project Planning Phase

Project Planning Template(Product Backlog, Sprint Planning, Stories, StoryPoints)

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| --- | --- |
| Date | 17 NOV 2022 |
| Team ID | PNT2022TMID38905 |
| Project name | AI Powered Nutrition Analyser and Enthusiasts |
| Maximum Mark | 8 Marks |

Product Backlog.Sprint Schudule and Estimation(4 marks)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sprint | Functional Requirem | User story  number | User story/Task | | StoryPoints | Priority | Team members |
| Sprint-1 | Data Collection | USN-1 | Download Food Nutrition Dataset | | 4 | High | kiruthika |
| Sprint-1 | Data Preprocessing | USN-2 | Importing The Dataset into Workspace | | 1 | Low | Girija |
| Sprint-1 |  | USN-3 | Handling Missing Data | | 3 | Medium | Jayasri |
| Sprint-1 |  | USN-4 | Feature Scaling | | 3 | Low | Eashwar |
| Sprint-1 |  | USN-5 | Data Visulization | | 4 | High | kiruthika |
| Sprint-1 |  | USN-6 | Spliting the DataSet into Train and Test | | 4 | Medium | Girija |
| Sprint-1 |  | USN-7 | Creating a Dataset with SlidingWindows | | 4 | Medium | Jayasri |
| Sprint-2 | Model Building | USN-8 | Importing the Model Building Libraries | | 1 | Medium | Eashwar |
| Sprint-2 |  | USN-9 | Initialization and Model | | 3 | High | kiruthika |
| Sprint-2 |  | USN-10 | Adding LSTM Layer | | 2 | Medium | Girija |
| Sprint-2 |  | USN-11 | Adding Output Layer | | 3 | High | Jayasri |
| Sprint-2 |  | USN-12 | | Configure the learning process | 2 | Low | Eashwar |
| Sprint-2 |  | USN-13 | | Train the model | 2 | Medium | Jayasri |
| Sprint-2 |  | USN-14 | | Model evaluation | 1 | Medium | girija |
| Sprint-2 |  | USN-15 | | Save the model | 2 | Medium | Eashwar |
| Sprint-2 |  | USN-16 | | Test the model | 3 | high | kiruthika |
| Sprint-3 | Application building | USN-17 | | Create and HTML file | 4 | Medium | jayasri |
| Sprint-3 |  | USN-18 | | Build python model | 4 | high | girija |
| Sprint-3 |  | USN-19 | | Creating our flask application and load our model by using load- model method | 4 | Medium | Kiruthika |
| Sprint-3 |  | USN-20 | | Routing to HTML page | 4 | high | Girija |
| Sprint-3 |  | USN-21 | | Run the application | 2 | Medium | Girija |
| Sprint-4 | Train the model on IBM | USN-21 | | Register For IBM Cloud | 4 | Medium | Jayasri |
| Sprint-4 |  | USN-22 | | Train The ML Model On IBM | 8 | High | Kiruthika |
| Sprint-4 |  | USN-23 | | Integrate Flask with Scoring End Point | 8 | High | eashwar |

project Tracker, Velocity & Burn down Chart: (4marks)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| sprint | Total story points | duration | Sprint start date | Sprint end date(planned) | Story points completed(as on planned end date) | Sprint release date(actual) |
| Sprint-1 | 20 | 6days | 24Oct2022 | 29Oct2022 | 20 | 17Nov2022 |
| Sprint-2 | 20 | 6days | 31Oct2022 | 05Nov2022 | 20 | 17Nov2022 |
| Sprint-3 | 20 | 6days | 07Nov2022 | 12Nov2022 | 20 | 17Nov2022 |
| Sprint-4 | 20 | 6days | 14Nov2022 | 19nov2022 | 20 | 17Nov2022 |

Velocity:

Imagination we have a 10-days sprint duration, and the velocity of the team is 20 (points per sprint)

lets calculate the teams average velocity(AV) periteration unit(story points per day)

