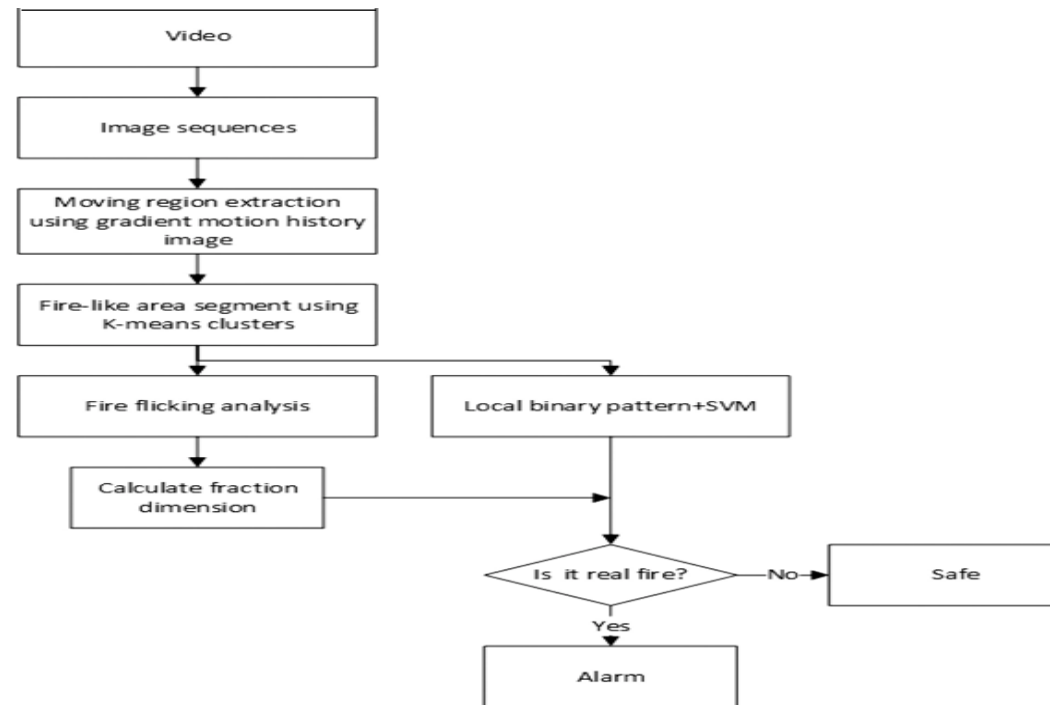


## Project Design Phase-II

### Data Flow Diagram & User Stories

Date	24 October 2022
Team ID	PNT2022TMID33969
Project Name	Emerging Methods for Early Detection of Forest Fires
Maximum Marks	4 Marks

#### Data Flow Diagrams:



## User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer(Mobile user, Web user)	Battery	USN-1	As a user, I can know how long the battery lasts.	It helps me to done the entire survey in one charge.	High	Sprint-1
	Front facing camera	USN-2	As a user, I can know the resolution of the camera.	I can detect the obstacle.	low	Sprint-2
	Ground facing camera	USN-3	As a user, I can know the resolution of the camera.	It has high resolution ability, which shows me near infrared pictures	Medium	Sprint-2
	Microcontroller	USN-4	As a user, I can know how microcontrollers works.	I can see how microcontrollers allows the system to interface with wide variety of sensors.	High	Sprint-3
	Sensors	USN-5	As a user, I can know how sensors works.	I can sense and avoid obstacles.	High	Sprint-3
	GPS receiver	USN-6	As a user, I can see what is tagged with GPS.	I can capture near infrared images and tag them with GPS.	High	Sprint-4
	Gyroscopes	USN-7	As a user, I can see how gyroscope rotates.	I can measure the rate of rotation.	High	Sprint-4