Learning Guide Unit 4

Overview

Unit 4: Software Development Methodologies

Topics:

- Foundation of Software Development Methodologies
- Comparative Analysis of Agile and Waterfall Approaches
- Core Principles of the Scrum Framework
- Version Control with Git and GitHub

Learning Outcomes:

By the end of this unit, you will be able to:

1. Describe the foundational principles of software development methodologies.
2. Compare Agile and Waterfall approaches in terms of process and adaptability.
3. Discuss the key elements of Scrum and the role of Git and GitHub in modern software development.