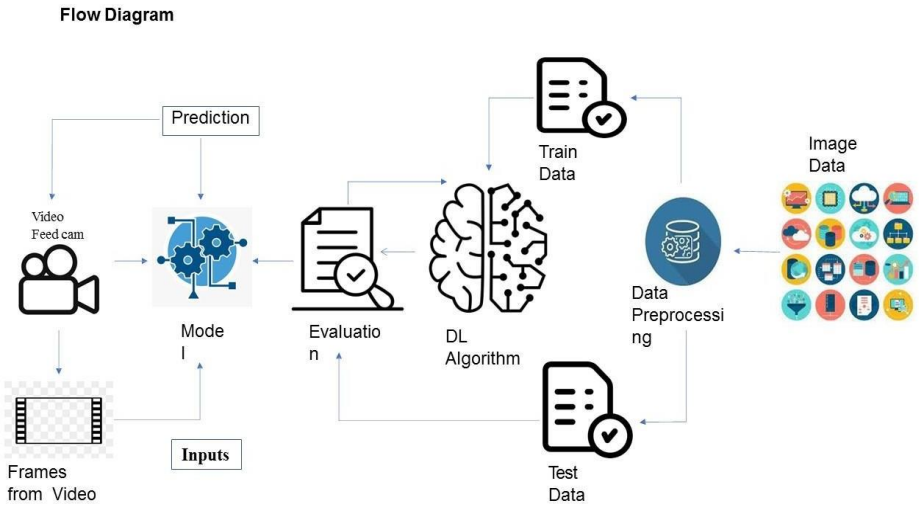
Project Design Phase-II
Data Flow Diagram & User Stories

Date	14 October 2022
Team ID	PNT2022TMID40422
Project Name	Natural Disasters Intensity Analysis And Classification Using Artificial Intelligence
Maximum Marks	4 Marks

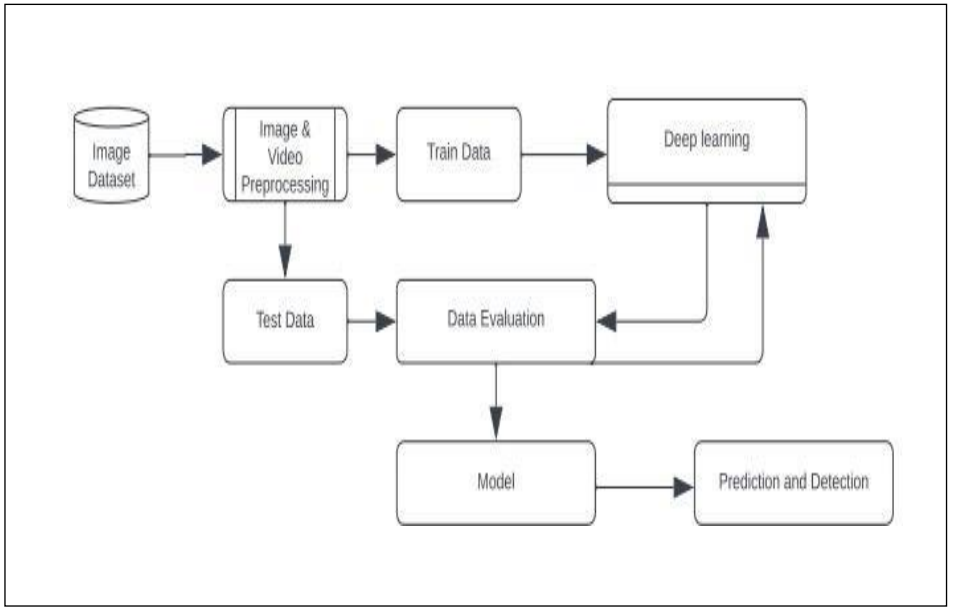
Data Flow Diagrams:

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.

Simplified Diagram:



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
Admin	Collection of dataset	USN-1	As a user, I can collect the dataset for monitoring and analyzing.	Enough data collected for training Model.	Medium	Sprint-1
Customer	Home Page	USN-2	As a user, I want to know to about the basics of frequently occurring Disasters.	I can get the idea about the Application	High	Sprint-1
	Intro page	USN-3	As a user, I want to about the introduction of Disaster in particular areas.	I can get idea about the disaster and where it occurs.	High	Sprint-1
	Open webcam	USN-4	As a user, I adapt with the webcam to analyze and classify the Disaster from video capturing	I can capture a video or image of particular disaster to analyze and classify.	High	Sprint-1
Admin	Analysis of required phenomenon	USN-5	As a user, I can regulate certain factors influencing the action and report on past event analysis.	Model should be easy to use & working fine from the web app.	High	Sprint-2
	Algorithm selection	USN-6	As a user, I can choose the required algorithm for specific analysis.	Selection must give the better accuracy and better output.	High	Sprint-2
	Training and Testing	USN-7	As a user, I can train and test the model using the algorithm.	Training the model to classify and analyze the intensity	Medium	Sprint-2
	Detection and analysis of data	USN-8	As a user, I can detect and visualize the data effectively.	I can capture a video or image of particular disaster to analyze and detect.	High	Sprint-3
	Model building	USN-9	As a user I can build with the web application	Model should be predicting occurrence of the disaster and intensity level of disaster.	High	Sprint-3
	Integrate the web app with the AI model	USN-10	As a user, I can use Flask app to use model easily through web app.	Model should be easy to use and working fine from the web app.	High	Sprint-4
	Model deployment	USN-11	As an administrator, I can deploy the AI model in IBM Cloud.	Model's prediction should be available for users to make decision	High	Sprint-4