Initial Project Planning Template

Date	19 July 2024
Team ID	SWTID1720277644
Project Name	Rice Classification using CNN
Maximum Marks	4 Marks

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

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Collection and Preprocessing	RCUC-2	Understanding & loading data	Low	Haadi	2024/07/01	2024/07/03
Sprint-1	Data Collection and Preprocessing	RCUC-7	Data cleaning	High	Haadi	2024/07/03	2024/07/03
Sprint-1	Data Collection and Preprocessing	RCUC-8	EDA	Medium	Gaurav	2024/07/04	2024/07/10
Sprint-4	Project Report	RCUC-9	Report	Medium	Palak	2024/07/07	2024/07/19
Sprint-2	Model Development	RCUC-10	Training the model	Medium	Yash	2024/07/10	2024/03/217
Sprint-2	Model Development	RCUC-11	Evaluating the model	Medium	Yash	2024/07/10	2024/03/17

Sprint-2	Model tuning and testing	RCUC-12	Model tuning	High	Gaurav	2024/07/17	2024/07/20
Sprint-2	Model tuning and testing	RCUC-14	Model testing	Medium	Palak	2024/07/20	2024/07/20

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-3	Web integration and Deployment	RCUC-17	Building HTML templates	Low	Palak	2024/03/29	2024/07/17
Sprint-3	Web integration and Deployment	RCUC-18	Local deployment	Medium	Yash	2024/03/29	2024/07/20

RCUC-15 Model Building and Optimization (9 issues) DONE

+ Create issue

Create a baseline model

☑ RCUC-16 ✓ 👤

Use CNN model as a feature extractor

☑ RCUC-17 ✓ 👤

Improving Model adding Dense Layers and hidden units and more

☑ RCUC-18 ✓ 👤

Choosing suitable optimizer and loss function

☑ RCUC-19 ✓ 👤

Train the model

☑ RCUC-20 ✓ 👤

Create a testing loop

☑ RCUC-21 ✓ 👤

Improve the model until desired accuracy and loss function is met

☑ RCUC-22 ✓ 👤

Final testing the model

☑ RCUC-23 ✓ 👤

Save the model

☑ RCUC-24 ✓ 👤

RCUC-5 Image Preprocessing (5 issues) DONE

+ Create issue

Visualizing the raw images

☑ RCUC-9 ✓ 👤

Converting them to numerical format ⋯

☑ RCUC-10 ✓ 👤

Change size of images and link them to different classes

☑ RCUC-12 ✓ 👤

Split dataset into training ,validation and testing data

☑ RCUC-13 ✓ 👤

Final visualization of training,validation and test dataset as required to be feeded to the model

☑ RCUC-14 ✓ 👤