

## Initial Project Planning Template

Date	15 July 2024
Team ID	SWTID1720029586
Project Name	Greenclassify: Deep Learning-Based Approach For Vegetable Image Classification
Maximum Marks	4 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 Start Date	Sprint End Date (Planned)
Sprint-1	Data Collection (VEG-1)	VEG-2	Collection of Data	2	High	Abhijeet Soni	04-07-2024	05-07-2024
		VEG-3	Load the data	1	High	Abhijeet Soni		
Sprint-2	Data Overview and Analysis (VEG-4)	VEG-5	Read the data set	1	Medium	Pooja shree Saravanan	05-07-2024	06-07-2024
		VEG-6	Splitting of data set	2	High	Mohith Niranjn R K		
		VEG-7	Data Visualization	3	Low	Mohith Niranjn R K		
Sprint-3	Pre-processing (VEG-8)	VEG-9	Normalization of training, test data, and validation data	2	Medium	Abhijeet Soni	06-07-2024	07-07-2024
		VEG-10	Resizing images	1	Medium	Abhijeet Soni		






Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-4	Model Building (VEG-11)	VEG-12	CNN-adding layers, flattening, adding fully connected layer, Summarize the model	3	High	Pooja shree Saravanan	07-07-2024	08-07-2024
		VEG-13	VGG16-adding layers, flattening, summarizing the model	3	High	Abhijeet Soni		
		VEG-14	RESNET50- adding layers, flattening, summarizing the model	3	High	Bhavyata Kaur		
		VEG-15	INCEPTION- adding layers, flattening, summarizing the model	3	High	Mohith Niranjn R K		
		VEG-16	XCEPTION- adding layers, flattening, summarizing the model	3	High	Abhijeet Soni		
Sprint-5	Model Training (VEG-17)	VEG-18	CNN-compile the model, fit the model, hyperparameter tuning (if needed)	3	High	Pooja shree Saravanan	08-07-2024	10-07-2024
		VEG-19	VGG16- compile the model, fit the model, hyperparameter tuning (if needed)	3	High	Abhijeet Soni		
		VEG-20	RESNET50- compile the model, fit the model, hyperparameter tuning (if needed)	3	High	Bhavyata Kaur		
		VEG-21	INCEPTION- compile the model, fit the model, hyperparameter tuning (if needed)	3	High	Pooja shree Saravanan		
		VEG-22	XCEPTION- compile the model, fit the model, hyperparameter tuning(if needed)	3	High	Bhavyata Kaur		

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-6	Model Visualization (VEG-23)	VEG-24	Finalize the model	1	Medium	Bhavyata Kaur	10-07-2024	11-07-2024
		VEG-25	Plot train loss, validation loss	1	Low	Bhavyata Kaur		
		VEG-26	Plot train accuracy, validation accuracy	1	Low	Bhavyata Kaur		
		VEG-27	Classification report	1	Low	Bhavyata Kaur		
Sprint-7	Evaluation and testing (VEG-28)	VEG-29	Save the model	2	Medium	Mohith Niranjn R K	11-07-2024	12-07-2024
		VEG-30	Load the model	2	Low	Mohith Niranjn R K		
		VEG-31	Test the model	2	High	Pooja shree Saravanan		
		VEG-32	Evaluate on test data and train data	2	Medium	Mohith Niranjn R K		
Sprint-8	Application Building (VEG-33)	VEG-34	Create HTML pages	3	High	Bhavyata Kaur	12-07-2024	14-07-2024

**Jira Screenshots:**

	JUN	JUL	AUG
<b>Sprints</b>			
▼ ⚡ <u>VEG-1 Data Collection</u> <b>DONE</b>		■	
📌 VEG-2 Collection of Data <b>DONE</b> 👤		■	
📌 VEG-3 Load the data <b>DONE</b> 👤		■	
▼ ⚡ <u>VEG-4 Data Overview and Analysis</u> <b>DONE</b>		■	
📌 VEG-5 Read the data set <b>DONE</b> PS		■	
📌 VEG-6 Splitting of data set <b>DONE</b> 👤		■	
📌 VEG-7 Data Visualization <b>DONE</b> 👤		■	
▼ ⚡ <u>VEG-8 Pre-processing</u> <b>DONE</b>		■	
📌 VEG-9 Normalization of ... <b>DONE</b> 👤		■	
📌 VEG-10 Resizing images <b>DONE</b> 👤		■	
▼ ⚡ <u>VEG-11 Model Building</u> <b>DONE</b>		■	
📌 VEG-12 CNN-adding lay... <b>DONE</b> PS		■	
📌 VEG-13 VGG16-adding l... <b>DONE</b> 👤		■	
📌 VEG-14 RESNET50- addi... <b>DONE</b> BK		■	
📌 VEG-15 INCEPTION- add... <b>DONE</b> 👤		■	
📌 VEG-16 XCEPTION- addi... <b>DONE</b> 👤		■	

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