Project Design Phase-II

Data Flow Diagram &User Stories
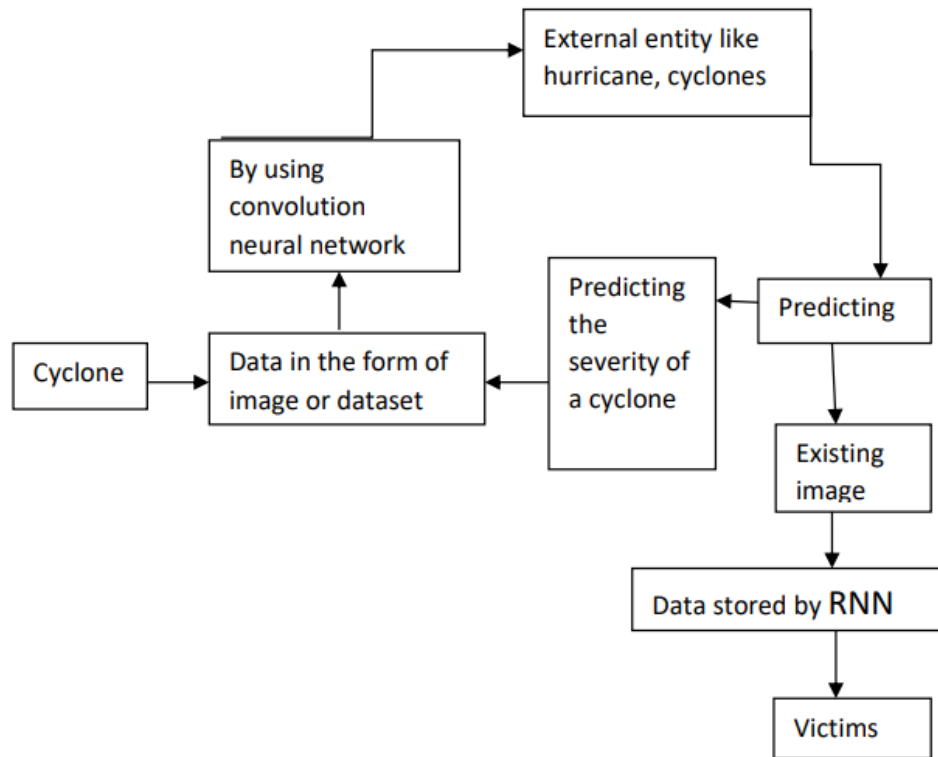
Date	14 October 2022
Team ID	**PNT2022TMID30630**
Project Name	Natural Disaster Intensity Analysis and Classification.
Maximum Marks	4 Marks

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.

Example:

```
┌─────────────────────────┐
│ Past weather data        │
│ records                  │
└─────────────────────────┘
             │
             ▼
┌─────────────────────────┐          ┌─────────────────────────┐
│ Predicted model of       │          │ Past disaster data       │
│ weather attributes       │          │ records                  │
└─────────────────────────┘          └─────────────────────────┘
             │                                    │
             ▼                                    ▼
┌─────────────────────────┐          ┌─────────────────────────┐
│ Predicted results of     │ ───────▶ │ Predictive model of      │
│                          │          │ disaster occurrence      │
│ monthly future weather   │          │ trained by past          │
│                          │          │ disaster records         │
└─────────────────────────┘          └─────────────────────────┘
                                                  │
                                                  ▼
                                      ┌─────────────────────────┐
                                      │ Predicted results of     │
                                      │ future disaster          │
                                      │                          │
                                      └─────────────────────────┘
```
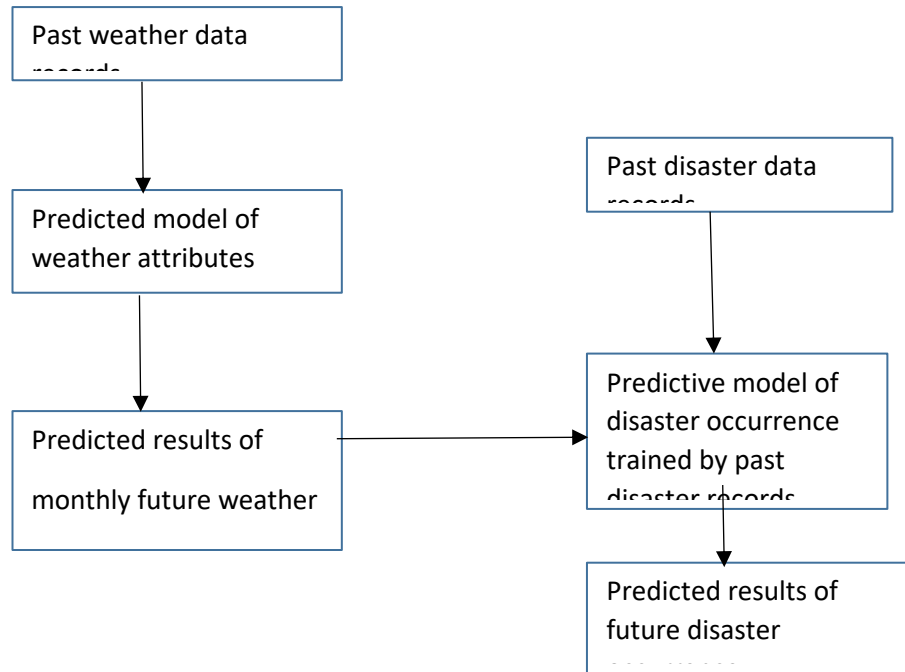
User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release

Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-1

		USN-4	As a user, I can register for the application through Gmail	I can login with my password	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password.	I can see the dashboard now	High	Sprint-1
	Dashboard	USN-6	As a user, I can update Disaster incidents.	I can update now	Medium	Sprint-1
Customer (Web user)		USN-7	As a user, I can view Map Data.	I can see Map Data.	Medium	Sprint-1
Customer Care Executive	Authentication	USN-8	As a Community Leader, I can log into the application using my password	I can access my account.	High	Sprint-1

		USN-9	As a Community Leader, I can apply for membership.	I can apply membership.	High	Sprint-1
		USN-10	As a Community Leader, I can verify Disaster.	Disaster verification	High	Sprint-1
	Membership Approval	USN-11	As a administrator, I can approve the Membership application	I can approve membership	High	Sprint-1
	Update Disaster information	USN-12	As a administrator, I can update information about Disaster.	I can update disaster information	High	Sprint-1
	Disaster verification	USN-13	As a administrator, I can verify disaster	I can verify Disaster	High	Sprint-1

	Disaster Queries	USN-14	Both are can able to ask disaster queries.	We can ask Queries about disaster	Low	Sprint-2
	Disaster Reports	USN-15	Both are can able to give disaster reports.	Both will give the disaster reports	Low	Sprint-2