PROJECT DESIGN PHASE - II

SOLUTION REQUIREMENTS(FUNCTIONAL & NON - FUNCTIONAL)

TEAM ID : PNT2022TMID44242

PROJECT NAME : CRUDE OIL PRICE PREDICTION

FUNCTIONAL REQUIREMENTS

Following are the functional requirements of the proposed solution

SI NO	FUNCTIONAL REQUIREMENT(EPIC)	SUB REQUIREMENT(STORY/SUB-TASK)
01	User application	User can download this application in the play store or he/she can view it in the browser itself.
02	User products available	The factors that determine the crude oil prices are demand, supply, quality and speculation and the product prices are updated constantly.
03	User additional features	Updating the model whenever new oil price data are available to capture the changing pattern of oil prices.
04	User expectations	Achieving the highest accuracy.

NON-FUNCTIONAL REQUIREMENTS

Following are the non functional requirements of the proposed solution.

SI NO	NON FUNCTIONAL REQUIREMENT	DESCRIPTION
01	Usability	Crude oil price fluctuations have a far reaching impact on global economies and thus **price forecasting can assist in minimizing the risks associated with volatility in oil prices**
02	Security	Price forecasts are very important to various stakeholders: governments, public and private enterprises, policymakers,

SI NO	NON FUNCTIONAL REQUIREMENT	DESCRIPTION
		and investors.
03	Reliability	The predicted price of crude oil can not be trusted because the accuracy of crude oil price is not stable.
04	Performance	The performance of crude oil price price prediction is highly complicated since a greater number of test cases is done.
05	Availability	Availability of solutions is more beneficial for importers and exporters and as well as people around the world.
06	Scalability	Scalability is much greater(90% - 95%).