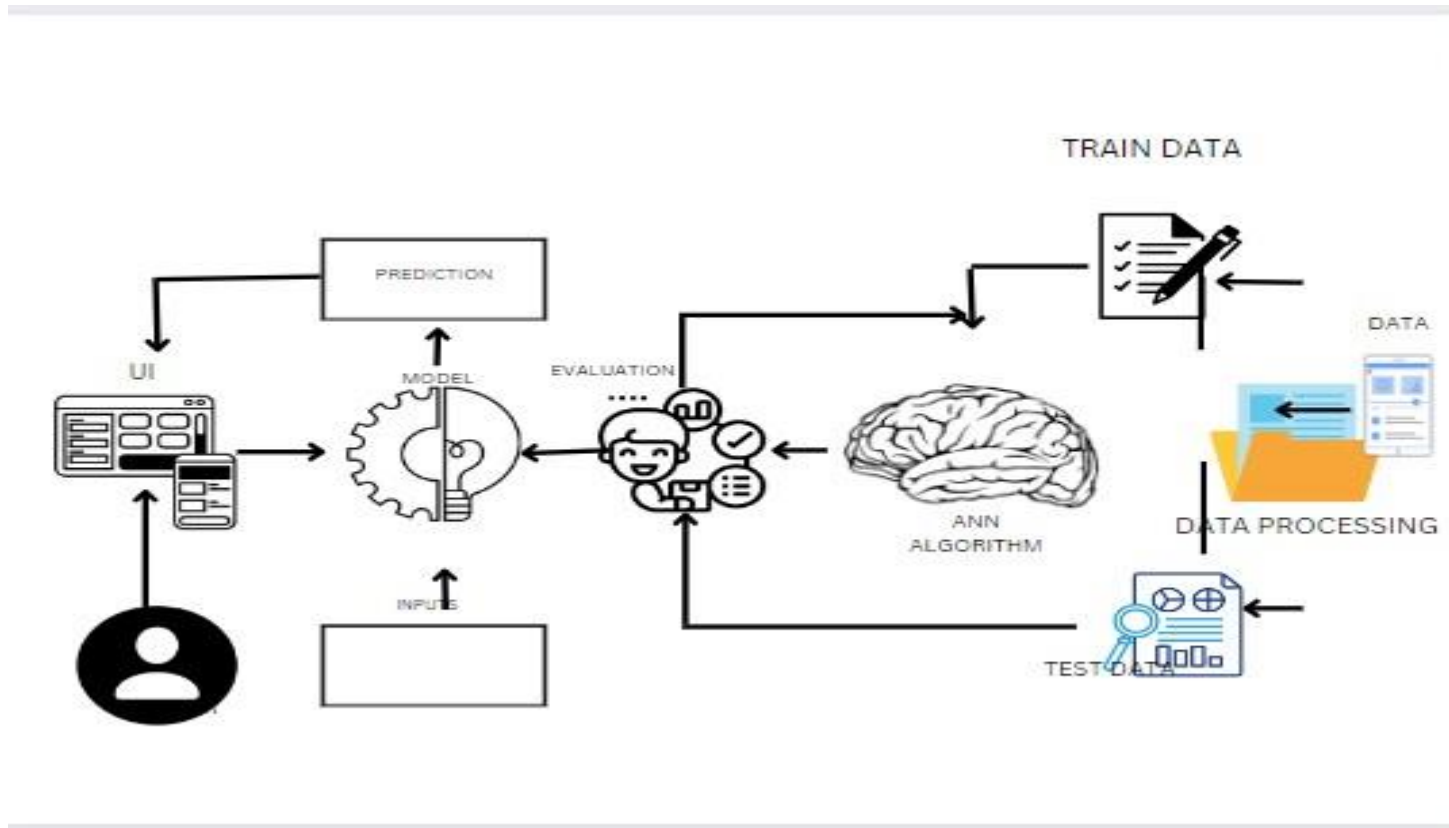


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	15October 2022
Team ID	PNT2022TMID49608
Project Name	Project – Crude Oil Price Prediction
Maximum Marks	4 Marks

**Technical Architecture:**



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

S.No	Component	Description	Technology
1.	User Interface	User interacts with the User Interface	HTML, CSS, JavaScript / Python
2.	Application Logic-1	Import dataset	Python
3.	Application Logic-2	Data Pre-processing	Python
4.	Application Logic-3	Building regression model	Python
5.	Deep learning model	Artificial Neural Network model	Price Predicting model
6.	Infrastructure(Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration : Apache Cloud Server Configuration : IBM Cloud	Apache, IBM Cloud

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Deep Learning Frameworks are – Tensor flow,Keras,Pytorch and Caffé	Python for AI
2.	Availability	Distributed Server	Apache
3.	Performance	It predicts the price of crude oil.	Python