Project Design Phase-II
Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	**PNT2022TMID43256**
Project Name	Emerging Methods for Early Detection Of Forest Fire
Maximum Marks	4 Marks

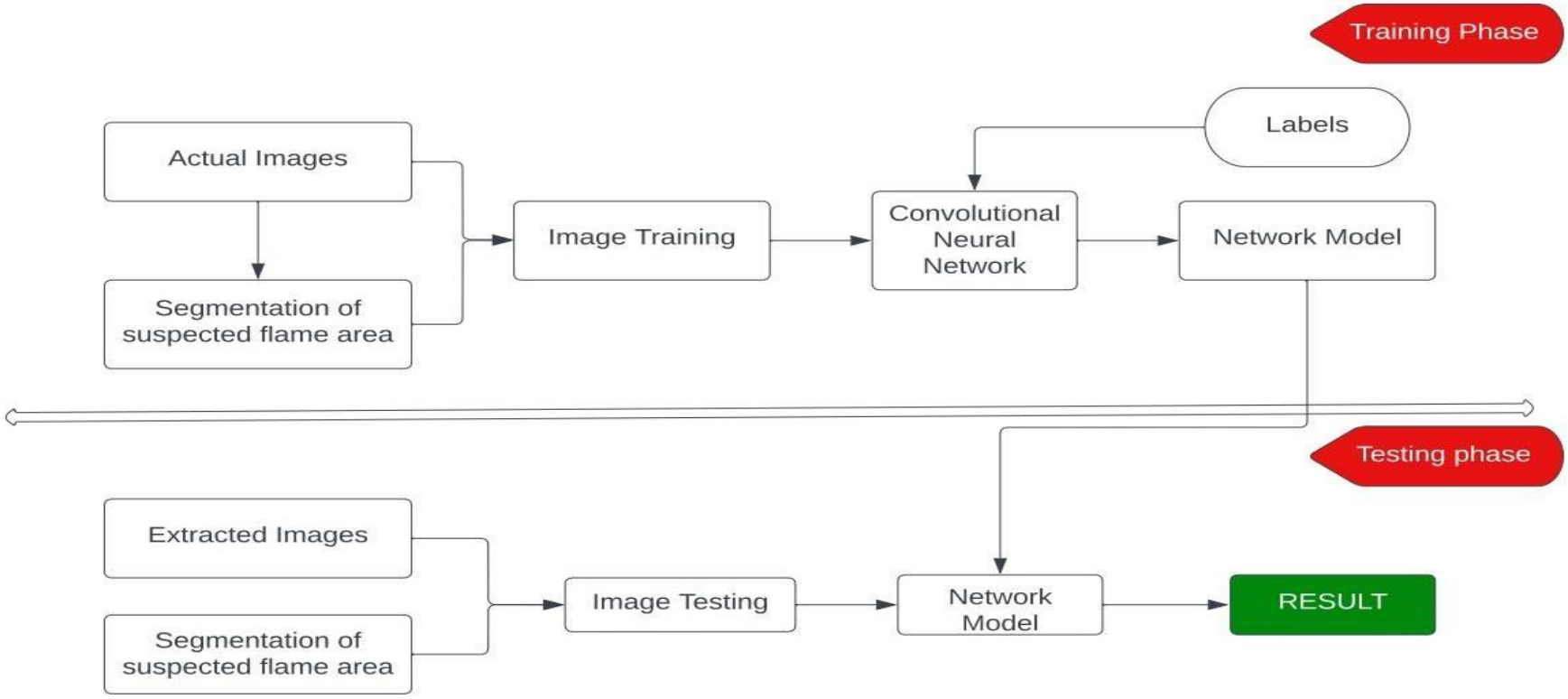
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Forest authority-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
	Registration Process	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
	Registration Process	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
	Registration Process	USN-4	As a user, I can register for the application through Gmail	I can get in to portal via logging with email	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	On successful registration, I can log in to the application	High	Sprint-1
	Dashboard	USN-6	As a user, I can reset my password by forgot password link	I can change my password for recovery	Medium	Sprint -2
Customer (Web App user)	Log in	USN-7	As a user, to monitor the suspected area I can login to monitoring portal	In web-app I can monitor the Flame suspected area	Medium	Sprint -2
	security	USN-8	As a user, Only with valid login credentials I will be redirecting into portal	In web-app on entering valid log in credentials I will be redirecting to the user portal	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Fire Station - Higher Officer)	Getting Information	USN-10	As a user, I would get the Alert of fire in the forest and the fire's spread range which had been measured by the deep learning algorithms.	I will get the details of the fire	High	Sprint 3
		USN-11	As a user, I will also get to know about the exact location of the fire area which is directed by the GPS.	I can able to get there as I know the location	High	Sprint 3
	Analysing	USN-12	As a user, I need to analyse the information and get into the decision to suppress the fire in the forest.	I can take a decision as I have experience in forest fire handling	High	Sprint 3
	Ordering	USN-13	As a user, I would order my officers to get to the fire's location and take such measures to stop the fire.	I am the higher authority and can give orders to them	Medium	Sprint 4
Customer (Fire officer)	Viewing	USN-14	As a user, I need to gather the information from the real scenario. And so would view the forest clearly to take the measures.	I know the location and can get there and view it	Medium	Sprint 5
	Obeying the orders	USN-15	As a user, I need to obey my higher officers command and take the measures mentioned by them.	I am in the way to obey the orders	Medium	Sprint 4
	Suppression of fire	USN-16	As a user, I will look up the fire range. if it is spreading fast, then I would prioritise methods such as acid rain, using chemicals to stop the flame	I am already trained for such situations and it would help me to do this work.	High	Sprint 2
		USN-17	As a user, I Will observe the forest. If the fire's range is not so furious, then it's easy to suppress the fire using sand and water	I can able to easily manage the scenario	High	Sprint 2

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.



Schematic repesentation - Emerging Methods for Early Detection Of Forest Fire