**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

| Date | 18 October 2022 |
| --- | --- |
| Team ID | PNT2022TMIDxxxxxx |
| Project Name | Project - xxx |
| Maximum Marks | 8 Marks |

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

| **Sprint** | **Epic** | **User Story Number** | **User Story** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Data Collection and Cleaning | 1 | Collect lending data | 2 | High | All |
| 1 | Data Collection and Cleaning | 2 | Clean and preprocess the data | 3 | High | All |
| 1 | Data Collection and Cleaning | 3 | Store data in suitable format | 2 | High | All |
| 1 | Data Collection and Cleaning | 4 | Verify data accuracy | 2 | High | All |
| 1 | Data Exploration and Visualization | 5 | Create basic visualizations | 3 | High | Data Analysts and Visualization Expert |
| 1 | Data Exploration and Visualization | 6 | Identify key variables for analysis | 2 | High | Data Analysts and Visualization Expert |
| 2 | Lending Patterns Analysis | 7 | Analyze lending patterns over time | 4 | Medium | Data Analysts |
| 2 | Lending Patterns Analysis | 8 | Segment data by region and sector | 3 | Medium | Data Analysts |
| 2 | Default Analysis | 9 | Analyze default rates on loans | 5 | High | Data Analysts |
| 2 | Default Analysis | 10 | Compare common characteristics of defaulting countries | 3 | High | Data Analysts |
| 3 | Geopolitical Clauses Analysis | 11 | Identify clauses related to military presence | 3 | Medium | Data Analysts and Visualization Expert |
| 3 | Geopolitical Clauses Analysis | 12 | Visualize where and how these clauses are applied | 4 | Medium | Data Analysts and Visualization Expert |
| 3 | Risk Assessment | 13 | Develop risk assessment models | 5 | High | Data Analysts and Data Scientist |
| 3 | Risk Assessment | 14 | Predict likelihood of a country falling into a debt trap | 4 | High | Data Analysts and Data Scientist |
| 4 | Impact Assessment | 15 | Assess geopolitical and economic impact | 3 | Medium | Data Analysts and Domain Expert |
| 4 | Impact Assessment | 16 | Identify recommendations for stakeholders | 2 | Medium | Data Analysts and Domain Expert |
| 4 | Create Tableau Dashboards | 17 | Design interactive dashboards | 5 | High | Visualization Expert |
| 4 | Create Tableau Dashboards | 18 | Ensure user-friendliness and interactivity | 4 | High | Visualization Expert |
| 4 | Documentation and Reporting | 19 | Document data sources and cleaning processes | 3 | Medium | Data Analysts and Presentation Expert |
| 4 | Documentation and Reporting | 20 | Prepare a compelling report for presentation | 3 | Medium | Data Analysts and Presentation Expert |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| Sprint | Total Story Points | Duration | Planned Start Date | Planned End Date | Story Points Completed (as of Planned End Date) | Actual Release Date |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 14 | 7 days | October 15, 2023 | October 22, 2023 | 5 | November 9, 2023 |
| 2 | 20 | 7 days | October 23, 2023 | October 30, 2023 | [Points Completed] | [Actual Release Date] |
| 3 | 17 | 7 days | October 31, 2023 | November 7, 2023 | [Points Completed] | [Actual Release Date] |
| 4 | 12 | 7 days | November 8, 2023 | November 15, 2023 | [Points Completed] | [Actual Release Date] |

**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

