

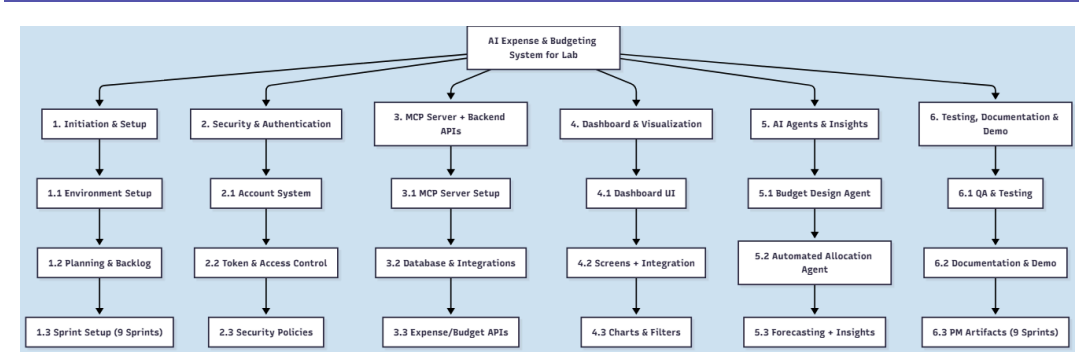
## Project Vision

To build a lab-focused, AI-enabled expense and budgeting platform that replaces manual tracking with accurate automation—giving lab staff real-time visibility of spending, smarter budget control, and decision support through data-driven insights.

## Project Goal

Deliver an MVP in 9 one-week sprints that provides secure user access, automated lab expense tracking, a budgeting dashboard with charts and reports, AI-based expense categorization, and basic budget forecasting—validated through sprint reviews, retrospectives, and Agile metrics (velocity and burndown).

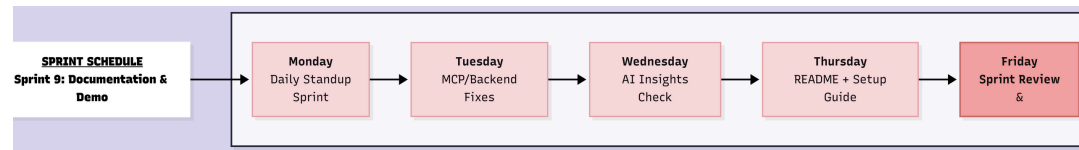
## Work Breakdown Structure Diagram




## User Stories with Story Points

Kickoff				
Project Name: Griffins: AI Budgeting and Expense Tracking				
Project Manager: Ahmad Sajjad				
User Story ID	As a...	I want...	So that...	Story Points
1.1	project manager	a prioritized backlog (MoSCoW) & DUD + sprint workflow on Trello	we deliver MVP features first	5
1.2	team member		work is trackable and consistent	3
2.1	lab user	secure login (JWT)	only authorized users access data	5
2.2	lab staff	expense CRUD	lab spending is recorded accurately	8
2.3	lab manager	budget allocation + utilization	budget overruns are prevented early	8
2.4	lab user	dashboard charts + filters	spending insights are easy to view	5
3.1	system	MCP server integration	agents/tools can connect reliably	5
3.2	lab user	AI expense categorization	manual work is reduced	8
3.3	QA/team	testing + bug fixing	system is stable for final demo	5

## Sprint Schedule



## Talent & Skills SpreadSheet



kickoff.pmi.org

Project Name: AI Budgeting and Expense Tracking

Project Manager: Ahmad Sajjad

Key

1

No Current Competency

2

Partial Competency

3

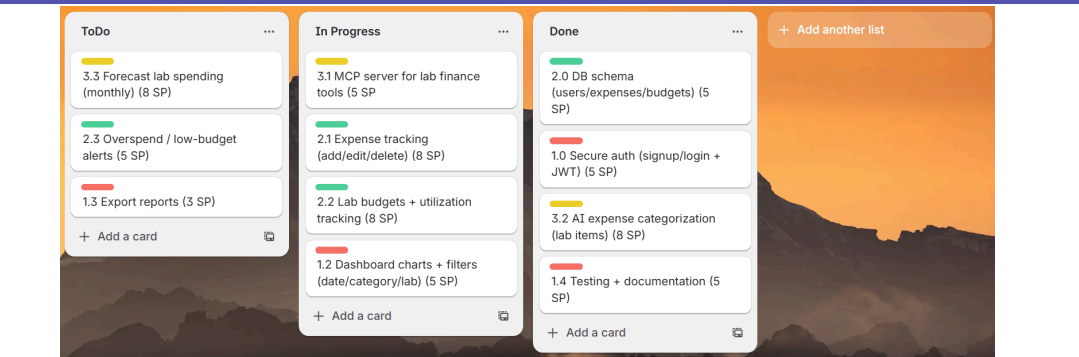
Good Competency

4

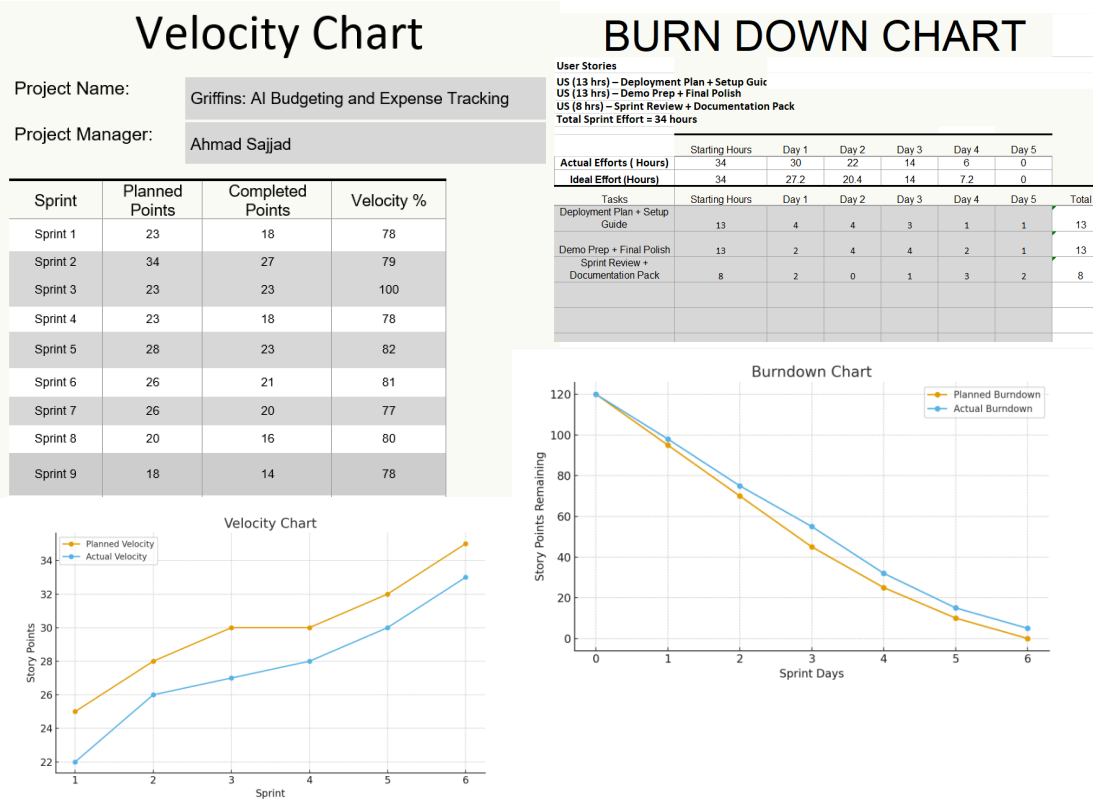
Advanced Competency

Skill Needed	Team Member Name	Qualifications/Expertise	Years of Experience	Proficiency
Project Planning & Scrum	Ahmad Sajjad	Sprint planning, task breakdown, coordination, reporting	1	3
	Ahmad Sajjad	Architecture diagrams, class diagrams, module decomposition	1	4
Backend (Node/Express)	Ahmad Hassan	REST APIs, Express routing, middleware, controllers, Mcp server	1	3
Database Design and Integration	Ahmad Hassan	Schema Design, relations, CRUD, DB connectivity, queries	1	4
Authentication and security	Atif Awan	JWT auth, login/signup flows, validation, security policies	1	3
Frontend (Dashboard and UI)	Huzafa Arshad	UI screens, navigation, forms, dashboard layout	1	4
Data Visualization	Huzafa Arshad	Chart integration, filtering, reporting screens	1	3
AI/ML Integration	Ahmad Sajjad	Dataset prep, model integration approach, evaluation basics	1	4
Testing & QA	Ahmad Hassan	Unit testing, API testing, bug fixing, verification checklist	1	3
Documentation & Demo Prep	Atif Awan	Documentation writing, demo script, presentation support	1	4

## KanBan Board



## Velocity Chart and Burndown Chart



## Sprint Review

## Sprint Review

Time	Duration	Activity	Description	Presenter
9:00	5 min	Introduction	Sprint 9 Review – Release & Demo	Ahmad Sajjad
9:05	5 min	Sprint Goals	Deployment plan, demo prep, final documentation, final review	Ahmad Sajjad
9:10	5 min	Status Overview	MVP ready; documentation packaged; deployment steps finalized	Atif Awan
9:15	5 min	Live Demo	Full MVP demo: login → add expense → dashboard → AI categorize	Huzafa Arshad
9:20	5 min	Metrics	Final velocity summary; scope delivered vs planned	Ahmad Hassan
9:25	5 min	Blockers	Remaining low-priority enhancements moved to backlog	Ahmad Hassan
9:30	5 min	Q&A/Feedback	Collect final feedback and sign-off	Ahmad Sajjad

## Sprint Retrospective

- What worked well this sprint?
- Demo was prepared with clear flow and stable build.
  - Deployment/setup guide made the project easy to run.
  - Documentation packaging improved presentation quality.
  - Excellent final "Push"; the team synchronized perfectly for the finish.
- What didn't work so well this sprint?
- Documentation started late and was rushed.
  - Final polish competed with demo preparation time.
  - Burnout risk: Neglecting breaks led to lower quality in the final hours.
- What will we do to improve next sprint?
- Maintain documentation continuously each sprint.
  - Create release checklist earlier (QA + docs + demo).
  - Timebox "polish" and protect demo stability.
  - Schedule mandatory "Down-time" to ensure sustainable team energy.

## Conclusion

Griffins: AI Budgeting and Expense Tracking successfully delivered a robust, AI-powered system for laboratories that streamlines expense logging, budget allocation, and utilization monitoring. The solution provides AI-assisted categorization and insights with dashboard reporting, enabling clearer financial visibility and better spending control with seamless integration.