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

Date	31 October 2023	
Team ID	Team-592923	
Project Name	Garment Worker Productivity Prediction	
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	Project setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the garment worker productivity prediction project.	3	High	Hemesh
Sprint 1	Data Collection	USN-2	Gather data related to garment workers, including factors like working hours, machine usage, and other relevant parameters for training the prediction model.	2	High	Shareef
Sprint 2	Data Preprocessing	USN-3	Preprocess the collected data, handle missing values, scale features, and prepare it for training the productivity prediction model.	2	High	Hemesh
Sprint 2	Feature Engineering	USN-4	Explore and engineer relevant features that can contribute to the accuracy of the productivity prediction model.	3	High	Chaitanya
Sprint 3	Model Development	USN-5	Train a machine learning model using the preprocessed data to predict garment worker productivity based on the selected features.	3	High	Chaitanya
Sprint 3	Model Evaluation	USN-6	Evaluate the model's performance using appropriate metrics and fine-tune it for better accuracy.	2	Medium	Shareef

Sprint 4	Model Deployment & Integration	USN-7	Deploy the trained model as an API or service for predicting garment worker productivity. Integrate the model into a user-friendly interface for users to input relevant parameters and receive predictions.	2	Medium	Chaitanya
Sprint 5	Testing & Quality Assurance		Conduct thorough testing of the model and interface to identify and address any issues. Optimize the model based on user feedback and testing results.	3	Medium	Hemesh

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

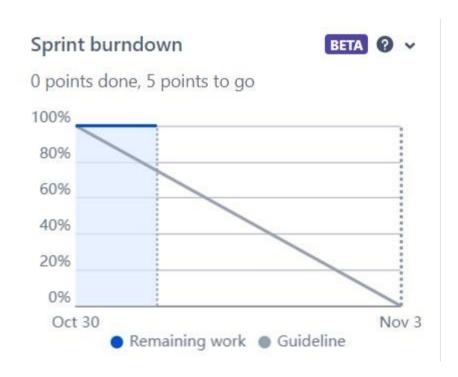
Sprint	Total Story Points	Duration - Sprint Start Date Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	5	3 Days 26 Oct 2023 29 Oct 2023	5	29 Oct 2023
Sprint-2	5	3 Days 29 Oct 2023 31 Oct 2023	5	31 Oct 2023
Sprint-3	5	2 Days 1 Nov 2023 3 Nov 2023	5	3 Nov 2023
Sprint-4	2	2 Days 3 Nov 2023 5 Nov 2023	2	5 Nov 2023
Sprint-5	3	1 Days 5 Nov 2023 6 Nov 2023	3	6 Nov 2023

# **Velocity:**

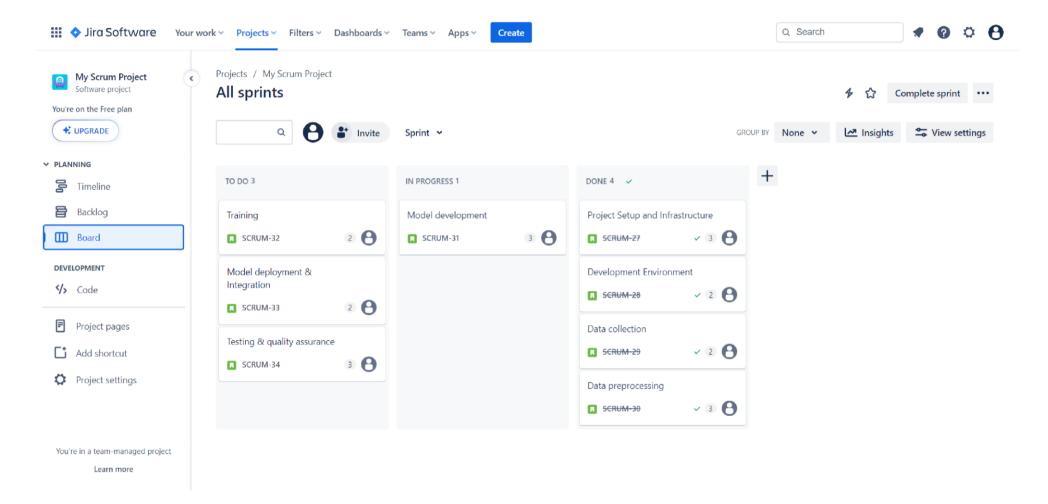
Average Velocity = Sprint Duration / Velocity = 11/5 = 2.2

#### **Burndown Chart:**

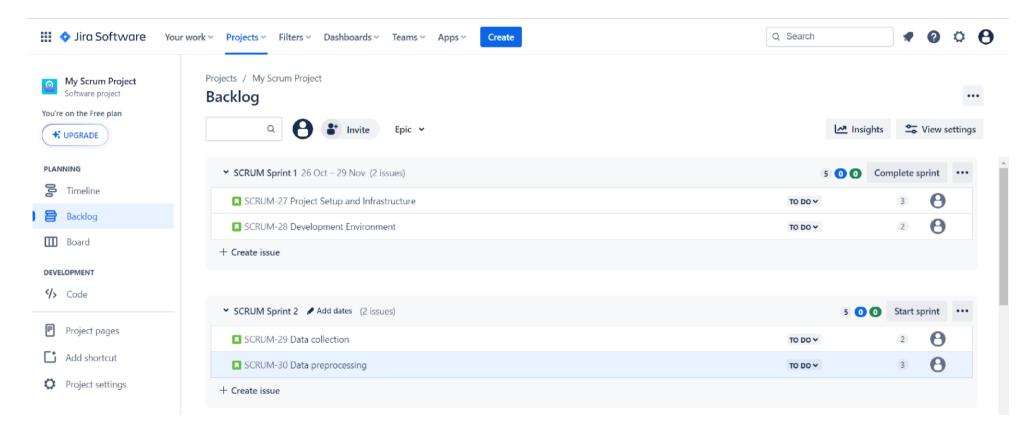
A burndown chart is a graphical representation of work left to do versus time.

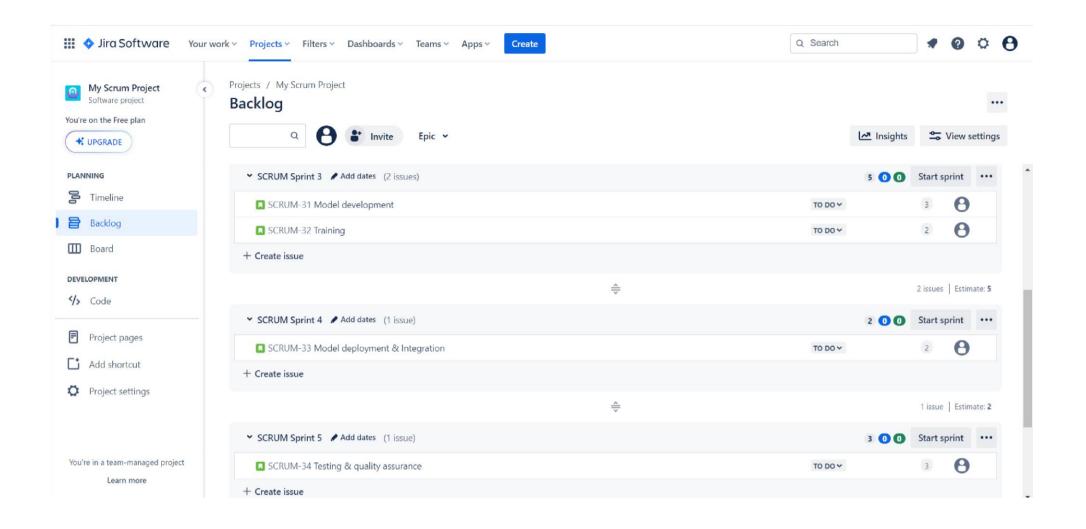


#### **Board Section**



## **Backlog section**





#### **Time Line**

