → Convert to frames

No forest fire

continue monitoring

Training data / Testing data → Neural network → Detection — forest fire detected → Send alert

Save model / train model

IBM WATSON

database

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (web 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
		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-2
	Login	USN-3	As a user, I can register for the application through Gmail single sign on	Registration sucessfull	Medium	Sprint-2
		USN-4	As a user, I can log into the application by entering email & password	Login successful	High	Sprint-1
	Dashboard	USN-5	As a user, I receive notification if any fire is detected	I can receive the notification if I'm the control service	High	Sprint-1
Administrator		USN-1	Admin is able to manage and maintain database	IBM Watson stores all the data	High	Sprint-1