

Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	15 October 2022
Team ID	PNT2022TMID46941
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligenc
Maximum Marks	4 Marks

Technical Architecture:

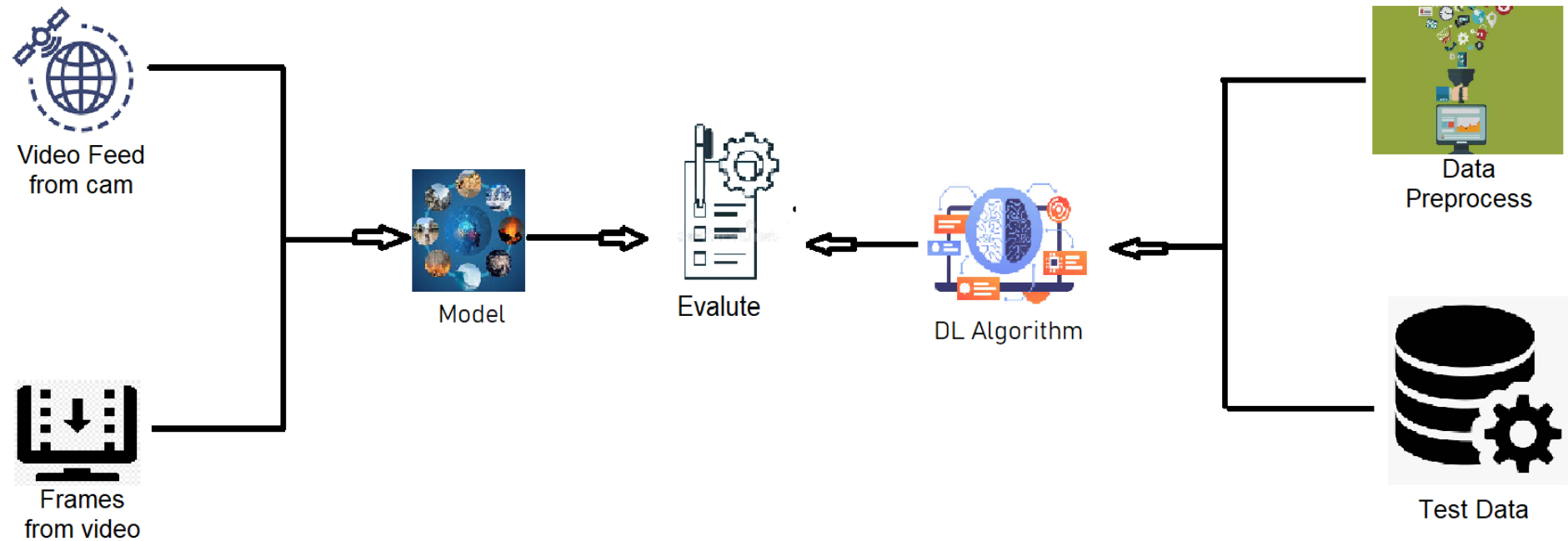


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	DI Algorithm	DI algorithm is used to evaluate the frames from the videos.	Python, CNN
2.	Application Logic-1	Used to process the data from the data test	Deep Learning, Python-Flask
3.	Application Logic-2	Logic for evaluate the model.	IBM Watson Studio, IBM Cloud ant DB
4.	Application Logic-3	Logic for a Weight sensor data	Python
5.	Cloud Sever	Application deployment on Local System / Cloud	IBM Watson IoT Platform, Node Red
6.	Cloud Database	Database Service on Cloud	IBM Watson IoT platform, Cloud ant DB
7.	User Interface	How user interacts with application to alert the user and the people.	HTML, CSS, JavaScript, Python etc.
8.	External API-1	Purpose of External API used in the application to locate the disaster area	Google Maps Geolocation API