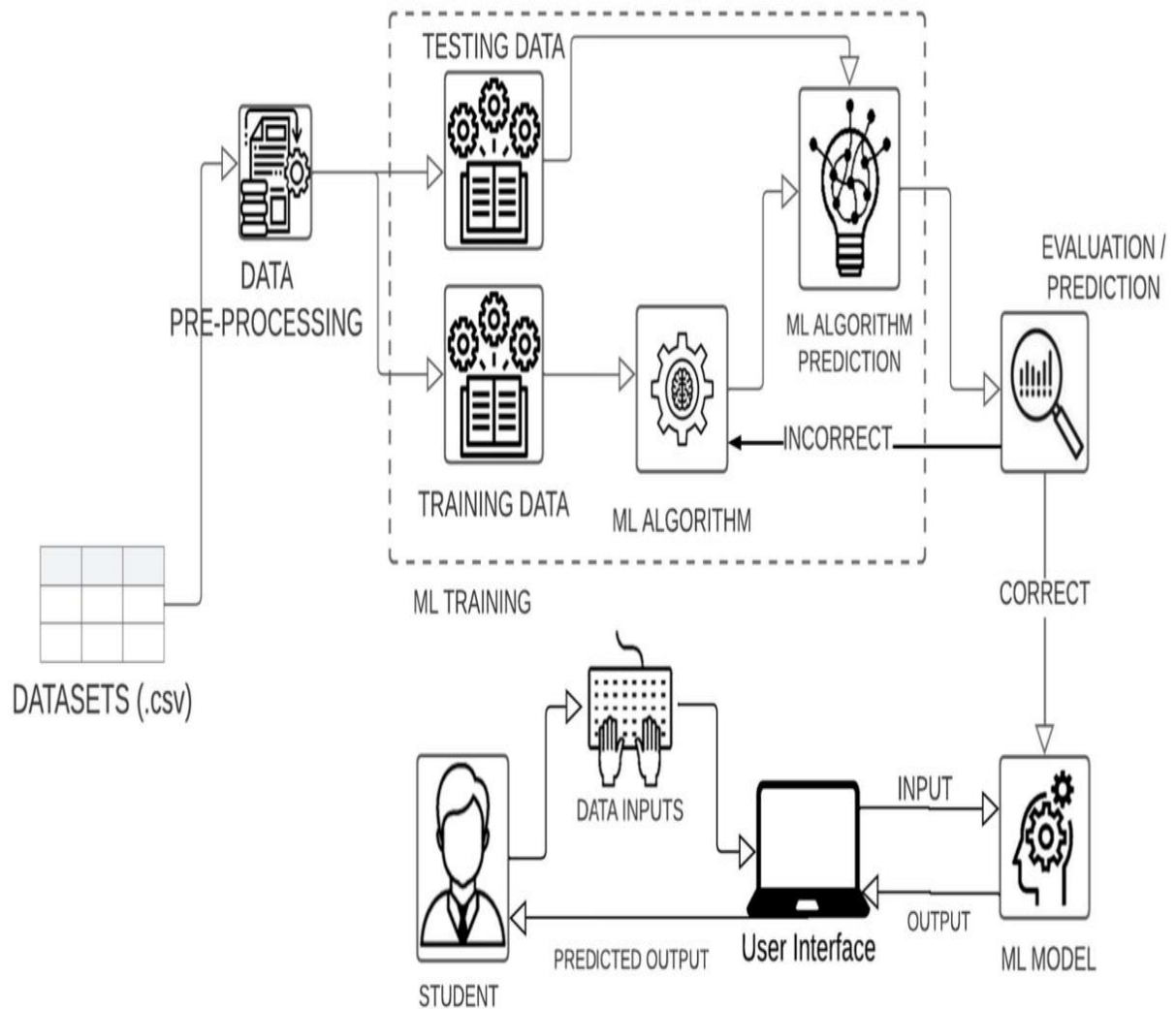


Project Design Phase-II

Technology Stack

Date	15 October 2022
Team ID	PNT2022TMID47442
Project Name	University Admit Eligibility Predictor
Maximum Marks	4 Marks

Technical Architecture:



Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Mobile App	Flutter
2.	Application Logic	By collecting and analyzing the datasets and history records, training a model that predicts at a possible high accuracy.	Machine learning using Python
3.	Database	To store and retrieval of necessary data.	MySQL,etc.
4.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
5.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
6.	Machine Learning Model	Regression models always target a prediction value which is based on independent variables. It is used to calculate the relationship between two quantitative variables. Classifiers also predicts the target output based on the multiple features.	Linear regression, Random forest, etc.
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System/Cloud Server. Local Server: HTTP Server Cloud Server: IaaS, SaaS	Local, Cloud Foundry, Kubernetes, etc.

Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flutter,apache,native script,etc.	flutter
2.	Security Implementations	Store private data within internal storage, Use intents to defer permissions.	Web view objects,debug-overrideetc.
3.	Scalable Architecture	3 – tier, Micro-services	REST API