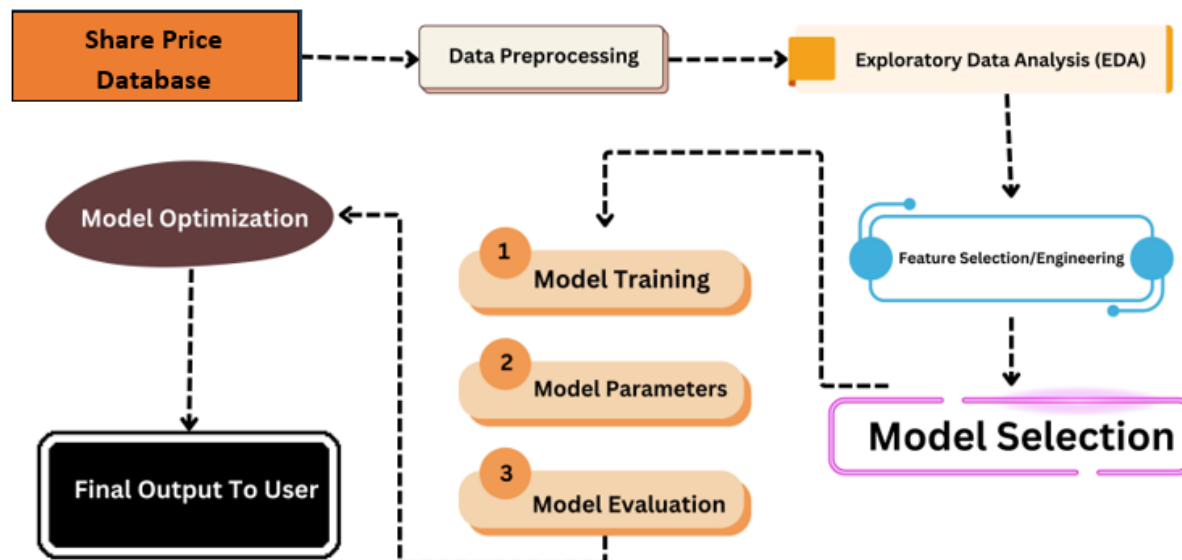


## Project Design Phase-II

### Data Flow Diagram & User Stories

Date	31th October 2023
Team ID	592419
Project Name	Share Price Estimation of Top 5 GPU Companies
Maximum Marks	2 Marks

Data Flow:



## User Stories:

User Type: Data Scientist

Functional Requirement (Epic): Share Price Prediction

User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
DSN-1	As a data scientist, I can preprocess the share price data to prepare it for analysis.	I can transform raw data into a suitable format for further analysis.	High	Sprint-1
DSN-2	As a data scientist, I can perform exploratory data analysis on the pre-processed data.	I can understand the relationships between different features and the target variable.	High	Sprint-1
DSN-3	As a data scientist, I can select and engineer features for the machine learning model.	I can identify the most relevant features for predicting share prices.	High	Sprint-2
DSN-4	As a data scientist, I can select an appropriate machine learning model for price prediction.	I can choose a model that is suitable for regression tasks.	High	Sprint-2

<b>DSN-5</b>	As a data scientist, I can train the selected model on the training dataset.	I can fit the model to the training data and adjust its parameters.	High	Sprint-3
<b>DSN-6</b>	As a data scientist, I can evaluate the performance of the trained model.	I can assess how well the model predicts share prices using appropriate metrics.	High	Sprint-3
<b>DSN-7</b>	As a data scientist, I can optimize the performance of the model if necessary.	I can improve the model's performance by tuning its parameters or using advanced techniques.	Medium	Sprint-4