**Project Design Phase-II**

**Data Flow Diagram &User Stories**

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

**Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Entering crude oil price of past ten days

ANN ALGORITHM

DATA PROCESSING

USER

PREDICTED VALUE

**User Stories**

| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Front page | USN-1 | As an user, I can view the front page of the website where the description about the application is available. | 2 | High | Anjana N and Madhumitha M |
| Sprint-2 | Entering the past data | USN-2 | As an user, I can enter the past ten days data. | 2 | Low | Anu Pratha K and Mercy Gnana Priya R |
| Sprint-3 | Data Augmentation | USN-3 | As a developer,the ANN dataset must be augmented. | 1 | High | Anjana N and Madhumitha M |
| Sprint-3 | Classification of ANN model | USN-4 | As a developer, the model must be classified. | 3 | High | Anu Pratha K and Mercy Gnana Priya R |
| Sprint-3 | Compiling the model | USN-5 | As a developer, the model must be compiled. | 3 | High | Anu Pratha K and Mercy Gnana Priya R |
| Sprint-4 | Predicting the price of crude oil | USN-3 | As an user, I can get the predicted value of crude oil price. | 2 | High | Anjana N,Madhumitha M,Anu Pratha K and Mercy Gnana Priya R |