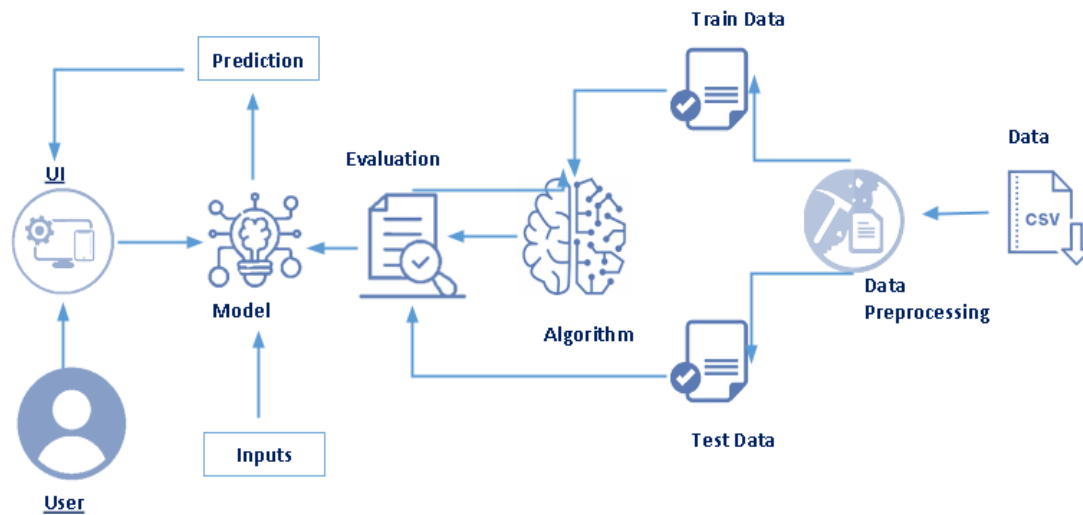


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	03 October 2022
Team ID	PNT2022TMID10916
Project Name	Project - <b>Technology Stack (Architecture &amp; Stack)</b>
Maximum Marks	4 Marks

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2



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

S.No	Component	Description	Technology
1.	User Interface	Passenger will interact through website	HTML, CSS, JavaScript .
2.	Application Logic-1	Logic for a process in the website	Python
3.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
4.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant.
5.	File Storage	File storage for passenger's detail	IBM Block Storage or Other Storage Service or Local Filesystem
6.	External API-1	Purpose of External API used in the website	IBM Weather API, etc.
7.	External API-2	Purpose of External API used in the website	Aadhar API, etc.
8.	Machine Learning Model	Purpose of Machine Learning Model	Data analysis Model, etc.

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	HTML, CSS
2.	Security Implementations	To store the passenger's details in a secured manner	IBM DB2, IBM Cloudant
3.	Availability	The website will be available in all regions	Distributed servers
4.	Performance	The website can give response to requests within seconds	Minimize the number of JavaScript and CSS files.

**References:**

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<https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d>