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

Date 21-10-2023
Team ID 592871
Project Deep Learning Model For Eye Disease Prediction
Maximum Marks 20 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number / User Story / Task	Story Points	Priority	Team Members
Sprint-1	Project setup & Infrastructure	USN-1 Set up the development environment with the required tools and frameworks to start the eye disease classification project.	1	High	Jatin
Sprint-1	development environment	USN-2 Gather a diverse dataset of images containing different types of eye samples (healthy, cataract, glaucoma, diabetic retinopathy) for training the deep learning model.	2	High	Shaurya
Sprint-2	Data collection	USN-3 Preprocess the collected dataset by resizing images, normalizing pixel values, and splitting it into training and validation sets.	2	High	Spriha
Sprint-2	data preprocessing	USN-4 Explore and evaluate different deep learning architectures (e.g., CNNs) to select the most suitable model for disease classification.	3	High	Jatin

Sprint-3	model development	USN-5 train the selected deep learning model using the preprocessed dataset and monitor its performance on the validation set.	4	High	Sarvesh
Sprint-3	Training	USN-6 implement data augmentation techniques (e.g., rotation, flipping) to improve the model's robustness and accuracy.	6	medium	Spriha/ Sarvesh
Sprint-4	Model deployment & Integration	USN-7 deploy the trained deep learning model as an API or web service to make it accessible for disease classification. integrate the model's API into a user-friendly web interface for users to upload images and receive garbage classification results.	1	medium	Shaurya
Sprint-5	Testing and quality assurance	USN-8 conduct thorough testing of the model and web interface to identify and report any issues or bugs. fine-tune the model hyperparameters and optimize its performance based on user feedback and testing results.	1	medium	Jatin

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

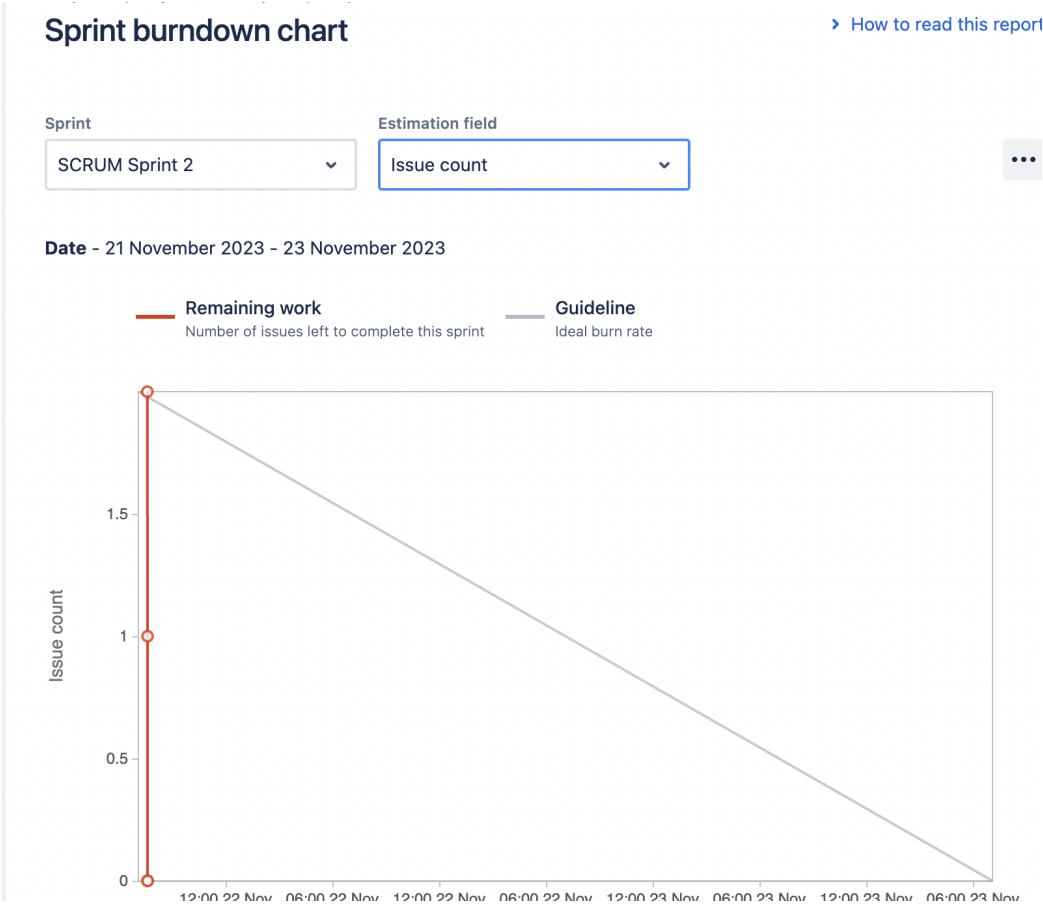| Sprint	Total Story Points	Duration Sprint Start Date Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	3	3 Days 19 Oct 2023 21 Oct 2023	3	19 Oct 2023
Sprint-2	5	6 Days 22 Oct 2023 27 Oct 2023	8	22 Oct 2023
Sprint-3	10	10 Days 28 Oct 2023 6 Nov 2023	18	28 Oct 2023
Sprint-4	1	7 Days 7 Nov 2023 13 Nov 2023	19	7 Nov 2023
Sprint-5	1	7 Days 14 Nov 2023 20 Nov 2023	20	14 Nov 2023

Velocity:

Imagine we have a 29-days 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

AV= 32/20 = 1.60

Burndown Chart:

Sprint burndown chart

Sprint

SCRUM Sprint 2 ⌄

Estimation field

Issue count ⌄

•••

Date - 21 November 2023 - 23 November 2023

Remaining work
Number of issues left to complete this sprint

Guideline
Ideal burn rate

Board section.

SCRUM Sprint 3

⚡ ⭐ 🕐 0 days remaining ⤢ **Complete sprint** ⋯

🔍 👤 👥 GROUP BY | More ⌄ | ☁ Import work | 📈 Insights | ⚙ View settings

TO DO 1	IN PROGRESS 1	DONE ✓
Training 📗 SCRUM-6 👤	model development ✏ ⋯ 📗 SCRUM-5 - 👤	

Backlog section

Backlog

Invite   More ⌄   Import work   Insights   View settings

⌄ **SCRUM Sprint 3** 28 Oct – 6 Nov (2 issues)   0 0 0   Complete sprint   ⋯

⬚ SCRUM-5 model development   IN PROGRESS...   -   👤
⬚ SCRUM-6 Training   TO DO ⌄   -   👤

\+ Create issue

⌄ **SCRUM Sprint 4** 7 Nov – 13 Nov (1 issue)   0 0 0   Start sprint   ⋯

⬚ SCRUM-7 Model deployment & Integration   TO DO ⌄   -   👤

\+ Create issue

⇳   1 issue │ Estimate: 0

⌄ **SCRUM Sprint 5** 14 Nov – 20 Nov (1 issue)   0 0 0   Start sprint   ⋯

⬚ SCRUM-8 Testing and quality assurance   TO DO ⌄   -   👤

\+ Create issue

Timeline