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

Date	17 October 2022
Team I D	PNT2022TMID44616
Project Name	Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies
Maximum Marks	4Marks

Technical Architecture:

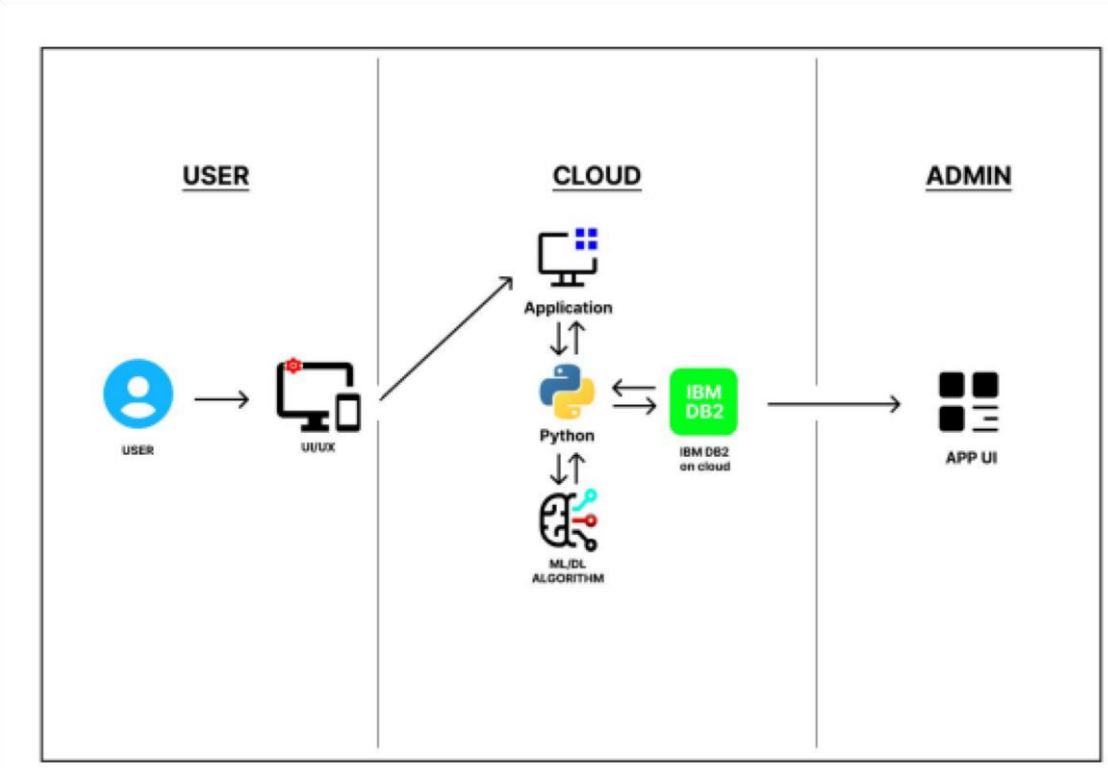

Table-1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Using Web UI, MobileApp, Chatbot etc.	HT M L, CSS, JavaScript / Angular Js / React Js.
2.	Application Logic- 1	Application mainly used for predicting cost.	Java / Python
3.	Application Logic- 2	It is used for detecting damaged parts.	I B M Watson STT service
4.	Application Logic- 3	The Customer claims Insurance from the companies.	I B M Watson Assistant
5.	Database	Data Type, Configurations, Data set are used in the data base.	MySQ L.
6.	Cloud Database	The Vehicle dataisstored in Cloud data base for retrieval uses.	I B M D B2, I B M Cloudant
7.	File Storage	In application, it contains all data types in file storage.	I B M Block Storage or Other Storage Service or Local File system.
8.	External A P I	To perform a designed function built around sharing data and executing pre- defined processes.	I B M Weather A P I.
9.	Machine Learning Model	The purpose of machine learning, make decisions only based on the given input.	Object Recognition Model.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open- Source Frameworks	Python open- source frame works used	Python
2.	Security Implementations	It is secure to caim the insurance from the company with efficiency.	A I
3.	Scalable Architecture	To measure the accurate cost for the damage of a vehicle.	Python
4.	Availability	It is accessible for both insurance companies and vehicle owners to estimate the cost of damage.	A I
5.	Performance	Detecting the damage of any kind of vehicle, It may be minor or major damage.	Python,C N N.