

**UNIT I****Chapter 1 : Introduction to Software Engineering 1-1 to 1-10**

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Software Development Life Cycle, Requirements
Analysis, Software Design, Coding, Testing,
Maintenance etc.

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Software Measurement : Size-Oriented Metrics, Function-Oriented Metrics, Extended Function Point Metrics
Software Cost Estimation : Software Productivity, Estimation Techniques, Algorithmic Cost Modeling, Project Duration and Staffing

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Service Oriented Software Engineering : Services as reusable components, Service Engineering, Software Development with Services.
Software reuse : The reuse landscape, Application frameworks, Software Product lines, COTS product reuse.
Distributed software engineering : Distributed systems issues, Client–server computing, Architectural patterns for distributed systems, Software as a service.

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