Project Planning Phase

Date	15 JUNE 2025
Team ID	LTVIP2025TMID45904
Project Name	transfer learning-based classification of poultry diseases for enhanced health management
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule & Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Preprocessing	USN-1	As a data engineer, I can load and preprocess poultry disease images from the dataset.	3	High	Chillakuru Archana Sai Bhavya Sree Thati Reddy Hemanth Reddy
Sprint-1	Model Development	USN-2	As a developer, I can build and train a CNN using transfer learning (VGG/ResNet) for classification.	5	High	Chillakuru Archana Sai Bhavya Sree Thati Reddy Hemanth Reddy
Sprint-1	Model Saving	USN-3	As a developer, I can save the trained model in .h5 and .keras formats for later inference.	1	High	Chillakuru Archana Sai Bhavya Sree Thati Reddy Hemanth Reddy
Sprint-2	Frontend Interface (HTML)	USN-4	As a user, I can interact with the prediction system via a web UI.	3	Medium	Chillakuru Archana Sai Bhavya Sree

						Thati Reddy Hemanth Reddy
Sprint-2	Backend Integration (Flask)	USN-5	As a user, I can upload an image and get disease predictions via Flask backend.	4	High	Chillakuru Archana Sai Bhavya Sree Thati Reddy Hemanth Reddy
Sprint-2	Model Integration	USN-6	As a developer, I can load the saved model and generate predictions from user-uploaded images.	2	High	Chillakuru Archana Sai Bhavya Sree Thati Reddy Hemanth Reddy
Sprint-3	Deployment & Testing	USN-7	As a team, we can deploy and test the app locally and on cloud (optional) with user feedback.	4	Medium	Chillakuru Archana Sai Bhavya Sree Thati Reddy Hemanth Reddy

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📈 **Project Tracker, Velocity & Burndown Chart (4 Marks)**

🗓️ **Sprint Schedule**

Sprint	Total Story Points	Duration	Start Date	End Date (Planned)	Story Points Completed	Sprint Release Date
Sprint-1	9	4 days	June 15	June 18	9	June 18
Sprint-2	9	5 days	June 19	June 23	9	June 23
Sprint-3	4	5 days	June 24	June 28	4	June 28

⚙️ **Velocity**

- **Average Velocity** = Total Story Points Completed / Number of Sprints

- = (9 + 9 + 4) / 3 = **7.33 story points/sprint**