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

Date	15 November 2023
Team ID	Team-591817
Project Name	Transfer learning for identifying the sports
Maximum Marks	8 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	Data collection	USN-1	I'd like to be able to identify the sports. Obtaining local sports data in order to train the model.	7	High	Chakri, Manikanta & Prasanth
Sprint-2	Data preprocessing	USN-2	I want to be able to use techniques to preprocess images and clean raw sports image data to assure consistency.	5	Low	Gunavardhan & Manikanta
Sprint-3	Training Model	USN-3	I'd like to train the deep learning model on the most recent and accurate sports images. The model should also be trained with new labeled data.	8	High	Chakri, Prasanth & Gunavardhan
Sprint-4	Model Evaluation	USN-4	I'd like the model to be capable of detecting and forecasting images from extreme sports. The model should accurately detect extremes in images.	5	High	Manikanta & Prasanth
Sprint-5	Model Testing	USN-5	To ensure accuracy and reliability, conduct extensive testing and validation of the Deep Learning model's predictions and accuracy as well as the user interface's functionality.	5	Medium	Chakri, & Prasanth
Sprint-6	User Interface	USN-6	I want the website to provide easy to understand sport image predictions. The application should take the image as input in order to predict the output.	5	Medium	Chakri & Gunavardhan

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	7	5 Days	26 oct 2023	30 oct 2023	7	15 Nov 2023
Sprint-2	5	2 Day	31 Nov 2023	1 Nov 2023	5	15 Nov 2023
Sprint-3	8	6 Days	2 Nov 2023	7 Nov 2023	8	15 Nov 2023
Sprint-4	5	4 Days	9 Nov 2023	12 Nov 2023	5	15 Nov 2023
Sprint-5	5	4 Days	13 Nov 2023	16 Nov 2023	5	15 Nov 2023
Sprint-6	5	3 Days	17 Nov 2023	19 Nov 2023	5	15 Nov 2023

Velocity:
Imagine we have a 9-day sprint duration, and the velocity of the team is 36 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{Sprint\ duration}{velocity} = \frac{36}{9} = 4.00$$

AV= 4.00

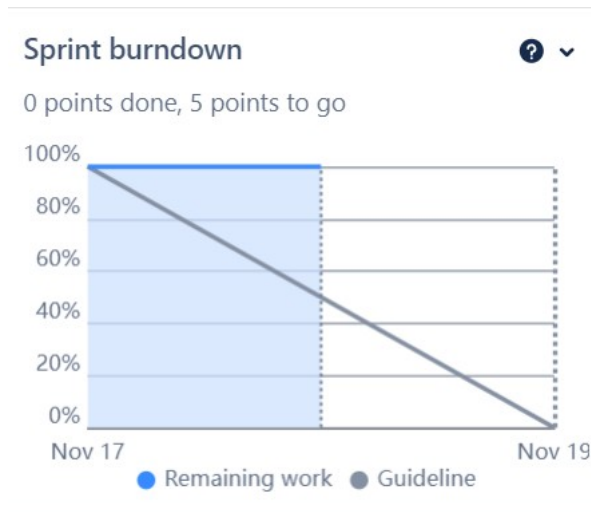**Burndown Chart:**

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Board section:

All sprints

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

🔍 | (PN)(CE)(SM)(SR) | Invite | Epic ⌄ | Sprint **5** ⌄ | Clear filters | GROUP BY | None ⌄ | ☁ 📈 ⚙

TO DO 1 OF 1	IN PROGRESS 1 OF 1	DONE 10 OF 10 ✓	+
Image classification and response generation ,Error handling and feedback.	Implement the transfer learning model and Develop the image uploading interface.	Prepare evaluation datasets and Define evaluation metrics.	
USER INTERFACE	**USER INTERFACE**	**MODEL EVALUATION**	
🔖 TLFIS-30 2 (SR)	🔖 TLFIS-29 3 (CE)	🔖 ~~TLFIS-21~~ ✓ 3 (SM)	
		Train the model and Evaluate the trained model	
		MODEL EVALUATION	
		🔖 ~~TLFIS-22~~ ✓ 2 (CE)	
		Collecting the image of hundred different sports classes.	
		DATA COLLECTION	
		🔖 ~~TLFIS-7~~ ✓ 3 (SM)	

💡 **Quickstart** ✕

Backlog section:

Backlog

Epic ✕		Sprint 1 26 Oct – 30 Oct (3 issues)		0 **0** **7**	Complete sprint	···

Issues without epic

> 🟪 Data collection

> 🟪 Data preprocessing

> 🟪 Training model

> 🟪 Model evaluation

> 🟪 Model Testing

> 🟪 User Interface

\+ Create epic

> **Sprint 1** 26 Oct – 30 Oct (3 issues)   0 **0** **7**   Complete sprint ···

> **Sprint 2** 31 Oct – 1 Nov (2 issues)   0 **0** **5**   Complete sprint ···

∨ **Sprint 3** 2 Nov – 7 Nov (3 issues)   0 **0** **8**   Complete sprint ···

Trying the model with already pre-existing models

🔖 ~~TLFIS-12~~ Evaluate various pre-trained deep learning models, such as …   TRAINING M…   DONE ∨   3   CE

🔖 ~~TLFIS-14~~ Track the model's loss and accuracy on the training and vali…   TRAINING M…   DONE ∨   2   SR

🔖 ~~TLFIS-13~~ Split the preprocessed sports image dataset into training, v…   TRAINING M…   DONE ∨   3   PN

\+ Create issue

> **Sprint 4** 9 Nov – 12 Nov (2 issues)   0 **0** **5**   Complete sprint ···

💡 Quickstart ✕

Timeline:

Sprints	OCT 23 24 25 26 27 28 29	NOV 30 31 1 2 3 4 5	NOV 6 7 8 9 10 11 12	NOV 13 14 15 16 17 18 19 20 21
	Sprint 1	Sprint 2 / Sprint 3	Sprint 4	Sprint 5 / Sprint 6

> ⚡ TLFIS-1 Data collection ＋

> ⚡ TLFIS-2 Data preprocessing

⌄ ⚡ TLFIS-3 Training model

    ▢ TLFIS-12 Evaluate variou... DONE (CE)

    ▢ TLFIS-14 Track the mode... DONE (SR)

    ▢ TLFIS-13 Split the prepro... DONE (PN)

> ⚡ TLFIS-4 Model evaluation

> ⚡ TLFIS-5 Model Testing

> ⚡ TLFIS-6 User Interface

＋ Create Epic

Today | Weeks | Months | Quarters | ℹ | ⤡

💡 Quickstart ✕