

### Initial Project Planning Template

|               |   |
|---------------|---|
| Date          | 12 July 2024  |
| Team ID       | 739971  |
| Project Name  | Estimating the stock keeping units using Machine Learning |
| Maximum Marks | 4 Marks   |

### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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

| <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>Sprint Start Date</b> | <b>Sprint End Date (Planned)</b> |
|---------------|--|--------------------------|--|-----------------|---------------------|--------------------------|----------------------------------|
| Sprint-1      | Data Collection and Preprocessing            | USN-2                    | Understanding & loading data                           | Low             | Abhinay             | 2024/05/05               | 2024/05/10                       |
| Sprint-1      | Data Collection and Preprocessing            | USN-3                    | Data Cleaning  | High            | Abhinay             | 2024/05/05               | 2024/05/12                       |
| Sprint-1      | Data Collection and Preprocessing            | USN-4                    | EDA  | Medium          | Abhinay             | 2024/05/05               | 2024/05/12                       |
| Sprint-2      | Exploratory data Analysis                    | USN-5                    | Descriptive Statistics                                 | Low             | Shaistha            | 2024/05/12               | 2024/05/15                       |
| Sprint-2      | Exploratory data Analysis                    | USN-7                    | Visual Analysis  | Medium          | Shaistha            | 2024/05/12               | 2024/05/15                       |
| Sprint-2      | Exploratory data Analysis                    | USN-6                    | Evaluating the model                                   | High            | Shaistha            | 2024/05/13               | 2024/05/19                       |
| Sprint-3      | Model Building                               | USN-8                    | Training the model in multiple algorithms              | High            | Shaistha            | 2024/05/20               | 2024/06/05                       |
| Sprint-3      | Model Building                               | USN-9                    | Testing the model                                      | Medium          | Shirisha            | 2024/06/10               | 2024/06/17                       |
| Sprint-3      | Performance testing & Hyper parameter tuning | USN-10                   | Testing the model with multiple evaluation metrics     | High            | Shirisha            | 2024/06/18               | 2024/06/20                       |
| Sprint-4      | Model development                            | USN-11                   | Save the best Model                                    | Medium          | Shirisha            | 2024/06/22               | 2024/05/25                       |
| Sprint-4      | Model development                            | USN-12                   | Integrate with Web Framework & building HTML templates | Medium          | Siddhartha          | 2024/06/22               | 2024/06/27                       |
| Sprint-4      | Model development                            | USN-13                   | Flask importing and app.py                             | High            | Siddhartha          | 2024/06/28               | 2024/05/30                       |

|                      |                |        |        |        |                       |            |            |
|----------------------|----------------|--------|--------|--------|-----------------------|------------|------------|
| Sprint-3<br>Sprint-4 | Project Report | USN-15 | Report | medium | Shirisha<br>Siddartha | 2024/07/01 | 2024/07/11 |
|----------------------|----------------|--------|--------|--------|-----------------------|------------|------------|