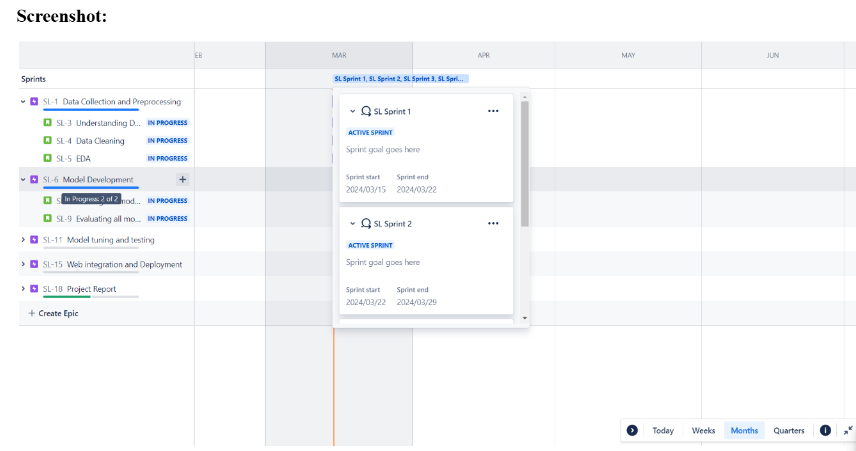
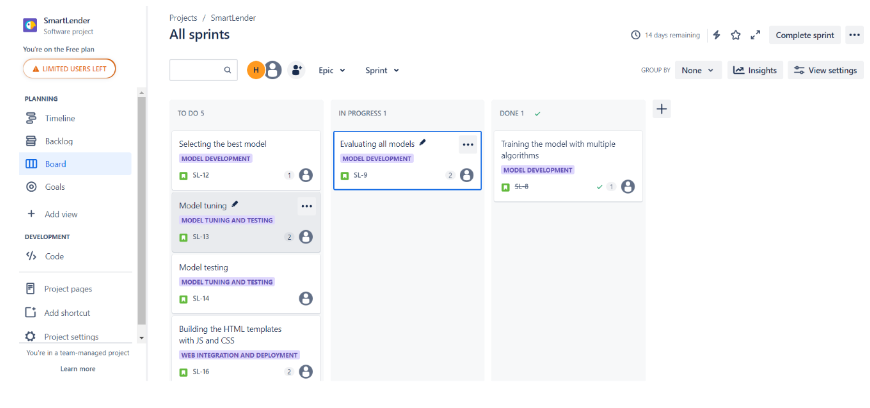
**Initial Project Planning Template**

|  |  |
| --- | --- |
| Date | 03 july 2024 |
| Team ID | 739654 |
| Project Name | Predicting Co2 Emission By Countries Using Machine Learning |
| Maximum Marks | 4 Marks |

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

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Data collection | USN-1 | As a developer, I can collect historical CO2 emissions data from multiple sources | 2 | medium | priyanka | June 10th | June 13th |
| Sprint-1 | Data Collection | USN-2 | As developer, I can clean and preprocess the collected CO2 emissions data | 1 | High | priyanka | June 13th | June 17th |
| Sprint-2 | Data analysis | USN-3 | As a data scientist, I can analyze trends and patterns in the CO2 emissions data | 2 | Low | malavika | June 17th | June 19th |
| Sprint-2 | Model Training | USN-4 | As a data scientist, I can train a machine learning model to predict future CO2 emissions based on historical data | 4 | Medium | malavika | June 19th | June 21st |
| Sprint-3 | Model Evaluation | USN-5 | As a data scientist, I can evaluate the performance of the trained model suing various metrics | 2 | Medium | malavika | June 21st | June 23rd |
| Sprint-3 | Model Deployment | USN-6 | As a developer , I can deploy the trained model to a cloud platform for predictions | 3 | High | vamshi | June 23rd | June 26th |
| Sprint-4 | User Interface | USN-7 | As a developer, I can create a user interface to visualize CO2 emissions predictions for different countries | 3 | Medium | vamshi | June 26th | June 29th |
| Sprint-4 | User Testing | USN-8 | As a tester , I can perform user acceptance testing to ensure the application meets the requirements | 2 | High | sagar | June 29th | July 3rd |

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