

Initial Project Planning Template

Date	12 July 2024
Team ID	SWTID1719935963
Project Name	Automated Weather Classification using Transfer Learning
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	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data collection	USN-1	Gathering the necessary data required for training and testing your machine learning model. This involves identifying and sourcing relevant datasets or collecting your own data if necessary.	1	Medium	Vaibhav K	June 29	June 30
Sprint-1	Data preprocessing	USN-2	Preparing the collected data for model training by cleaning, transforming, and organizing it. This step ensures that the data is in a suitable format for the machine learning algorithms.	2	High	Policherla Venkata Hari Ayyappa pranay	June 30	July 1
Sprint-2	Model building	USN-3	Developing the initial machine learning model using suitable algorithms and architectures. This	2	High	Roopesh Sai Bestha	July 1	July 3

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
			involves setting up the model, defining layers, and compiling it.					
Sprint-1	Model tuning	USN-4	Optimizing the model's performance through hyperparameter tuning, regularization, and validation. This step involves experimenting with different configurations to improve accuracy and efficiency.	2	Medium	Sai Sri Lasya Maturi	July 3	July 5
Sprint-1	Application building	USN-5	Developing the application that will use the trained model for practical use. This involves integrating the model into an application and ensuring it can process real-time data.	1	High	Roopesh Sai Bestha	July 5	July 8