PHASE-4: PROJECT PLANNING (AGILE METHODOLOGIES)

OBJECTIVE

- Break down the project into smaller, manageable tasks using Agile methodologies.
- Ensure efficient collaboration among team members through clear planning and timelines.
- Improve productivity by following iterative development cycles (sprints).

SPRINT PLANNING

- Divide the total project duration into sprints (1-2 week iterations).
- List major tasks to be accomplished in each sprint (e.g., data collection, model training, UI design).
- Ensure each sprint has a clearly defined goal and deliverables.
- Example: Sprint 1 - Collect and label image dataset, Sprint 2 - Train and test ML model.

TASK ALLOCATION

• M. Jahnavi: Responsible for image preprocessing and implementing transfer learning for classification.

• B. Sravani: Responsible for collecting and preparing the dataset, and training the machine learning model.

• Y. Venkata Lakshmi Thanmai: Responsible for user interface design and deployment setup.

• B. Silpa Reddy (Team Leader): Responsible for overall coordination, model integration, and final presentation.

- Assign roles to each team member based on their strengths (e.g., ML developer, data engineer, UI designer).
- Ensure equal and fair distribution of work to maintain team balance.
- Clearly define individual responsibilities and expectations for each sprint.
- Encourage daily or weekly check-ins to track progress and provide support.

🗓 TIMELINE & MILESTONES

- Establish deadlines for major milestones such as:
  - Dataset preparation
  - Model completion
  - UI integration
  - Final testing and demo
- Use project tracking tools like Trello, Notion, or Google Sheets to monitor status.
- Milestones help the team stay on track and ensure timely delivery of all project phases.
- At the end of each sprint, conduct a review meeting to evaluate progress and plan the next sprint.
- • I, B. Silpa Reddy (Team Leader), coordinated the project, managed the model integration, and led final execution.
- • M. Jahnavi worked on image preprocessing and applied transfer learning techniques for classification.
- • B. Sravani handled dataset collection, cleaning, and trained the classification model.
- • Y. Venkata Lakshmi Thanmai designed the user interface and deployed the working system.