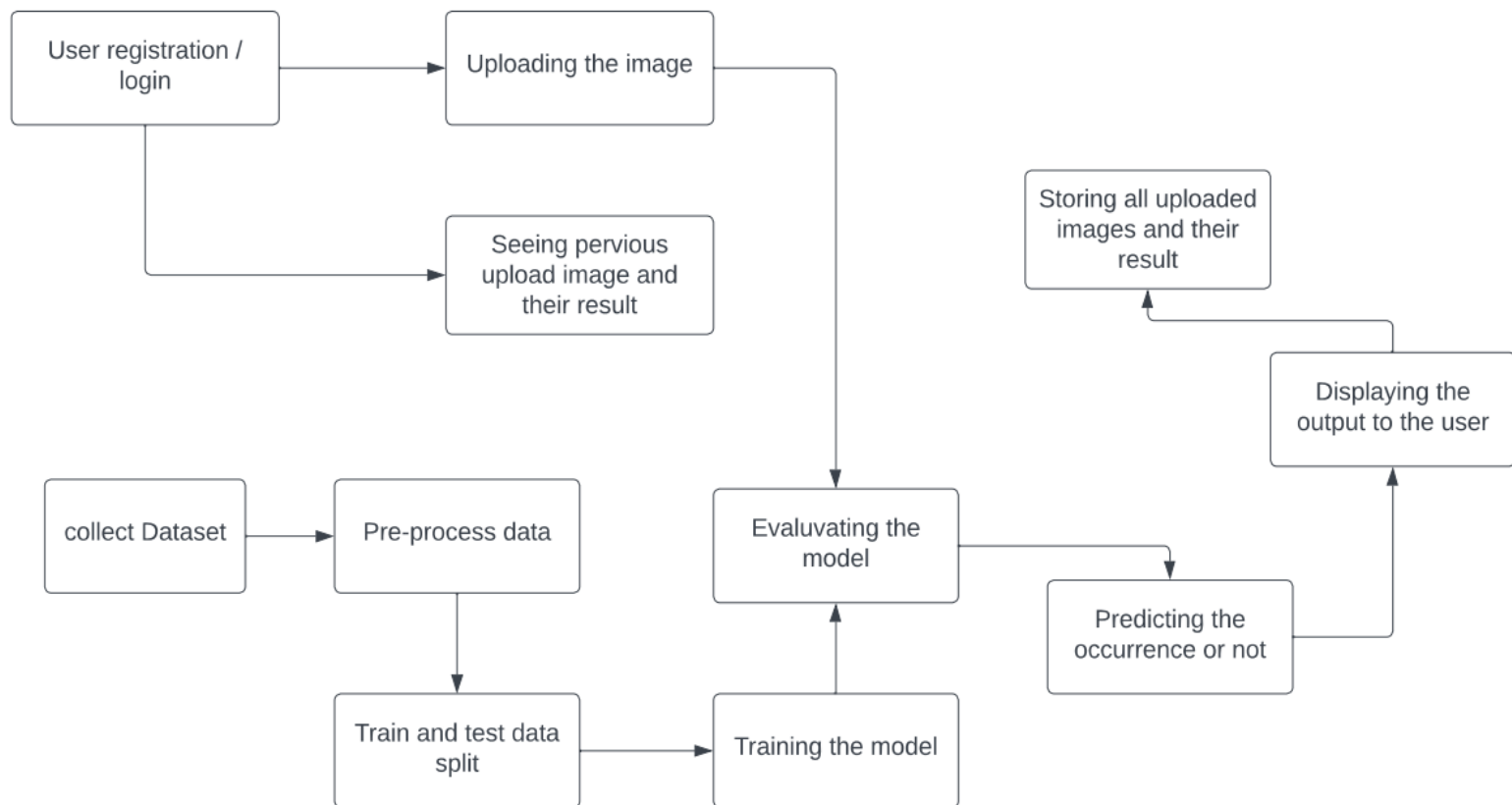


Project Design Phase-II Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID04308
Project Name	Project - 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.



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Admin	Dataset	USN-1	Collect the required data for the disaster prediction	Enough data collected for training model	High	Sprint-1
	Data preprocessing	USN-2	Perform data augmentation	Augmented Dataset enough to make correct predictions	High	Sprint-1
	Training & Building Model	USN-3	Build the model using CNN and ANN	Model should be predicting occurrence of disaster and intensity level of disaster	High	Sprint-1
	Deploy the model	USN-4	Deployment of DL model using IBM Cloud	Model should be working fine from the cloud	High	Sprint-2
	Integrate the web app with the IBM model	USN-5	Use flask for the integration purpose.	Model should be easy to use & working fine from the web app	High	Sprint-2
Customer	Homepage	USN-6	Details shows about the information of application	I can get the idea about the application	Medium	Sprint-2
	Registration	USN-7	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account	High	Sprint-3
	Login	USN-8	As a user, I can log into the application by entering email & password	I can login to my account	High	Sprint-3
	Dashboard	USN-9	As a user , I can upload image by capturing or selecting from the local storage	I can add images	Medium	Sprint-4
	Disaster details	USN-10	As a user , I can see the past upload image result	I can see the past occurrence of disaster or not	High	Sprint-4
	Current Occurrence	USN-11	As a user , I can see the current occurrence of disaster or not by uploading the images	I can see whether disaster is going to occur or not	High	Sprint-4