Project Planning Phase

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

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID31779 |
| Project Name | Digital Naturalist - AI Enabled tool for Biodiversity Researchers |
| Maximum Marks | 8 Marks |

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

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Modelling Phase | USN-1 | Data Collecting and digitalizing for analyzing. | 3 | Medium | ARTHIKA V S |
| Sprint-1 | USN-2 | Adding more data to avoid overfitting. | 2 | Medium | ARCHITHA A |
| Sprint-1 | USN-3 | Building a CNN model using the collected data | 5 | High | SUDHAKAR N |
| Sprint-1 | USN-4 | Evaluating the model to check the accuracy and precision. | 3 | High | SUDHAKAR N |
| Sprint-2 | Development Phase | USN-5 | Home page Creation – Shows the features of our application. | 1 | Low | TAMILARASU V |
| Sprint-2 | USN-6 | Setting up facilities for user to feed the image. | 2 | Medium | ARTHIKA V S |
| Sprint-2 | USN-7 | Prediction page creation – shows prediction for the user given image. | 4 | Medium | ARCHITHA A |
| Sprint-2 | USN-8 | Model loading – API creation using flask. | 5 | High | SUDHAKAR N |
| Sprint-3 | Deployment Phase | USN-9 | Integrating UI & backend – Connecting the front end and backend using API calls. | 3 | Medium | SUDHAKAR N,  TAMILARASU V,  ARTHIKA V S  ARCHITHA A |
| Sprint-3 | USN-10 | Cloud deployment – Deployment of application using IBM Cloud. | 5 | High | TAMILARASU V |
| Sprint-4 | Testing Phase | USN-11 | Functional testing – Checking the scalability and robustness of the application. | 5 | High | TAMILARASU V,  ARCHITHA A  ARTHIKA V S |
| Sprint-4 | USN-12 | Non-Functional testing – Checking for user acceptance and integration. | 5 | High | SUDHAKAR N  ARCHITHA A  ARTHIKA V S |

Project Tracker, Velocity (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 13 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 13 | 29 Oct 2022 |
| Sprint-2 | 12 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 12 | 05 Nov 2022 |
| Sprint-3 | 8 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 8 | 12 Nov 2022 |
| Sprint-4 | 10 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 10 | 19 Nov 2022 |

Velocity:

Average Velocity = 61/24 = 2.51