

Fundamentals of the Software Development

Student-ready learning path and practical course outline

A practical, student-friendly outline covering introduction to SDLC, phases of the SDLC, sDLC Methodologies, role of QA in SDLC, and best Practices for Effect...

MODULES

5

LESSONS

21

FORMAT

Self-paced

Module Breakdown

<p>MODULE 1</p> <p>Introduction to SDLC</p> <ul style="list-style-type: none">1.1 - Definition and Purpose of SDLC1.2 - Overview of the SDLC Process	<p>MODULE 2</p> <p>Phases of the SDLC</p> <ul style="list-style-type: none">2.1 - Requirement Gathering and Analysis2.2 - Planning Phase2.3 - Design Phase2.4 - Development Phase2.5 - Testing Phase2.6 - Deployment Phase2.7 - Maintenance Phase
<p>MODULE 3</p> <p>SDLC Methodologies</p> <ul style="list-style-type: none">3.1 - Waterfall Methodology3.2 - Agile Methodology3.3 - Lean Methodology3.4 DevOps Methodology3.5 - DevOps vs. Agile3.6 - Which Methodology To Use	<p>MODULE 4</p> <p>Role of QA in SDLC</p> <ul style="list-style-type: none">4.1 - Importance of QA in the Software Development Process4.2 - QA Methodologies and Tools

Module Breakdown (continued)

MODULE 5

Best Practices for Effective SDLC Management

- 5.1 - Project Management and Communications
- 5.2 - Risk Management In the SDLC
- 5.3 - Continuous Improvement and Feedback Loops
- 5.4 - Course Closeout