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

Date	17 October 2022
Team ID	PNT2022TMID17997
Project Name	University Admit Eligibility Predictor
Maximum Marks	4 Marks

Technical Architecture:

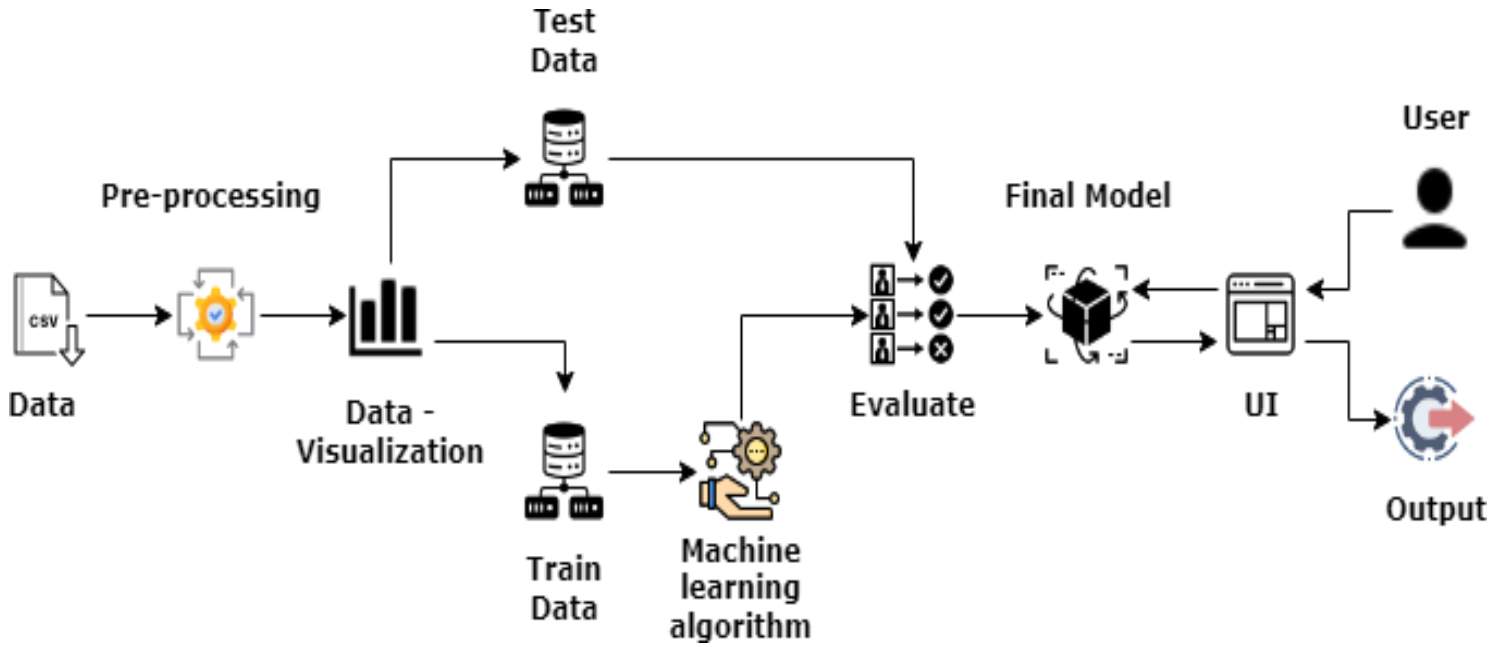

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User interacts with application .	HTML, CSS, JavaScript
2.	Application Logic-1	Logic for a process in the application	Jupyter notebook, google colab
3.	Application Logic-2	Logic for a process in the application	IBM Watson
4.	Database	Data Type, Configurations etc.	CSV format
5.	Cloud Database	Database Service on Cloud	IBM Cloud
6.	Machine Learning Model	Purpose of Machine Learning Model	Logistic Regression Algorithm.
7.	Infrastructure (Server / Cloud)	Application Deployment on Cloud Server Configuration	Cloud Foundry.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Python for backend framework. Flask is imported for front end connectivity.	Flask
2.	Security Implementations	Students details will keep secure.	SHA algorithm
3.	Scalable Architecture	Provide an admission chances for a particular university	Logistic Regression Algorithm
4.	Availability	Website can work over 24*7	IBM Load balancer
5.	Performance	Students get idea of admission chances to a particular university.	Logistic Regression Algorithm