PROJECT DESIGN PHASE – II

TECHNOLOGY ARCHITECTURE

DATE	**15.10.2022**
TEAM ID	**PNT2022TMID32417**
PROJECT NAME	**UNIVERSITY ADMIT ELIGIBILITY PREDICTOR**
MAXIMUM MARKS	**4 MARKS**

TECHNICAL ARCHITECTURE :

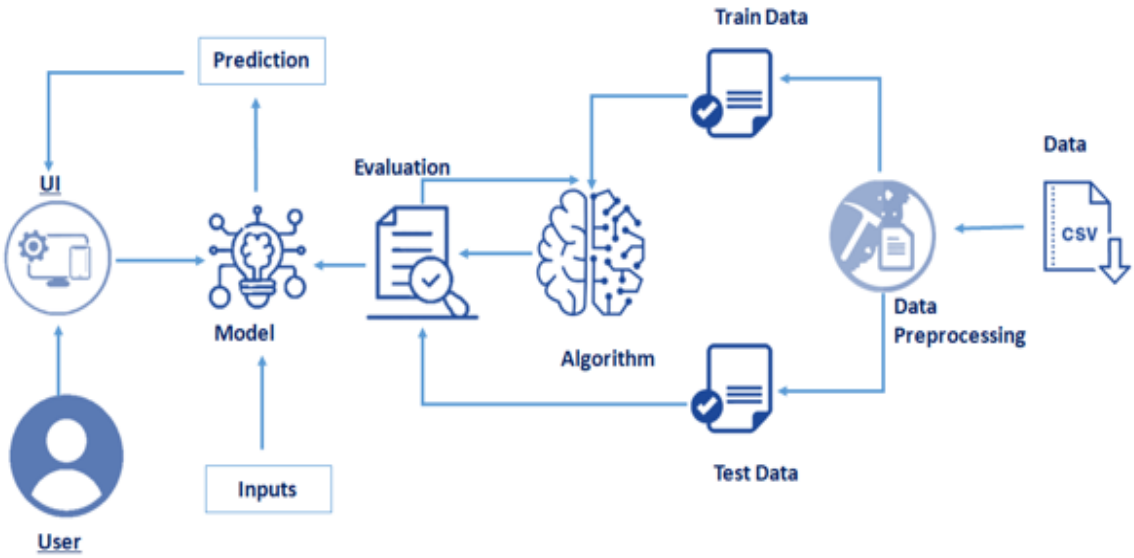

TABLE – 1 : COMPONENTS & TECHNOLOGIES

S.NO	COMPONENT	DISCRIPTION	TECHNOLOGY
1.	USER INTERFACE	The user interacts with the application through a web UI	HTML, CSS, Python, Flask
2.	APPLICATION LOGIC	By collecting & analyzing the datasets and other relevant details to help in training the model to predicts at maximum accuracy	Python
3.	DATABASE	To store and retrieval of necessary data	MySQL
4.	CLOUD DATABASE	Database service on cloud	
5.	FILE STORAGE	File storage requirements	Local File System
6.	MACHINE LEARNING MODEL	Regression models are used to target a prediction value which is based on independent variables.	Linear Regression, Random Forest, etc.
7.	INFRASTRUCTURE		

TABLE – 2 : APPLICATION CHARACTERISTICS

S.NO	CHARACTERISTICS	DESCRIPTION	TECHNOLOGY
1.	**Open-Source Frameworks**	Flask	Micro web framework with 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. Its simplicity of use and few dependencies enable it to run smoothly even as it scales up and up.	Flask
4.	**Availability**	Higher compatibility with latest technologies and allows customization	Flask
5.	**Performance**	Integrated support for unit testing. 1.Restful request dispatching. 2. Uses Jinja templating. 3. Support for secure cookies	Flask