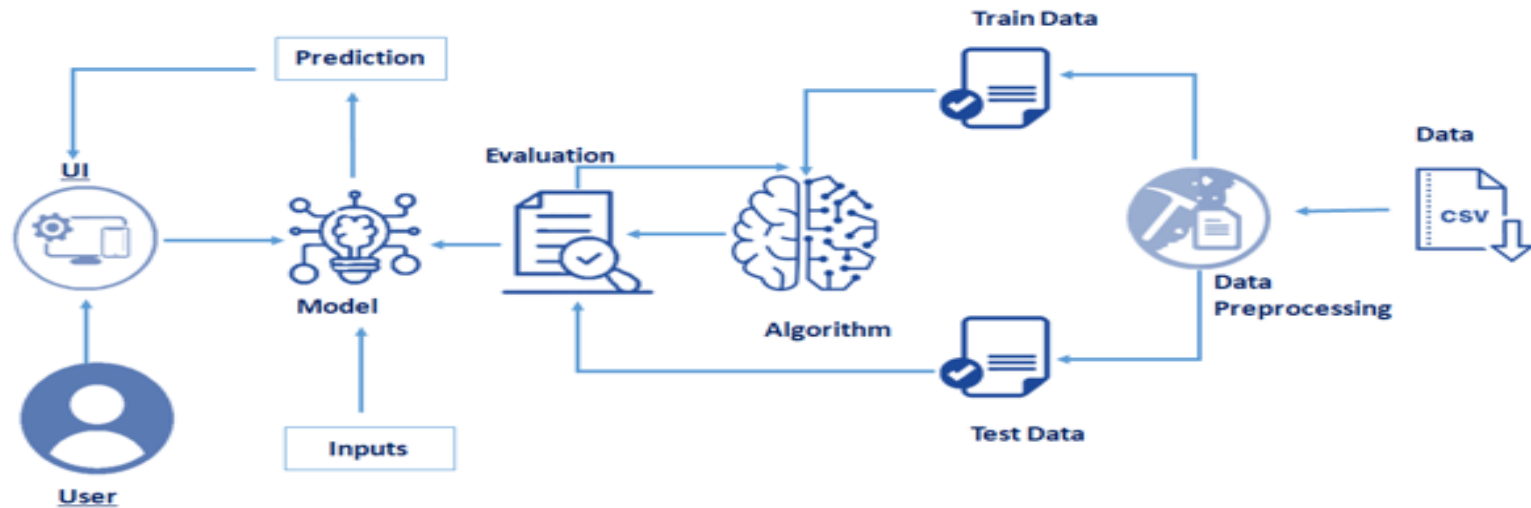


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	15 November 2022
Team ID	PNT2022TMID04242
Project Name	University Admit Eligibility Predictor.
Maximum Marks	4 Marks

**Technical Architecture:**



**Table-1: Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	The user interacts with the application through a Web UI	HTML, CSS, JavaScript, bootstrap
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.	File Storage	To store files such as prediction report.	Local Filesystem.
6.	Machine Learning Model	Predictive modelling is a mathematical process used to predict future events or outcomes.	Predictive Modelling
7.	Infrastructure (Server / Cloud)	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	Python is the open-source framework utilized in this project	Flask Framework
2.	Security Implementations	The user profile has been stored in a secured way in the cloud.	SHA-256, Encryptions, IAM Controls
3.	Scalable Architecture	Many computations can be done in a time saving and effective way using ML.	Logistic Regression
4.	Availability	Our web application is available at any time and at any place	IBM Balancer
5.	Performance	As logistic regression is applied to develop the performance will be more effective	Logistic Regression

