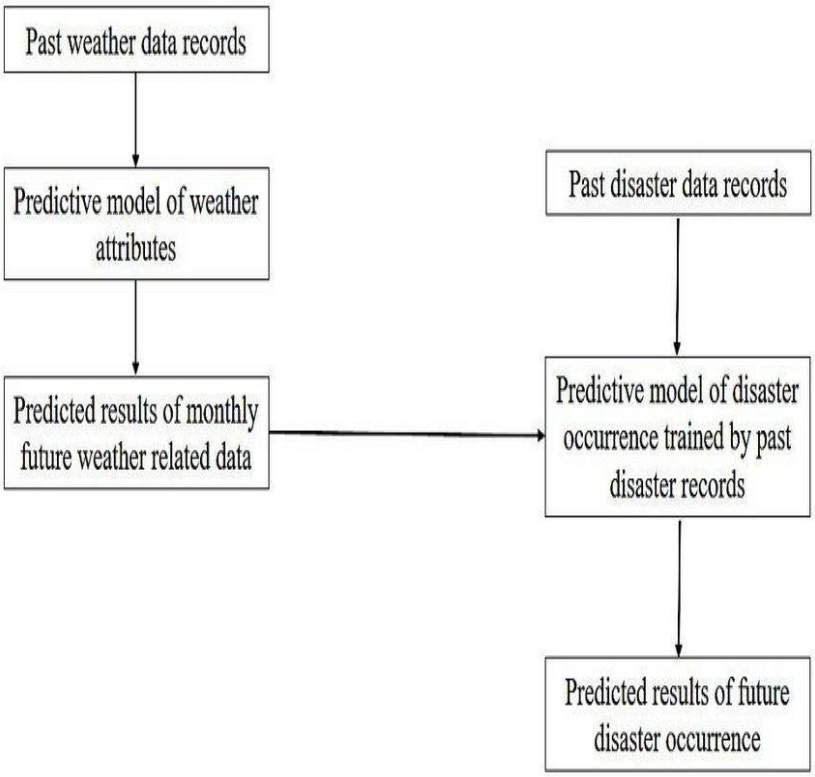
Project Design Phase-II
Data Flow Diagram & User Stories

Date	**12 October 2022**
Team ID	**PNT2022TMID38277**
Project Name	**Natural disaster intensity analysis and classification using Artificial intelligence**
Maximum Marks	**4 Marks**

Data Flow Diagrams:

Disasters caused by natural hazards are receiving increasing attention globally. They cause enormous casualties and huge economic losses, and adversely affect social stability.Simultaneously, social media popularity for sudden major disasters has also surged. Many individuals employ social media as an effective channel for timely accessible information in emergencies.



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
Enduser (Customer) ……	preparedness	USN-1	Proposed method can predict the Short term spread the wildfire.	I can access the proposed method of wildfire.	High	Sprint-1
Enduser (Customer)	Mitigation	USN-2	Develop a public platform to inform early tsunami prediction and information.	Public feedback is compulsory for the prediction process.	Low	Sprint-1
Enduser\ (Customer)	Random forest	USN-3	Evaluate the flood severity in terms of sensitivity, specificity and accuracy as 71.4% respectively.	Particle swarm optimization and deep learning techniques can be used as a framework.	High	Sprint-2
Enduser (Customer)	Recovery	USN-4	Prediction occurs in the past dataset to recover the natural disaster issue.	Dynamic time series data required for clustering process.	High	Sprint-1
Enduser (Customer)	Machine learning techniques	USN-5	The gradient boosting tree and CLIPPER model used for cyclone prediction.	Model is still weak to produce velocity sensitivities.	Low	Sprint-2
Enduser (Customer)	Artificial neural network	USN-6	A fully connected neural network for segmentation which is used for multivariable pattern recognition at different levels.	It works on multivariable parameters rather than the pixel by parameters.	High	sprint-1
Enduser (Customer)	Update Disaster information	USN-7	As an administrator, I can update information about disasters.	I can update disaster information.	High	sprint-1
Enduser (Customer)	Disaster queries	USN–8	Both are can able to ask disaster queries	We can ask queries about disasters.	High	sprint-1