Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID51669
Project Name	Emerging Methods 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.
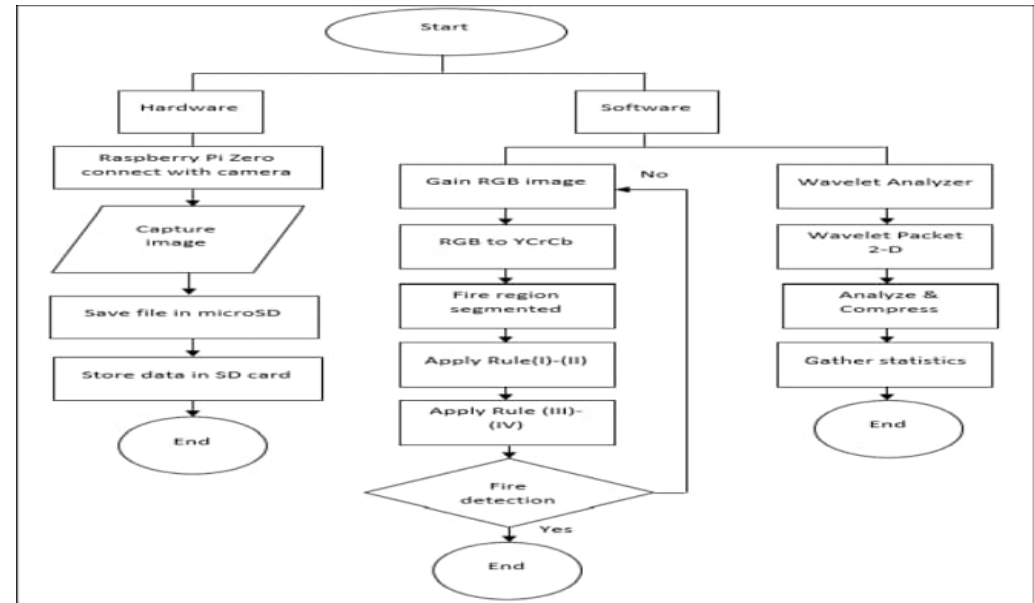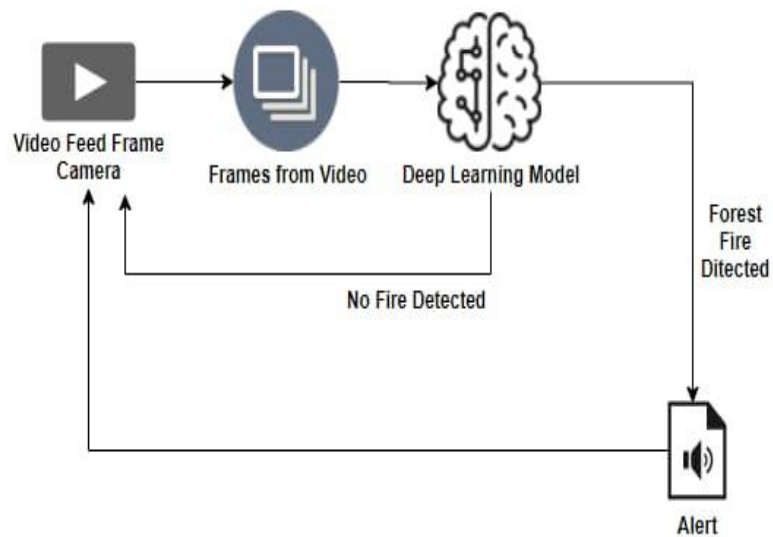
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Forest Office Control Room (Normal times)	Surveillance	USN-1	The camera watches the activities in forest area and feed the video to forest office control room	The user gets the knowledge what is happening in forest and be alert	Medium	Sprint-2
Fire Department	Being Alerted by Alarm	USN-2	As a user, they will be alerted earlier or at the starting stage of Forest Fire and location can be shared	Due to the early alert received , the fire department can arrive to the fire spot early and control forest fire easily	High	Sprint-1
Police Patrol Control Room	Being Alerted by Alarm	USN-3	As a user, they will be alerted earlier or at starting stage of Forest Fire with location	Due to the early alert received, the police patrol can arrive to fire spot earlier and help to evacuate nearby villages , save tribal peoples , sealing certain areas to prevent the unwanted entry of outsiders into danger zone	High	Sprint-1
Forest Office Control Room (In case of Forest Fire Alert)	Being Alerted by Alarm	USN-4	As a user, they will be alerted earlier or at starting stage of Forest Fire with location	Due to the early alert received, the forest department can arrive earlier to fire spot and protect nearby tribal people, nearby villagers and also animals as possible	High	Sprint-1