

## Initial Project Planning Report

|               |                                                   |
|---------------|---------------------------------------------------|
| Date          | 28-09-2024                                        |
| Team ID       | LTVIP2024TMID24963                                |
| Project Name  | Time Series Analysis For Bitcoin Price Prediction |
| Maximum Marks | 4 Marks                                           |

### Product Backlog, Sprint Schedule, and Estimation

Use the below template to create a product backlog and sprint schedule

| TASKS  | Functional Requirement (Epic) | User Story Number/ Task no | User Story / Task       | Priority | Team Members | Task Start Date | Task End Date (Planned) |
|--------|-------------------------------|----------------------------|-------------------------|----------|--------------|-----------------|-------------------------|
| Task-1 | Installation of prerequisites | TSK-273310                 | Install anaconda        | Low      | Sai Tejasvi  | 2024/09/20      | 2024/09/22              |
| Task-1 |                               | Tsk-273311                 | Install py packages     | low      | Sai Tejasvi  | 2024/09/20      | 2024/09/22              |
| Task-2 | Data collection               | Tsk-273312                 | Download dataset        | low      | Sai Tejasvi  |                 |                         |
| Task-3 | Data preprocessing            | TSK-273313                 | Importing the libraries | Low      | Sai Tejasvi  | 2024/09/20      | 2024/09/22              |
| Task-3 |                               | TSK-273314                 | Read the dataset        | Medium   | Tejaswini    | 2024/09/24      | 2024/09/29              |
| Task-3 |                               | TSK-273315                 | Univariate analysis     | Medium   | Tejaswini    | 2024/09/24      | 2024/09/29              |
| Task-3 |                               | TSK-273317                 | Bi variant analysis     | Medium   | Abhiram      | 2024/09/24      | 2024/09/29              |

| <b>Sprint</b> | <b>Functional Requirement (Epic)</b> | <b>User Story Number</b> | <b>User Story / Task</b>                                 | <b>Priority</b> | <b>Team Members</b> | <b>Task Start Date</b> | <b>Task End Date (Planned)</b> |
|---------------|--------------------------------------|--------------------------|----------------------------------------------------------|-----------------|---------------------|------------------------|--------------------------------|
| Task-4        | Model Building                       | TSK-273318               | Random forest                                            | High            | Abhiram             | 2024/10/07             | 2024/10/08                     |
| Task-4        | Model Building                       | TSK-273319               | Xgboost Model                                            | High            | Venkata Sai Tejas   | 2024/10/08             | 2024/10/08                     |
| Task-4        | Model Building                       | TSK-273320               | Compare the model                                        | low             | Venkata Sai Tejas   | 2024/10/09             | 2024/10/08                     |
| Task-4        | Model Building                       | TSK-273321               | Evaluating performance of the model and saving the model | low             | Venkata Sai Tejas   | 2024/10/09             | 2024/10/08                     |
| Task-5        | Application building                 | TSK-273322               | Building the html pages                                  | high            | Venkata Sai Tejas   | 2024/10/09             | 2024/10/13                     |
| Task-5        | Application building                 | TSK-273323               | Build python code                                        | high            | Venkata Sai Tejas   | 2024/10/10             | 2024/10/15                     |
| Task-5        | Application building                 | 273325                   | Predicting the result                                    | high            | Venkata Sai Tejas   | 2024/10/10             |                                |

## Screenshots:



