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

Date	03 October 2022
Team ID	PNT2022TMID34608
Project Name	Project - University Admit Eligibility Predictor
Maximum Marks	4 Marks

Technical Architecture:

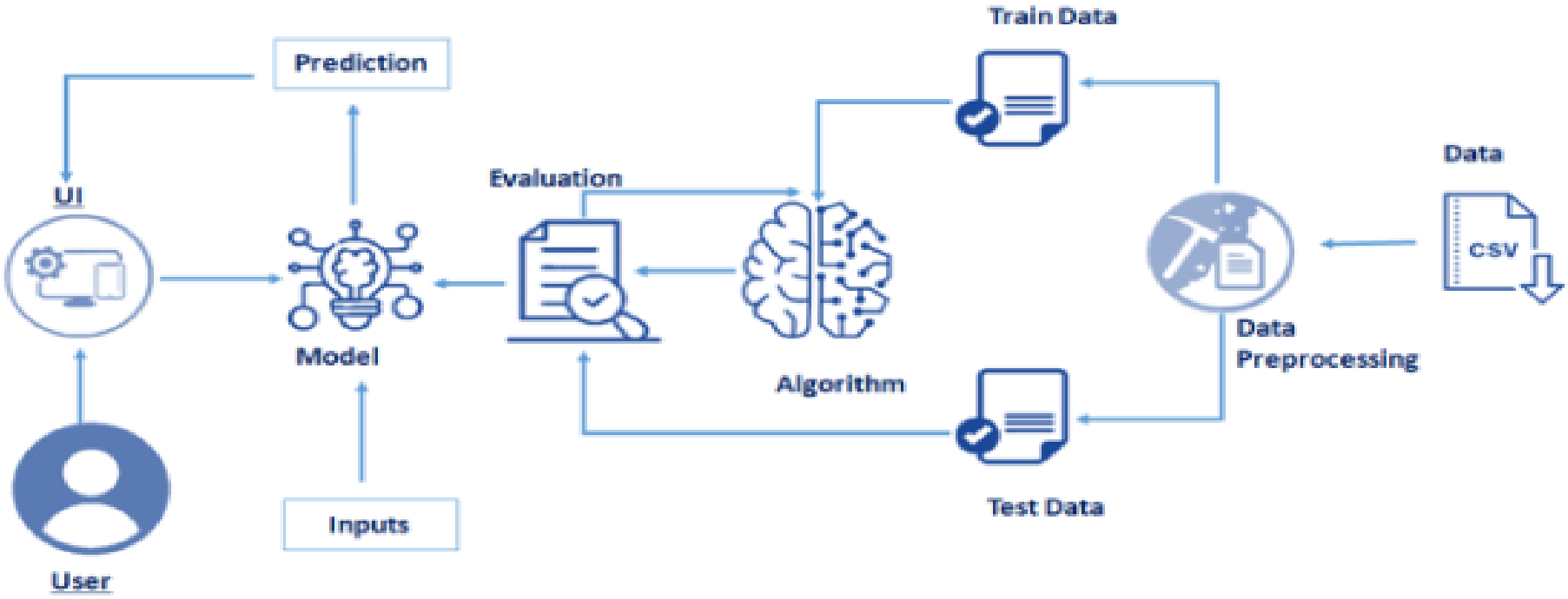

Table – 1: Components & Technologies

S.No	Component	Description	Technology
1.	User Interface	User interacts with the application by using web UI	HTML, CSS, JS
2.	Application Logic - 1	Collecting input from user	Python
3.	Application Logic – 2	Integrating front-end and back-end	Flask
4.	Application Logic – 3	Training and testing of model	IBM Watson

5.	cloud Database	Database service on cloud	IBM DB2
6.	Machine learning model	Predicting chance of admission into university	Logistic Regression

Table - 2: Application Characteristics

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask is used in back-end	Python
2.	Security Implications	Http authentication	Flask Security
3.	Scalable Architecture	Works well under multiple requests	IBM Watson
4.	Availability	Available all the time	IBM Watson
5.	Performance	Time required to predict chance of admission	Machine Learning