

Project Planning Phase

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

| | |
|---------------|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID38067 |
| Project Name | Digital Naturalist - AI Enabled tool for Biodiversity Researchers |
| Maximum Marks | 8 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-1 | Modelling Phase | USN-1 | Data Collecting and digitalizing for analysing | 3 | Medium | ABISHEK S |
| Sprint-1 | | USN-2 | Adding more data to avoid overfitting | 2 | Medium | BHARANIDHARAN N |
| Sprint-1 | | USN-3 | Building a CNN model using the collected data | 5 | High | GOKUL R |
| Sprint-1 | | USN-4 | Evaluating the model to check the accuracy and precision | 3 | High | DINESH KUMAR T |
| Sprint-2 | Development Phase | USN-5 | Home page Creation – Shows the features of our application | 1 | Low | JAGAN P |
| Sprint-2 | | USN-6 | Setting up facilities for user to feed the image | 2 | Medium | ABISHEK S |
| Sprint-2 | | USN-7 | Prediction page creation – shows prediction for the user given image | 4 | Medium | DINESH KUMAR T |
| Sprint-2 | | USN-8 | Model loading – API creation using flask | 5 | High | BHARANIDHARAN N |
| Sprint-3 | Deployment Phase | USN-9 | Integrating UI & backend – Connecting the front end and backend using API calls | 3 | Medium | GOKUL R |
| Sprint-3 | | USN-10 | Cloud deployment – Deployment of application using IBM Cloud | 5 | High | JAGAN P |
| Sprint-4 | Testing Phase | USN-11 | Functional testing – Checking the scalability and robustness of the application | 5 | High | DINESH KUMAR T, ABISHEK S |
| Sprint-4 | | USN-12 | Non-Functional testing – Checking for user acceptance and integration | 5 | High | GOKUL R, BHARANIDHARAN N |

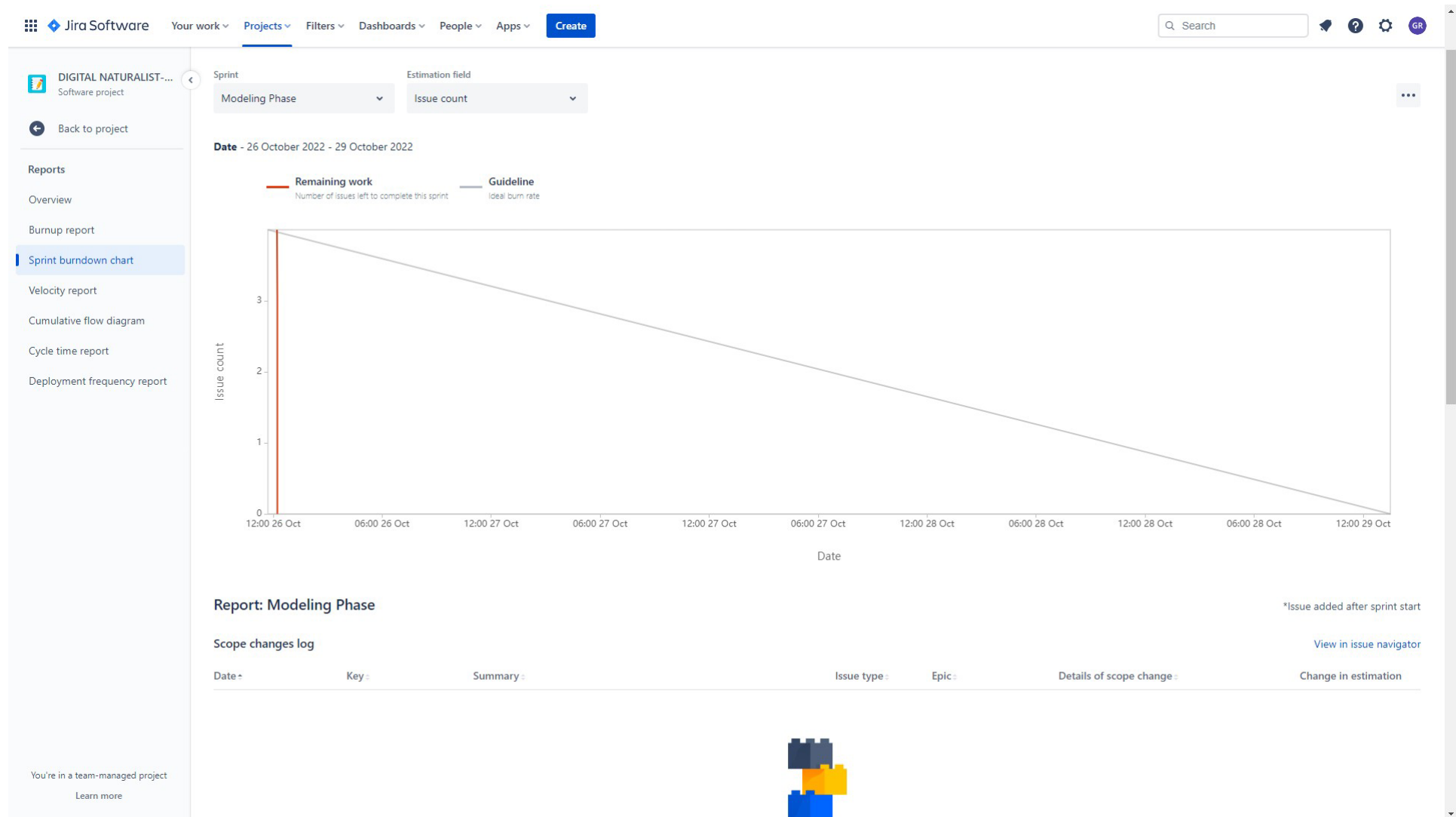
Project Tracker, Velocity & Burndown Chart: (4 Marks)

| 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 = $61/24 = 2.51$

Burndown Chart:



Roadmap:

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PLANNING

- Roadmap
- Backlog
- Board
- Reports

DEVELOPMENT

- Code
- Project pages
- Add shortcut
- Project settings

GR
Status category ▾

View settings

| | OCT | OCT | OCT | NOV | NOV | NOV | NOV | NOV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|--|--|---------------|--|--|--|--|--|--|--|--|--|
| | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | | | | | | | | |
| Sprints | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Modeling Phase, Development Phase, Deployment Phase | | | | | | | | | | Testing Phase | | | | | | | | | |
| DIGI-1 Data collecting and analysing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-2 Adding more data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-3 Build CNN model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-4 Test CNN model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-5 Create home page | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-6 Setup upload facility | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-7 Create prediction page | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-8 Create apis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-9 Integrate ui and api | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-10 Deploy the app in cloud | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-11 Test for robustness of teh appli... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIGI-12 test the user acceptance and in... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| + Create Epic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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