

Project Design Phase-II

Technical Architecture

Date	11 October 2022
Team ID	PNT2022TMID49459
Project Name	Title: Water Quality Analysis and Prediction using Machine Learning
Team Leader	M.Jeyakaleeswari
Team Member	K.Harinee, K.Krishnapriya, S.P.Subani,Rishwana Mumtaj
Maximum Marks	2 Marks

Technical Architecture:

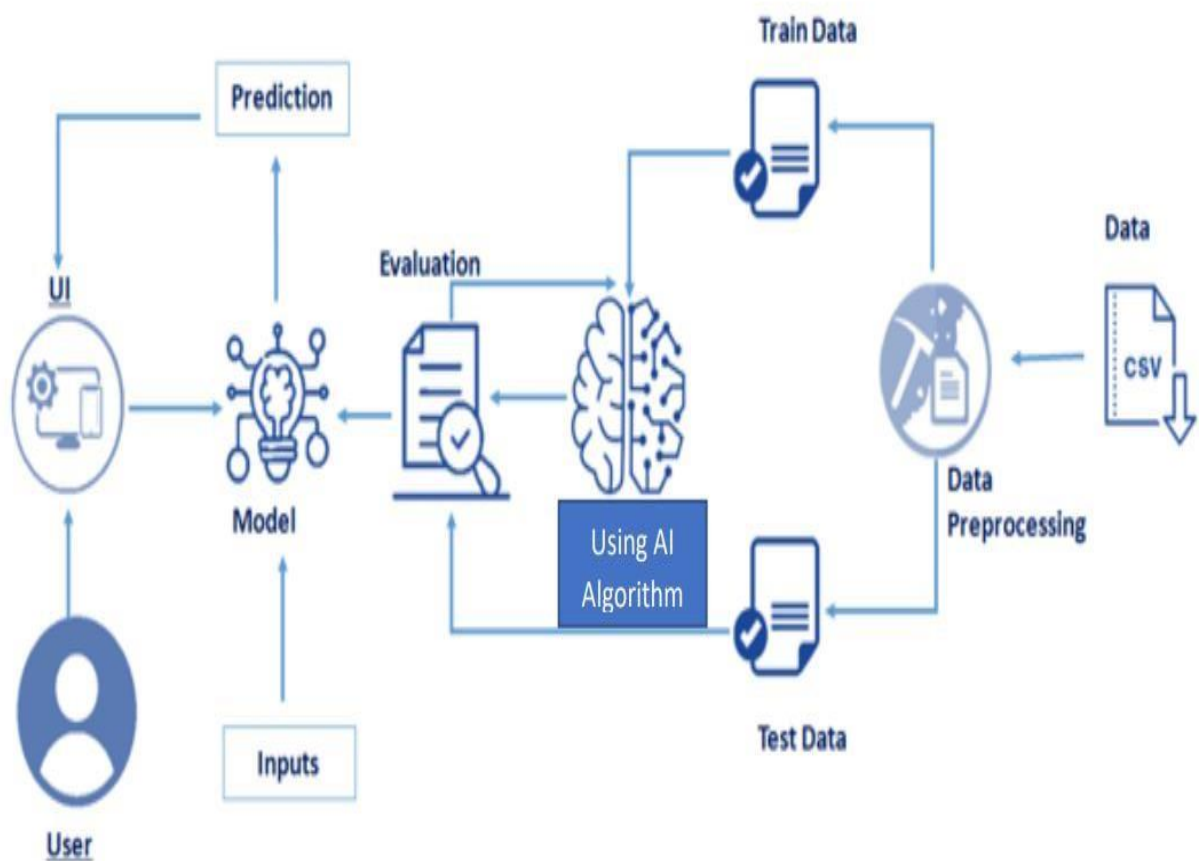


TABLE 1: COMPONENTS AND TECHNOLOGIES

S.NO	COMPONENTS	DESCRIPTION	TECHNOLOGIES
1	User Interface	User interact with application	HTML,CSS etc..
2	Application logic	Logic for a process in application	Java/Python,IBM Watson
3	Database	Dataset, configuration etc.	MYSQL,NoSQL etc..
4	Cloud Database	Database service on cloud	IBM DB2,IBM Cloudant
5	File storage	File storage requirements	IBM Block storage or other storage services
6	Machine learning model	Purpose of ML model	Recognition model
7	Infrastructure	Application deployment	Local,Kubernetes, Flask App etc.

CHARACTERISTICS:

- * Open source frameworks
- * Security Implementation