

## **Task 2: Plan for Future Agile/Scrum Projects**

### **Areas for Improvement:**

1. Defect Density: Current defect densities range from 0.05 to 0.083 defects per story point; an elevated rate in Sprint 2 indicates the need for enhanced quality controls.
2. Cycle Time: Cycle times vary between 2.5 and 4 days, with a higher average in Sprint 2, suggesting process delays or inefficient handoffs.
3. Team Feedback and Collaboration: Qualitative insights reveal that while sprint goals are generally clear and teamwork strong, there is consistent feedback regarding rushed testing phases, the need for better collaboration tools, and more detailed sprint planning.

### **Actionable Recommendations:**

1. Introduce comprehensive testing protocols early in each sprint to catch defects sooner.
2. Evaluate and adopt advanced collaboration tools (e.g., integrated task trackers and communication platforms) that can support remote and distributed teams.
3. Implement short, frequent retrospectives to identify process bottlenecks and address them quickly.

### **Success Metrics:**

- Defect density below 0.05 defects per story point.
- Cycle time reduced to 2.5 days
- Team satisfaction score above 4/5