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

Date	09 November 2022
Team ID	PNT2022TMID27598
Project Name	Project - University Admit Eligibility Predictor
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2
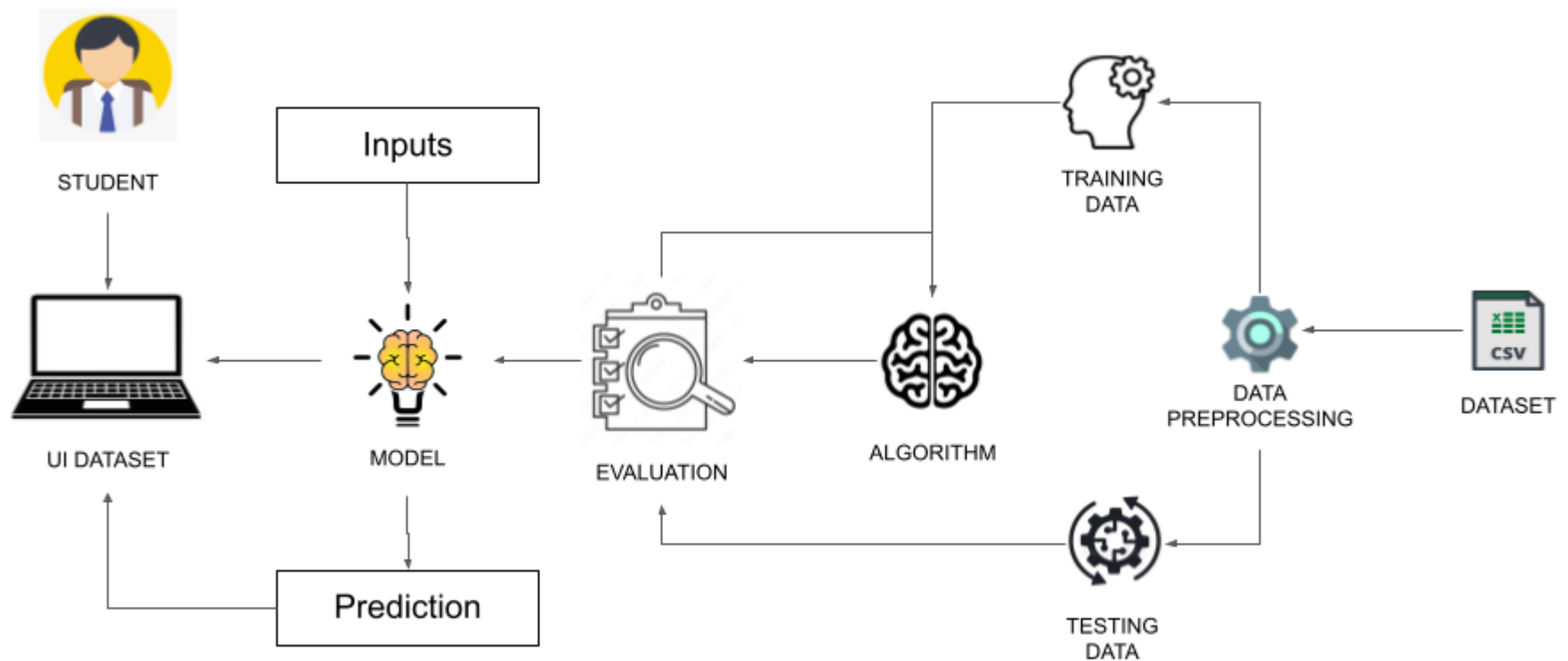
Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS
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
4.	Application Logic-3	Logic for a process in the application	IBM Watson
5.	Database	Data Type, Configurations etc.	MySQL
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant, etc.
7.	File Storage	File storage requirements	Local Filesystem
8.	Libraries	Import Libraries into data	Numpy, Pandas, Seaborn, Matplotlib
9.	Machine Learning Model	Purpose of Machine Learning Model	Admission Prediction Model
10.	Training and Testing Data	Purpose of Training and Testing the Dataset	Logistic Regression Algorithm
11.	Accuracy	Accuracy of the tested and Trained Data	Root Mean Squared Logarithmic Error(RMSLE), Mean Squared Error(MSE)
12.	Infrastructure	Cloud Local Server Configuration	Local

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Flask framework
2.	Security Implementations	User Profile is stored in a secured way	Encryptions
3.	Scalable Architecture	Computations are effective	Logistic Regression
4.	Availability	Our web application is available at any time and at any place.	IBM Load Balancer
5.	Performance	As Logistic regression is applied to improve performance	Logistic Regression