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

Date	17 October 2022
Team ID	PNT2022TMID16135
Project Name	Project - university admit eligibility predictor
Maximum Marks	4 Marks

TECHNICAL ARCHITECTURE

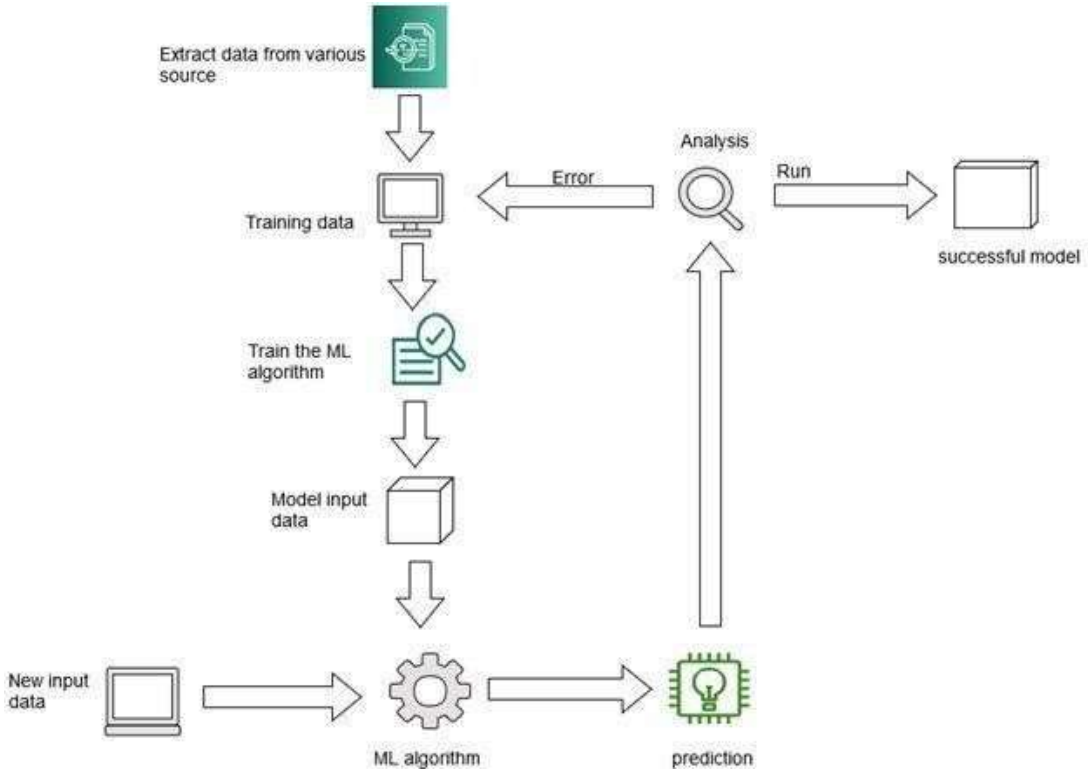

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application	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 STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type (CSV FILE)	Kaggle website
6.	Model of the data	Building model of the data	Machine learning
7.	Libraries	Import libraries into data set	Pandas, Seaborn, Matplotlib, NumPy
8.	Training and testing data	Purpose of data training and testing	Regression, Classification, clustering Algorithms, SK learn
9.	Testing Data	Tests data using Agile methodology	Agile methodology
10.	Accuracy	Accuracy of the tested and trained data	Mean squared error, Mean absolute error
11.	Infrastructure (Server)	Application Deployment on Local System	Local.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Flask framework
2.	CSV file	Importing CSV file	Pandas
3.	Data visualization	Perform data visualization	Matplot(pie charts, histograms)
4.	Testing and Training	Create testing and training for the dataset	Technology used StandardScaler, MinMaxScaler
5.	Performance	Design consideration for the performance of the application	Technology used IBM Watson