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

Date	25 June 2025
Team ID	LTVIP2025TMID37802
Project Name	pattern sense: classifying fabric patterns using deep learning
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection & Preprocessing	USN-1	As a developer, I can collect a diverse fabric image dataset from multiple sources	2	High	Umesh benarjinaidu
Sprint-1	Data Collection & Preprocessing	USN-2	As a developer, I can preprocess images (resize, normalize, augment)	2	High	Vennela
Sprint-1	Data Labelling	USN-3	As a developer, I can label images into correct fabric pattern categories	2	High	sowmya
Sprint-2	Model Design & Implementation	USN-4	As a developer, I can design and implement a CNN-based deep learning model for pattern classification	2	High	Umesh benerjinaidu
Sprint-2	Model Training	USN-5	As a developer, I can train the model using labeled data to achieve high accuracy	2	High	Vennela
Sprint-2	Model Evaluation	USN-6	As a developer, I can evaluate the model using metrics (accuracy, precision, recall, F1-score)	2	Medium	sowmya

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Web Interface Integration	USN-7	As a user, I can upload a fabric image and receive predicted pattern output	2	High	Umesh benerjinaidu
Sprint-3	Visualization & Reporting	USN-8	As a user, I can view a detailed report of prediction confidence and pattern distribution	2	Medium	
Sprint-3	Model Fine-tuning	USN-9	As a developer, I can fine-tune the model based on feedback and improve performance	3	Medium	Vennela
Sprint-4	Deployment & Testing	USN-10	As a developer, I can deploy the model on a cloud platform and perform system testing	2	High	
Sprint-4	Documentation & User Guide	USN-11	As a developer, I can create comprehensive documentation and a user guide	2	Medium	sowmya

Project Tracker, Velocity & Burndown Chart:

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	6	2 Days	20 June 2025	21 June 2025	6	21 June 2025
Sprint-2	6	1 Day	22 June 2025	22 June 2025	6	22 June 2025
Sprint-3	7	2 Days	23 June 2025	24 June 2025	7	24 June 2025
Sprint-4	4	1 Day	25 June 2025	25 June 2025	4	25 June 2025