

## Initial Project Planning Template

Date	2 July 2024
Team ID	SWTID1720093035
Project Name	TechPart Vision
Maximum Marks	4 Marks

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

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Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
1	Data Collection	1.1	Download and create Dataset	2	High	Aditya, Gautham	2-7-24	3-7-24
		1.2	Split into train, test and validation Datasets	2	High	Aditya, Gautham	2-7-24	3-7-24
		1.3	Extracting labels from file directory	1	Low	Aditya, Gautham	2-7-24	3-7-24
2.	Image Augmentation	2.1	Define Augmentation function	2	High	Kowshik, Sriram	4-7-24	5-7-24
		2.2	Handling The Imbalance In The Train_df	2	High	Kowshik, Sriram	4-7-24	5-7-24
3.	Image preprocessing	3.1	Configure ImageDataGenerator Class	3	High	Kowshik, Sriram	6-7-24	7-7-24
		3.2	Apply ImageDataGenerator Functionality To Train, Validation, Test Dataset	2	High	Kowshik, Sriram	6-7-24	7-7-24
4.	Model building	4.1	Creating And Compiling The Model	3	Medium	Kowshik, Sriram	8-7-24	14-7-24
		4.2	Running And Evaluating The Model	3	Medium	Kowshik, Sriram	8-7-24	14-7-24
		4.3	EfficientNetV2B1 Model Initialisation	5	High	Kowshik, Sriram	8-7-24	14-7-24
		4.4	Adding Dense Layers And Compiling The Model	5	High	Kowshik, Sriram	8-7-24	14-7-24
		4.5	Create callbacks	3	Medium	Kowshik, Sriram	8-7-24	14-7-24
		4.6	Train Model	5	High	Kowshik, Sriram	8-7-24	14-7-24

		4.7	Model optimization and tuning	5	High	Kowshik, Sriram	8-7-24	14-7-24
5.	Evaluating a model	5.1	Visualizing Performance	2	Medium	Aditya, Gautham	15-7-24	16-7-24
		5.2	Confusion matrix of test data	1	Low	Aditya, Gautham	15-7-24	16-7-24
		5.3	Manual Testing	5	High	Aditya, Gautham, Kowshik, Sriram	15-7-24	16-7-24
		5.4	Save model	2	High	Aditya, Gautham, Sriram, Kowshik	15-7-24	16-7-24
6.	Application Building	6.1	Building HTML pages	5	High	Aditya, Gautham	17-7-24	20-7-24
		6.2	Build flask framework	5	High	Aditya, Gautham	17-7-24	20-7-24
		6.3	Final Refactoring	2	Medium	Aditya, Gautham, Kowshik, Sriram	17-7-24	20-7-24
		6.4	Run Application	3	High	Aditya, Gautham, Kowshik, Sriram	17-7-24	20-7-24