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

Date	03 October 2022
Team ID	PNT2022TMID52795
Project Name	University Admit Eligibility Predictor
Maximum Marks	4 Marks

Technical Architecture:

SYSTEM:

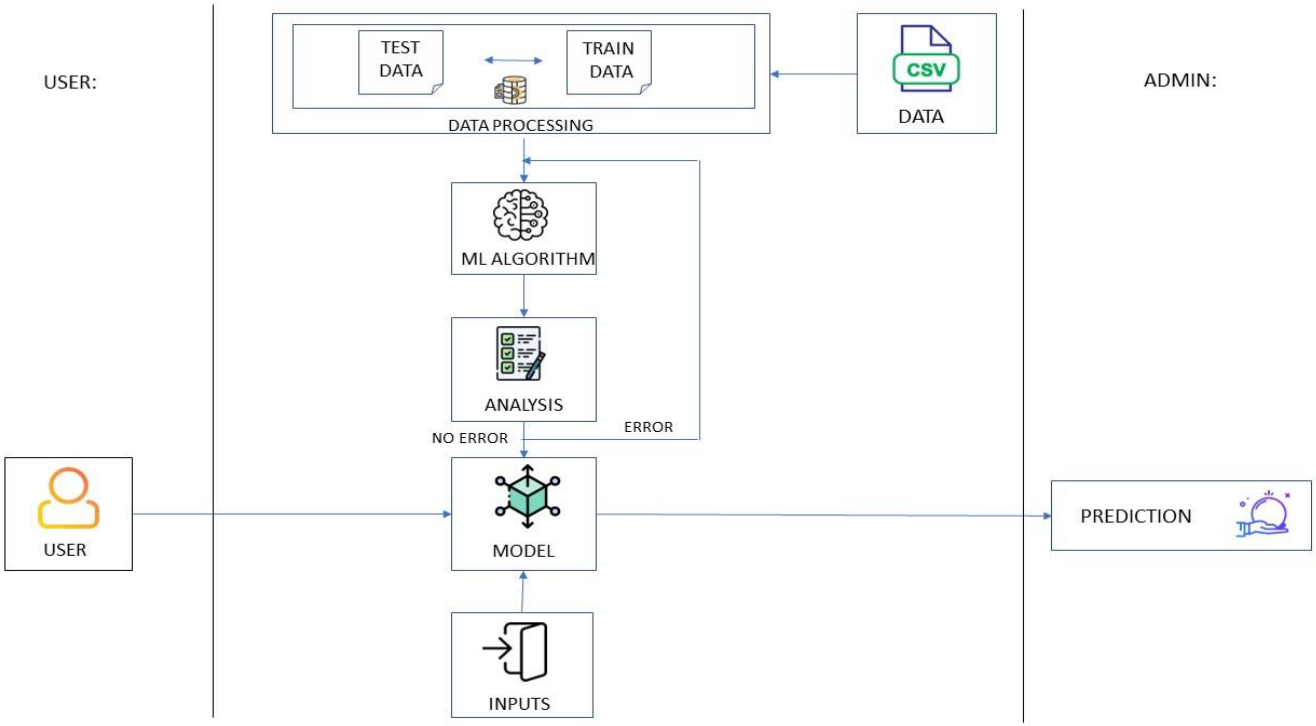

Table-1: Components and Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user interacts with the application through a Web UI	HTML, CSS, Python, Flask
2.	Application Logic-1	Logic for collecting the input from the user	Python
3.	Application Logic-2	Integrating Machine Learning model with our application	Python
4.	Database	Numeric data	MySQL
5.	Data Storage	To process and store processed files.	Local Filesystem
10.	Machine Learning Model	A machine learning model is a program that can find patterns or make decisions. A machine learning algorithm is a mathematical method to find patterns in a set of data.	Predictive Modelling
11.	Infrastructure (Server)	Application Deployment on Local System Local Server Configuration: Built-in Flask web server	Flask, Web server

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask	Python
2.	Security Implementations	Http authentication, Session based authentication	Flask security
3.	Scalable Architecture	Size is everything, and Flask's status as a microframework means that you can use it to grow a tech project such as a web app incredibly quickly	Flask
4.	Availability	Higher compatibility with latest technologies and allows customization	Flask
5.	Performance	Integrated support for unit testing. ● RESTful request dispatching. ● Uses Jinja templating. ● Support for secure cookies	Flask