### **Agile Overview: Sprint-Based Breakdown for Smart SDLC**

* **Sprint:** A fixed period during which the team works to complete specific tasks.
* **Epic:** A large development objective (like a major feature or phase), broken into smaller tasks across sprints.
* **Story:** A small, manageable task that contributes to an Epic.
* **Story Point:** A numerical estimate (usually in Fibonacci series) representing the effort required to complete a story.

**Fibonacci-based Effort Scale:**  
1 – Very Easy  
2 – Easy  
3 – Moderate  
5 – Difficult

### **Sprint 1: (5 Days)**

**Epic: SDLC Guidance Core Setup**

* Build SDLC Phase Templates – 2
* Integrate FastAPI Backend – 3

**Epic: AI Model Integration**

* Connect to IBM Granite-3.3-2b-instruct – 5
* Define Prompt Templates – 2

**Sprint 1 Total Story Points = 12**

### **Sprint 2: (5 Days)**

**Epic: Frontend Interface**

* UI for SDLC Phase Navigation – 3
* Input/Output Components – 2

**Epic: Testing & Deployment**

* Local Testing & API Debugging – 3
* Deployment to Cloud (Render/Azure) – 5
* Basic User Guide or Tutorial Page – 2

**Sprint 2 Total Story Points = 15**

### **Velocity Calculation**

* **Total Story Points:** 12 (Sprint 1) + 15 (Sprint 2) = **27**
* **Number of Sprints:** 2
* **Velocity:** 27 ÷ 2 = **13.5 story points per sprint**

🔹 **Your team's velocity is 13.5 Story Points per Sprint.**  
This metric helps you estimate how much work your team can handle in future sprints while developing and scaling Smart SDLC.

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