# Agile Project Planning: Edu Tutor AI

## Key Concepts Recap

- Sprint: A fixed time period (e.g., 5 days) in which the team completes specific work.  
- Epic: A large piece of work that requires multiple Sprints.  
- Story: A small unit of work part of an Epic.  
- Story Point: Effort estimate (Fibonacci scale: 1, 2, 3, 5, 8).  
 • Very Easy task: 1  
 • Easy task: 2  
 • Moderate task: 3  
 • Difficult task: 5

## Sprint 1: (5 Days)

### Epic 1: Authentication & Basic Setup

|  |  |
| --- | --- |
| Story | Story Points |
| Setup Firebase Authentication | 3 (Moderate) |
| Configure Realtime Database | 2 (Easy) |
| Create User Signup/Login Pages | 3 (Moderate) |

### Epic 2: AI Quiz Generator Core

|  |  |
| --- | --- |
| Story | Story Points |
| FastAPI Endpoint for Quiz Generation | 5 (Difficult) |
| Model Integration (Granite Model) | 3 (Moderate) |

Sprint 1 Total Story Points: 16

## Sprint 2: (5 Days)

### Epic 3: AI Flashcards & Summarizer

|  |  |
| --- | --- |
| Story | Story Points |
| AI Flashcard Generation Endpoint | 3 (Moderate) |
| AI Summarizer Endpoint | 3 (Moderate) |
| Frontend Integration for Flashcards | 2 (Easy) |
| Frontend Integration for Summarizer | 2 (Easy) |

### Epic 4: Deployment & Polish

|  |  |
| --- | --- |
| Story | Story Points |
| Flask/Streamlit Frontend Polish | 3 (Moderate) |
| Deployment to Production Environment | 3 (Moderate) |

Sprint 2 Total Story Points: 16

## Sprint Summary

|  |  |
| --- | --- |
| Sprint | Total Story Points |
| Sprint 1 | 16 |
| Sprint 2 | 16 |

## Velocity Calculation

Velocity = Total Story Points / Number of Sprints  
Total Story Points = 16 + 16 = 32  
Number of Sprints = 2  
Velocity = 32 / 2 = 16  
  
Your team’s velocity is 16 Story Points per Sprint.