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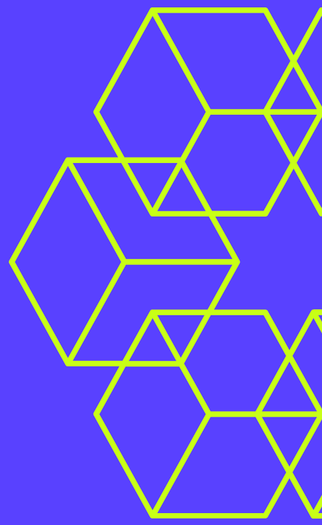
SDLC Course Contents



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CHAPTER 1 : INTRODUCTION TO SDLC

- Definition of SDLC
- Phases of the SDLC
- Benefits of SDLC
- Challenges of SDLC

CHAPTER 2 : PLANNING PHASE

- Project initiation
- Requirements gathering and analysis
- Feasibility study
- Project scope
- Project planning

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CHAPTER 3 : DESIGN PHASE

- System design
- Component design
- Database design
- Interface design
- Security design

CHAPTER 4 : DEVELOPMENT PHASE

- Coding
- Code testing
- Integration testing
- Debugging
- Code optimization

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CHAPTER 5 : TESTING PHASE

- Types of testing
- Test planning
- Test execution
- Test reporting

CHAPTER 6 : DEPLOYMENT AND MAINTENANCE PHASE

- Deployment activities
- Post-deployment activities
- Maintenance activities
- Monitoring and evaluation