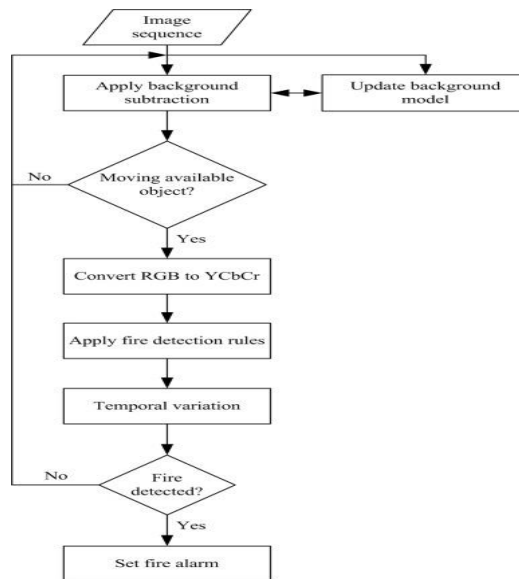


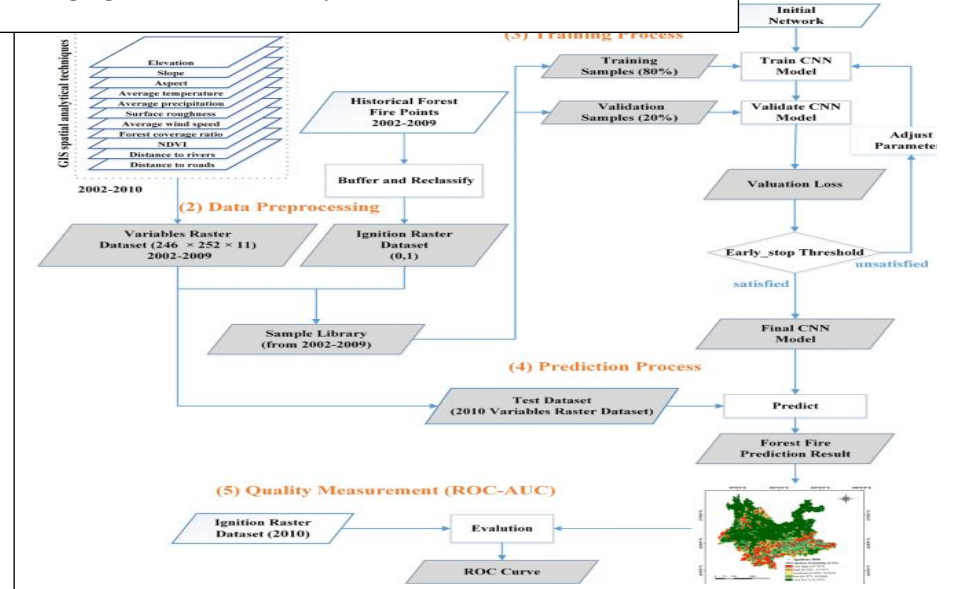
## Project Design Phase-II Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID13815
Project Name	Emerging methods for Early Detection Of Forests Fires
Maximum Marks	4 Marks

### Data Flow Diagrams:



### Emerging methods for Early Detection Of Forests Fires



### User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Developer	Data Collection	USN-1	Collecting and Analysing the raw Image Data.	Through my Jupyter Notebook / google colab.	High	Sprint-1
Developer	Image Preprocessing	USN-1	Converting and correcting the image to make image quality and resolution high by rotation images in all possible directions and gaining knowledge.	Through my Jupyter Notebook / google colab.& click Run	High	Sprint-1
Developer	Trainset and Testset Image Data generation	USN-1	Converting and correcting the image to make image quality and resolution high by rotation images in all possible directions and gaining knowledge for test and train data.	Through my Jupyter Notebook / google colab.	Medium	Sprint-1
Developer	Model Building	USN-2	Logic for Model by some Algorithms /Activation Functions.	Through my Jupyter Notebook / google colab.	High	Sprint-2
	Saving the Model	USN-2	As a Developer saving the model developed for estimation of fire	Through my Jupyter Notebook / google colab.	High	Sprint-2
	Video Analysis	USN-3		Through my Dashboard	Medium	Sprint-3
Customer	Twilio Message service	USN-3		Twilio message service	Low	Sprint-3
Customer	Alert Sound and Message	USN-4	Sending Alert text message using registered twilio account and produce output sound alert alarm .	Playsound package	Low	Sprint-4
Administrator	Train Model on Cloud	USN-5	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration : and to train the deep learning model in IBM Cloud.	IBM Cloud deployment service	Medium	Sprint-4