

## Assignment-1

### ***Agile Project Planning***

**Project Plan:** Task Scheduling Enhancement

**Feature Name:** Smart Task Prioritization

#### **Project Description:**

Enhance the task scheduling functionality of the software by implementing a smart task prioritization feature based on user preferences and deadlines.

**Agile Methodology:** Scrum

#### **Backlog Items:**

1. **User Story:** As a user, I want the software to automatically prioritize tasks based on their urgency and importance.
2. **Story Points:** 8
3. **User Story:** As a user, I want the option to manually adjust task priorities if needed.  
**Story Points:** 5
4. **User Story:** As a user, I want to set deadlines for tasks and have them reflected in the prioritization algorithm.  
**Story Points:** 5
5. **User Story:** As a user, I want the software to provide recommendations for task prioritization based on historical data and patterns.  
**Story Points:** 8
6. **User Story:** As a user, I want to visualize the prioritized task list in an easy-to-understand format.  
**Story Points:** 3
7. **User Story:** As a user, I want to receive notifications/alerts for approaching task deadlines.  
**Story Points:** 3

#### **Prioritized User Stories:**

1. Automated Task Prioritization (8 SP)
2. Manual Task Priority Adjustment (5 SP)
3. Deadline-based Prioritization (5 SP)

4. Recommendations for Task Prioritization (8 SP)
5. Visual Representation of Prioritized Task List (3 SP)
6. Task Deadline Notifications (3 SP)

### **Sprint Planning:**

**Sprint Duration:** 2 weeks

**Sprint Goal:** Implement core smart task prioritization functionality and provide options for manual adjustments.

### **Selected User Stories for Sprint 1:**

1. Automated Task Prioritization
2. Manual Task Priority Adjustment
3. Deadline-based Prioritization

### **Execution:**

**Daily Stand-up Meetings:** Held at 10:00 AM to track progress and discuss any impediments.

**Development Environment:** AWS Cloud Platform

### **Testing Approach:**

Continuous integration and user acceptance testing to ensure functionality meets user expectations.

### **Review and Retrospective:**

**Sprint Review:** Scheduled for May 15th to demo completed functionality to stakeholders and gather feedback.

**Sprint Retrospective:** Following the sprint review to reflect on the sprint, identify what went well and what could be improved, and plan adjustments for the next sprint.