

Project Planning

Agile Sprint Planning Policy Logic

Definition of Terms:

- **Epic:** A major feature or module in EduTutor AI (e.g., Google Classroom Integration)
- **Story:** A small, actionable, and testable task within an Epic
- **Story Point:** Effort estimate for each story (using Fibonacci series: 1, 2, 3, 5)
- **Sprint:** Fixed 5-day development period
- **Velocity:** Average story points your team completes in a sprint

Story Point Scale:

Story Point	Effort Description
1	Very Easy Task
2	Easy Task
3	Moderate Task
5	Difficult Task

Sprint Plan:

Sprint 1 (5 Days)

Epic: User Authentication & Google Classroom Integration

Story	Story Point
Set up Google OAuth2 login	3
Integrate Google Classroom API	5
Store course data into Pinecone	2
Build Student/Educator role selection UI	2

Total Story Points: 12

Sprint 2 (5 Days)

Epic: AI Quiz Generation & Diagnostic Testing

Story	Story Point
Integrate Huggingface Granite LLM API	5
Build dynamic quiz generation logic	3
Implement diagnostic test workflow	5
Create quiz attempt + result templates	2
Connect Pinecone vector DB for results	2

Total Story Points: 17

Sprint 3 (5 Days)

Epic: Educator Dashboard & Analytics

Story	Story Point
Build Educator dashboard UI	2
Fetch analytics from Pinecone	3
Visualize quiz history & topic trends	3
Integrate feedback summary view	2

Total Story Points: 10

Velocity Calculation

Sprint	Story Points Completed
Sprint 1	12
Sprint 2	17
Sprint 3	10

Total Story Points = 12 + 17 + 10 = 39

Number of Sprints = 3

Velocity = 39 / 3 = 13 Story Points per Sprint