

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

Date	18 October 2022
Team ID	PNT2022TMID21508
Project Name	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	Dataset Analysis	USN-1	Download the weather dataset and analyze it.	1	High	Shahithya L
	Dataset preprocessing	USN-2	Examine the dataset and perform preprocessing steps	1	Medium	Riddhi S
Sprint-2	Model Creation and Training	USN-3	Create a model from the training data	2	Low	Jeya Devi K J
	Registration	USN-4	As a user, I can register for the application .	2	Low	Kanishta G
	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Shahithya L
Sprint-3	Dashboard	USN-6	As a user, once I log in, I can view the Rainfall Prediction page	1	High	Jeya Devi K J
	Predictor	USN-7	As a user, I can specify all the values for prediction and get accurate results	1	High	Kanishta G
	Base Flask App	USN-8	Integrate Flask and the built model	2	High	Riddhi S

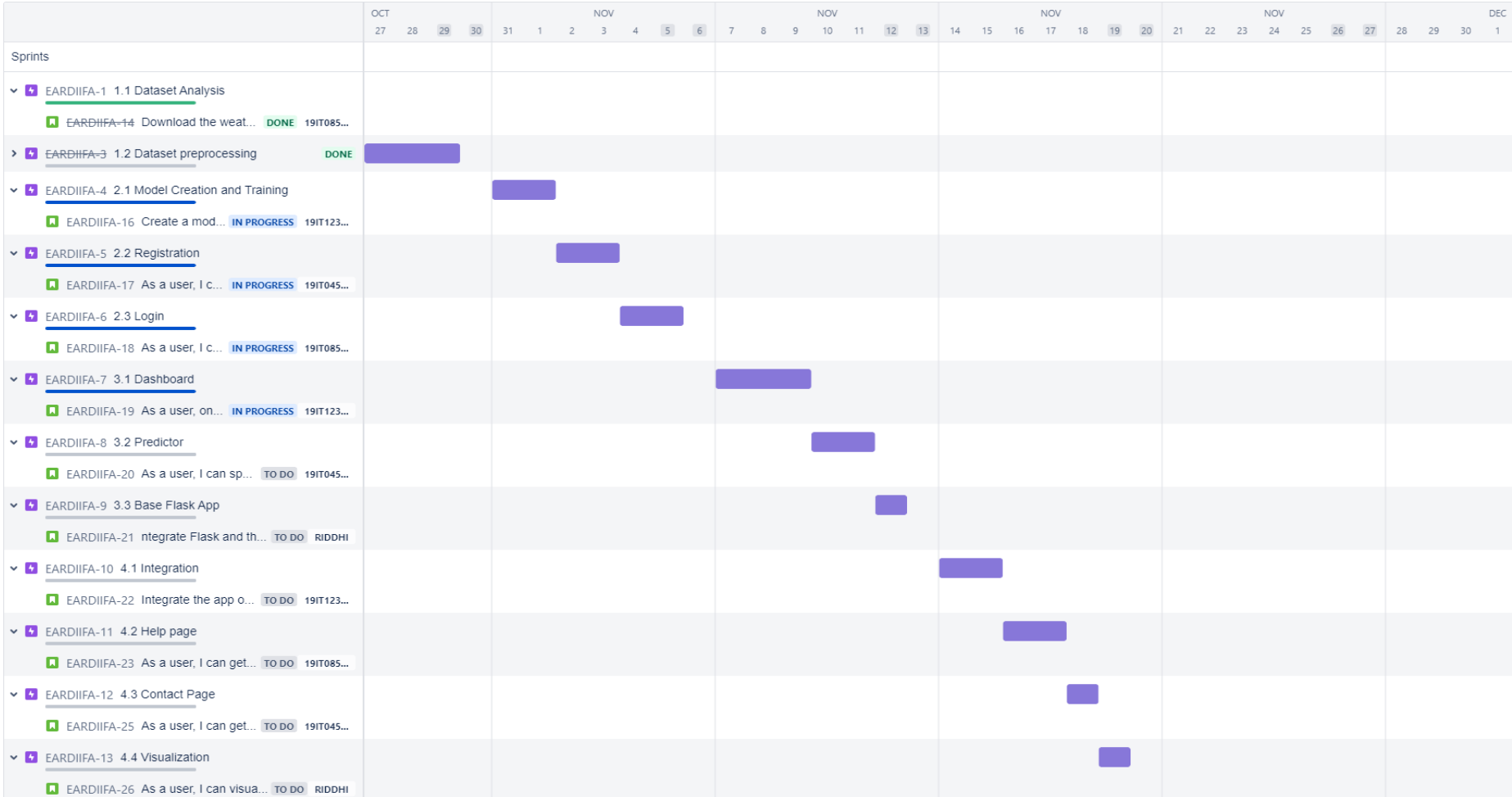
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 4	Integration	USN-9	Integrate the app on IBM cloud	2	High	Jeya Devi K j
	Help page	USN-10	As a user, I can get directions on how to use the predictor to gain valuable insights	1	Medium	Shahithya L
	Contact page	USN-11	As a user, I can get my queries clarified by the admin	1	Medium	Kanishta G
	Visualization	USN-12	As a user, I can visualize the data using various plots	2	Medium	Riddhi S

#### 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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

**\*\*Burndown Chart and Velocity to be updated after the completion of sprints.**

## Visualization of Sprint delivery plan using JIRA software by Atlassian:



Exploratory Analysis of...  
Software project

PLANNING

- Roadmap
- Backlog
- Board

DEVELOPMENT

- Code

Project pages

- Add shortcut
- Project settings

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## All sprints

Epic Sprint

⚡ ☆ ⌚ 10 days remaining Complete sprint ⋮

GROUP BY None Insights

TO DO 2 ISSUES

As a user, I can specify all the values for prediction and get accurate results

3.2 PREDICTOR

EARDIIFA-20

Integrate Flask and the built model

3.3 BASE FLASK APP

EARDIIFA-21

IN PROGRESS 4 ISSUES

Create a model from the training data

2.1 MODEL CREATION AND TRAINI...

EARDIIFA-16

As a user, I can register for the application .

2.2 REGISTRATION

EARDIIFA-17

As a user, I can log into the application by entering email & password

2.3 LOGIN

EARDIIFA-18

As a user, once I log in, I can view the Rainfall Prediction page

3.1 DASHBOARD

EARDIIFA-19

DONE 2 ISSUES ✓

Examine the dataset and perform preprocessing steps

1.2 DATASET PREPROCESSING

EARDIIFA-15

✓

Data Analysis

EARDIIFA-27

✓

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## Backlog

🔍 👤 R 👤 👤 + Epic ▾

📊 Insights

▼ EARDIIFA Sprint 1 2 Nov – 16 Nov (2 issues)

0 0 0 Complete sprint ...

📌 EARDIIFA-15 Examine the dataset and perform preprocessing steps 1.2 DATASET PREPROCESSING

DONE ✓ 👤

📌 EARDIIFA-27 Data Analysis

DONE ✓ 👤

+ Create issue

▼ EARDIIFA Sprint 2 2 Nov – 16 Nov (3 issues)

0 0 0 Complete sprint ...

📌 EARDIIFA-16 Create a model from the training data 2.1 MODEL CREATION AND TRAINI...

IN PROGRESS ▾ 👤

📌 EARDIIFA-17 As a user, I can register for the application . 2.2 REGISTRATION

IN PROGRESS ▾ 👤

📌 EARDIIFA-18 As a user, I can log into the application by entering email & password 2.3 LOGIN

IN PROGRESS ▾ 👤

+ Create issue

▼ EARDIIFA Sprint 3 2 Nov – 16 Nov (3 issues)

0 0 0 Complete sprint ...

📌 EARDIIFA-19 As a user, once I log in, I can view the Rainfall Prediction page 3.1 DASHBOARD

IN PROGRESS ▾ 👤

📌 EARDIIFA-20 As a user, I can specify all the values for prediction and get accurate results 3.2 PREDICTOR

TO DO ▾ 👤

📌 EARDIIFA-21 ntegrate Flask and the built model 3.3 BASE FLASK APP

TO DO ▾ 👤

+ Create issue

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- Add shortcut
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▼ EARDIIFA Sprint 4 Add dates (4 issues)

0 0 0 Start sprint ...

- |             |   |                   |         |  |
|-------------|---|-------------------|---------|--|
| EARDIIFA-22 | Integrate the app on IBM cloud  | 4.1 INTEGRATION   | TO DO ▼ |  |
| EARDIIFA-23 | As a user, I can get directions on how to use the predictor to gain valuable insights | 4.2 HELP PAGE     | TO DO ▼ |  |
| EARDIIFA-25 | As a user, I can get my queries clarified by the admin                                | 4.3 CONTACT PAGE  | TO DO ▼ |  |
| EARDIIFA-26 | As a user, I can visualize the data using various plots                               | 4.4 VISUALIZATION | TO DO ▼ |  |

+ Create issue



▼ Backlog (0 issues)

0 0 0 Create sprint

Your backlog is empty.

+ Create issue