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

Date	22 October 2022
Team ID	PNT2022TMID46353
Project Name	Project- "Exploratory Analysis Of Rainfall Data In India For Agriculture"
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Team Lead Team Member1
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	Low	Team Member1 Team Member2
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	5	High	Team Member1 Team Member3
Sprint-2	Dashboard	USN-4	Displaying of 5-day Weather Forecast	8	Low	Team Lead Team Member2

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Rainfall Prediction model	USN-5	Collecting weather dataset, data pre-processing and make a data visualization and train using ML algorithms	5	High	Team Lead Team Member3
Sprint-3	Rainfall Prediction	USN-6	User can enter the parameters (temp levels), the prediction is made and the result is displayed	5	High	Team Member1 Team Member3
Sprint-4	Testing	USN-7	Test the model	10	High	Team Member2 Team Member3
Sprint-4	Deploying of model	USN-8	Deploy the model in IBM Cloud	10	High	Team Lead Team Member2

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

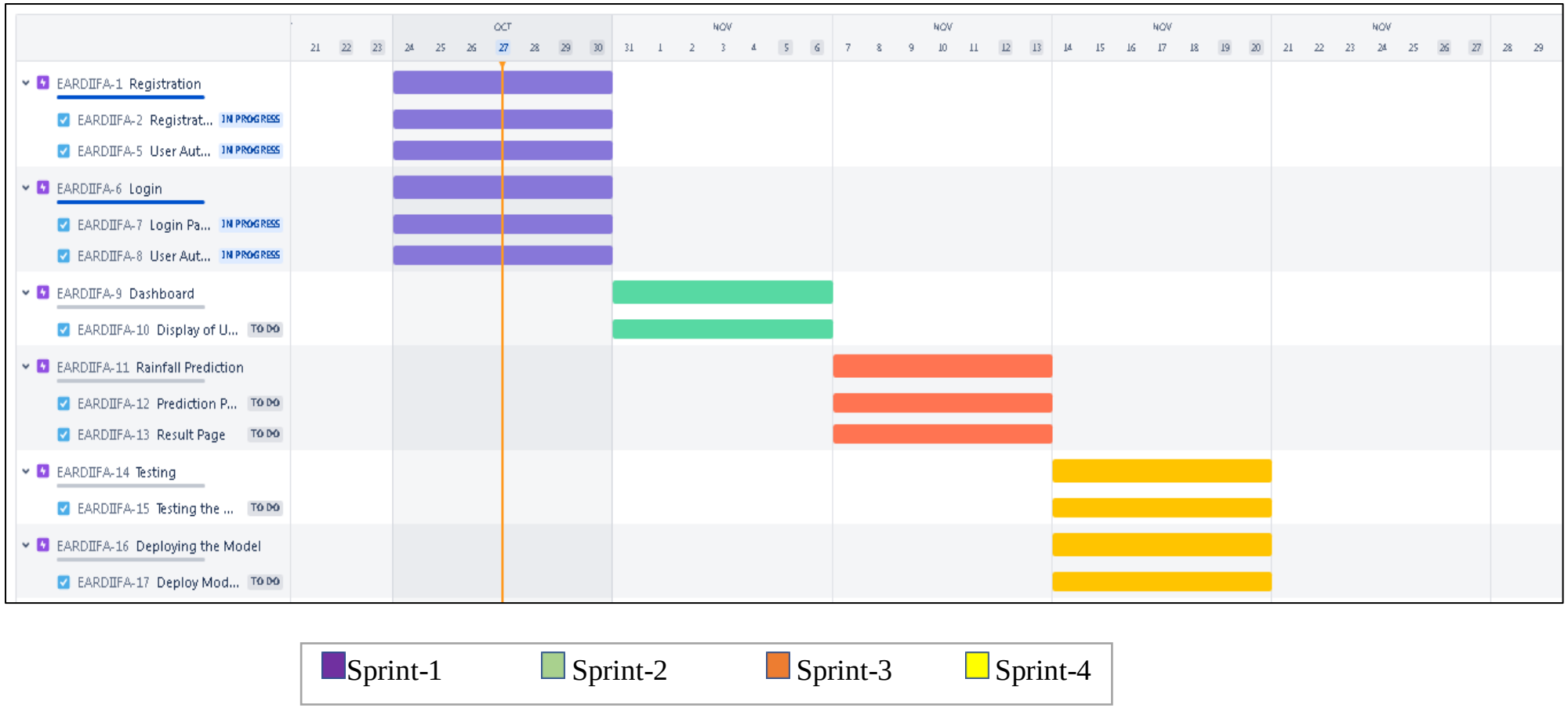
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	20 Nov 2022

Velocity:

Imagine we have a 10-day 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)

Sprint	Average Velocity
Sprint-1	5
Sprint-2	8
Sprint-3	5
Sprint-4	10
Total Average Velocity	7

Roadmap (Using Jira Software):



Roadmap Link: https://rainfallanalysis.atlassian.net/jira/software/projects/EARDIIFA/boards/1/roadmap

Burndown Chart: A burn down 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.