Project Design Phase-II
Technology Architecture

Date	14 October 2022
Team ID	PNT2022TMID01018
Project Name	Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies
Maximum Marks	4 Marks

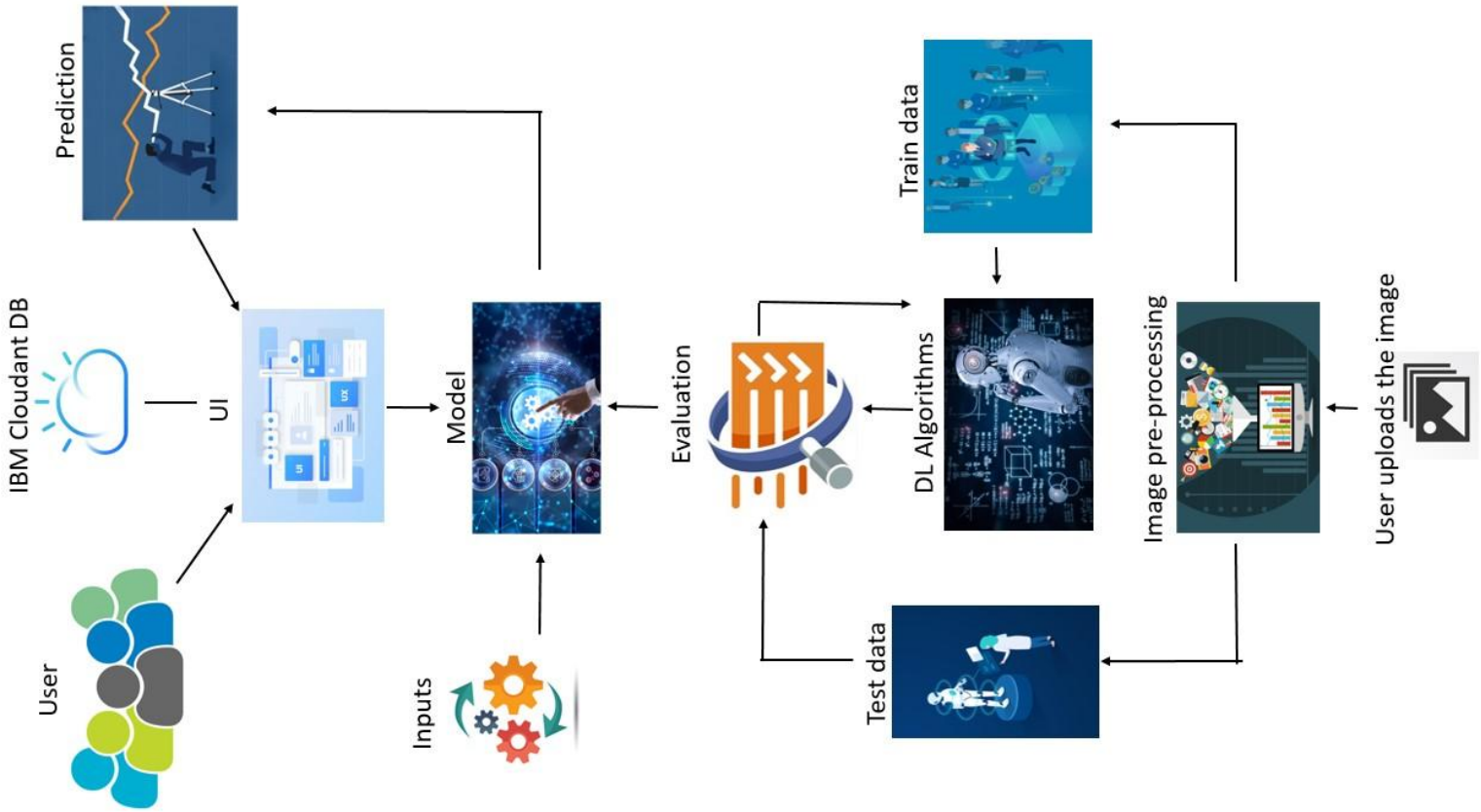

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript
2.	Application Logic-1	Logic for a process in the application	Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL
6.	Cloud Database	Database Service on Cloud	IBM Cloudant DB
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
8.	External API-1	Purpose of External API used in the application	IBM Weather API
9.	External API-2	Purpose of External API used in the application	Aadhar API
10.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Cloud Foundry

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Python open-source frameworks used	Python
2.	Security Implementations	With the help of username and password it provides more security in which the data can be more secured and the data are private.	Artificial Intelligence
3.	Scalable Architecture	The application is scalable enough to support more than 10,000 visits at the same time while maintaining optimal performance and efficient to retrieve image in large scale thus improving scalability.	Python
4.	Availability	The application must be available to the user s 24/7 i.e, any time even during business hours. Users can access this application anytime, anywhere and should be compatible in both mobiles and computers.	Artificial Intelligence
5.	Performance	Detecting the damage of vehicle(Minor, Moderate and Severe)	Python, CNN