**Batch 2: Group 1**

**Assignment 1**

**Aim:** Students should form and operate as Scrum teams to build a real open-source software product.

**Objectives:**

1. Establish and organize Scrum teams proficient in Agile practices to develop an open-source software product.
2. Implement iterative development cycles to deliver incremental value and adapt to changing requirements.
3. Foster a collaborative environment where communication and feedback drive continuous improvement and innovation.

**Theory:**

**Agile Methodology:**

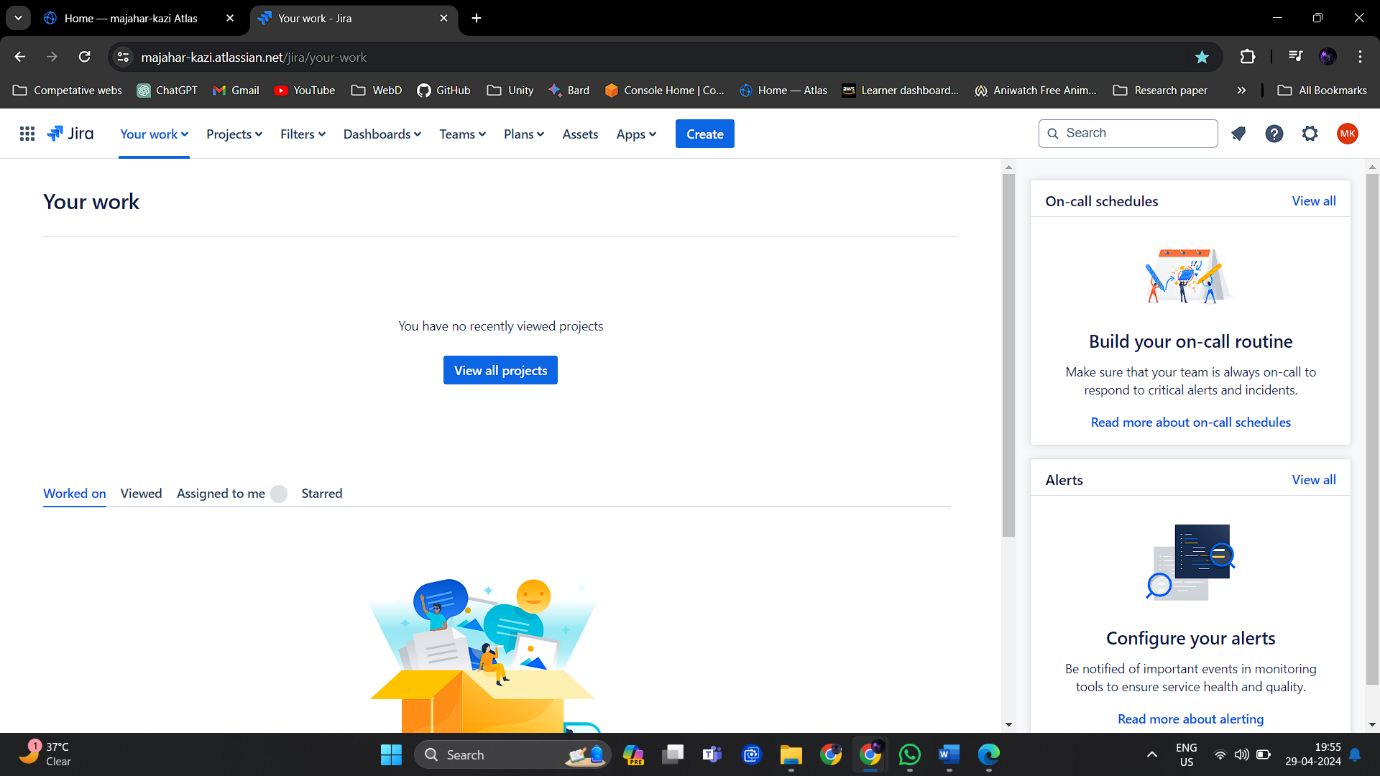
Agile methodology advocates for adaptive planning, iterative development, and rapid feedback cycles to address the unpredictability of software development. It prioritizes individuals and interactions over processes and tools, focusing on delivering working software frequently. By embracing Agile principles, teams can respond to change more effectively, enhance customer satisfaction, and deliver higher-quality products.

**Scrum Framework:**

Scrum is a lightweight Agile framework that structures software development around small, self-organizing teams. It emphasizes transparency, inspection, and adaptation through regular ceremonies such as Sprint Planning, Daily Standups, Sprint Reviews, and Retrospectives. Scrum enables teams to break down complex tasks into manageable increments, providing visibility into progress and fostering collaboration among team members. Through iterative development cycles called Sprints, Scrum teams deliver valuable software iteratively, ensuring continuous improvement and customer satisfaction.

**Implementation:**

1. Create teams mutually within class.
2. Log in/sign in into altassian jira software.



1. From projects select jira software and select scrum.

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1. Select use template.

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1. Select team managed project.

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1. Give a team name, it will also create a key which you can manually modify.

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1. Add members by adding their atlassian registered e-mails.

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1. You are ready to start your project as your scrum team is ready.

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**Conclusion:**

In conclusion, implementing Agile methodology, particularly utilizing the Scrum framework, offers numerous benefits for open-source software development. By forming Scrum teams, embracing iterative practices, and fostering a collaborative culture, organizations can adapt to change more effectively, deliver value incrementally, and ultimately achieve greater success in their software development endeavors. Through continuous reflection and improvement, Agile teams can enhance their productivity, quality, and responsiveness, thereby maximizing the value they deliver to both users and stakeholders.