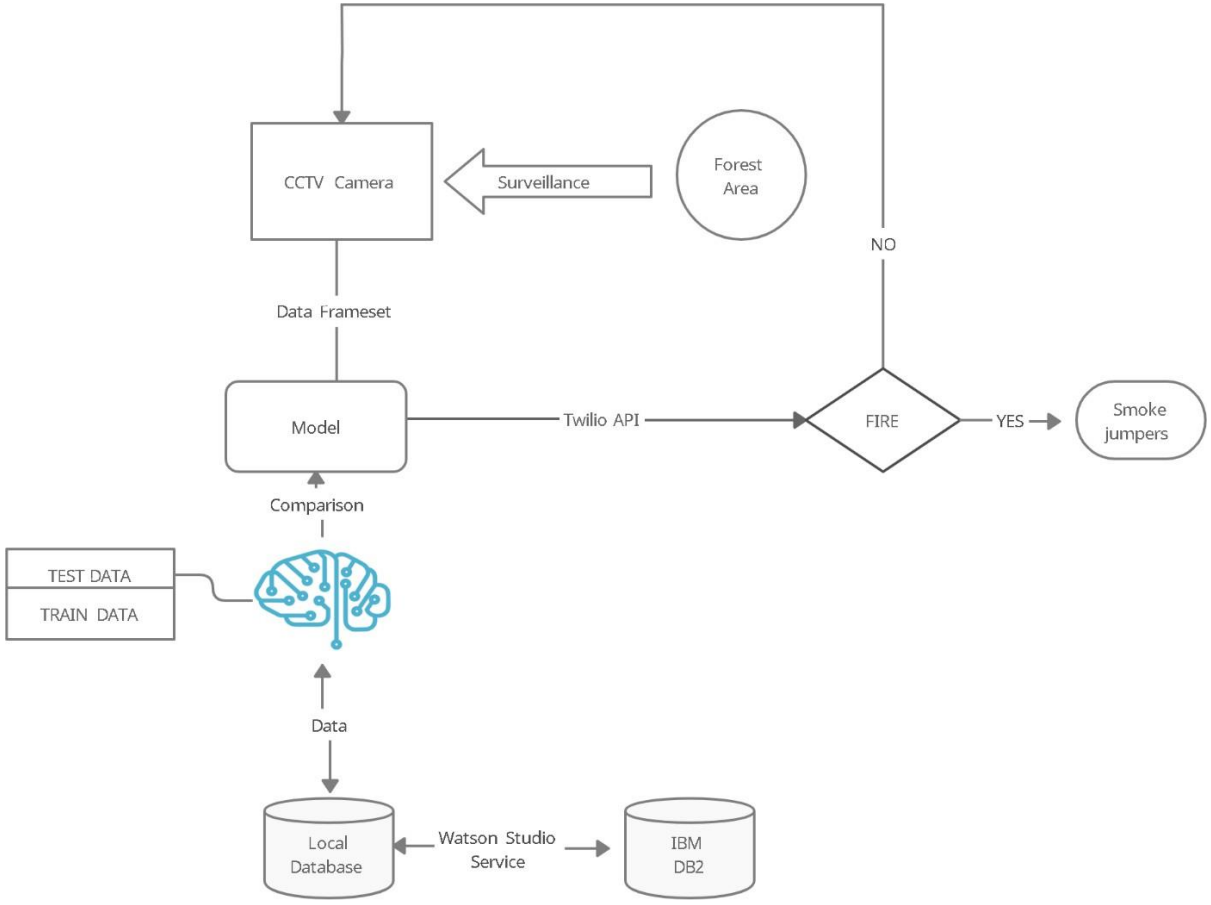
Project Design Phase-II
Data Flow Diagram & User Stories

Date	29 October 2022
Team ID	PNT2022TMID23831
Project Name	Emerging Methods for Early Detection of Forest Fire
Maximum Marks	4 Marks

Data Flow Diagram:



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
CCTV	Capturing images	USN-1	It will proctor the forest area, 24/7, send information contiguously and it is automated by model	I can capture the image of the forest	low	Sprint-1
		USN-2	The proctored image is converted into frameset simultaneously	Image converted using API	High	Sprint-1
		USN-3	The frameset is sent to the model for comparison	Frameset is accepted in pixels	Low	Sprint-2
Model		USN-4	The model compares the received frameset with the trained dataset	It compares with trained image	Medium	Sprint-1
	Deep learning	USN-5	It is trained with enough data with the use of different images of fire	It can access the Model	High	Sprint-1
		USN-6	The compared image is checked for the intensity of the fire, if is it in smoke level it warns	Intensity is denoted in YBR	High	Sprint-2
	Display Alert	USN-7	If the intensity of the fire is high, it alerts with high pitched sound	Application notice fire	High	Sprint-2
	Twilio API	USN-8	The alert message is displayed with the use of Twilio API	Warns on the monitor	Medium	Sprint-2
Admin	Surveillance	USN-9	As an admin, I should be keen at proctoring for alert	The API sends the alert	High	Sprint-1
	Send Confirmation	USN-10	Confirmation of Fire alert is sent to the smokejumpers	Confirmation is received by the Smokejumper	High	Sprint-2
	Manage Database	USN-11	As an admin, I must make the database maintained	IBM Watson studio service is used	Low	Sprint-2