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| Software Engineering | |
| **PART: 01** | **Software Engineering** |
|  | [Introduction, Software Product, Process Activities and Ethics](https://www.youtube.com/watch?v=8jH07r6135o&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=1&pp=iAQB) |
| 01 | [Software Process, Activities, Rational Unified Process](https://www.youtube.com/watch?v=BBMEOagnBCU&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=2&pp=iAQB) |
| 02 | [Agile Software Development and Extreme Programming](https://www.youtube.com/watch?v=KogKKAgN5Ps&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=3&pp=iAQB) |
| 03 | [Requirements Engineering, Specification, Validation and Management](https://www.youtube.com/watch?v=5cAxXUfb-KY&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=4&pp=iAQB) |
| 04 | [System Modeling – Context, Interaction, Structural and Behavioral](https://www.youtube.com/watch?v=ULJP2sA-dV4&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=5&pp=iAQB) |
| 05 | [Architectural Design Decisions, Views, Patterns and Applications](https://www.youtube.com/watch?v=N9YJ5PUWHLE&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=6&pp=iAQB) |
| 06 | [Design and Implementation, Design Pattern and Open Source Coding](https://www.youtube.com/watch?v=KANuMlt03ug&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=7&pp=iAQB) |
|  | [Test-Driven Development and Release, User and Software Testing](https://www.youtube.com/watch?v=qD8RnroTGgQ&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=8&pp=iAQB) |
|  | [Software Evolution and Maintenance, Legacy System Management](https://www.youtube.com/watch?v=ahr9l4TEIk4&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=9&pp=iAQB) |
|  | [Sociotechnical System, Complex System and System Engineering](https://www.youtube.com/watch?v=FkBs_nUClTQ&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=10&pp=iAQB) |
|  | [Security and Dependability, Safety, Availability and Reliability](https://www.youtube.com/watch?v=naMaQgiZYBI&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=11&pp=iAQB) |
|  | [Dependability, Safety, Security and Reliability Specification](https://www.youtube.com/watch?v=jHOxpcINJZc&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=12&pp=iAQB) |
|  | [Dependability Engineering and Programming Redundancy and Diversity](https://www.youtube.com/watch?v=9AQi3R12nyk&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=13&pp=iAQB) |
|  | [Security Engineering, Management, Risk Assessment and Design](https://www.youtube.com/watch?v=eS1U8Qrgcg4&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=14&pp=iAQB) |
|  | [Solid Principles in C# - Interview Question and Design Pattern in .NET – Coding Example](https://www.youtube.com/watch?v=034zM9MQdkU&list=PL_pbwdIyffslgxMVyXhnHiSn_EWTvx1G-&index=15&pp=iAQB) |
| **PART: 01** | **Software Engineering (SE/SEPM)** |
|  | [Introduction to Software Engineering | Nature of Software](https://www.youtube.com/watch?v=IHx9ImEMuzQ&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=1&pp=iAQB) |
|  | [Generic Process Model | Process Framework Activities with Examples](https://www.youtube.com/watch?v=NDZ0r-__rS4&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=2&pp=iAQB) |
|  | [SDLC with Real Life Example](https://www.youtube.com/watch?v=v5K9yzHCZx4&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=3&pp=iAQB) |
|  | [Waterfall Model Complete Explanation](https://www.youtube.com/watch?v=0q9jBPhI-fA&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=4&pp=iAQB) |
|  | [Iterative Development Model Complete Explanation](https://www.youtube.com/watch?v=dEgU7zw7dJ0&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=5&pp=iAQB) |
|  | [Incremental Process Model Complete Explanation with Example](https://www.youtube.com/watch?v=M4ugSEs5sVo&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=6&pp=iAQB) |
|  | [Evolutionary Process Model Complete Explanation](https://www.youtube.com/watch?v=b_6h9hkBS4Q&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=7&pp=iAQB) |
|  | [Prototyping Model Complete Explanation with Example](https://www.youtube.com/watch?v=dpiClb7S9Jc&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=8&pp=iAQB) |
|  | [Spiral Model Complete Explanation with Example](https://www.youtube.com/watch?v=TLy72EoL-qA&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=9&pp=iAQB) |
|  | [Concurrent Model Complete Explanation](https://www.youtube.com/watch?v=YE8_jOE8FpQ&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=10&pp=iAQB) |
|  | [Agile Model Complete Explanation with Example](https://www.youtube.com/watch?v=xh4EGRKH4rk&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=11&pp=iAQB) |
|  | [All SDLC Models Revision](https://www.youtube.com/watch?v=ENa7ixeoqU0&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=12&pp=iAQB) |
|  | [Functional vs Non-Functional Requirements with Examples | Requirement Engineering](https://www.youtube.com/watch?v=E_v5hhetIrQ&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=13&pp=iAQB) |
|  | [Requirement Engineering | Establishing Ground Work | Users vs System Requirement](https://www.youtube.com/watch?v=lGcwyuhjgMI&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=14&pp=iAQB) |
|  | [Requirement Engineering Tasks](https://www.youtube.com/watch?v=VmGqtPui6Sc&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=15&pp=iAQB) |
|  | [Requirement Engineering Process | Elicitation| Specification | Validation | Management](https://www.youtube.com/watch?v=CN-qsm1f_aY&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=16&pp=iAQB) |
|  | [Requirement Engineering Specification (SRS) | Complete Explanation with Example](https://www.youtube.com/watch?v=klMyKL6luS8&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=17&pp=iAQB) |
|  | [KANO Model: Prioritizing Requirements with Examples](https://www.youtube.com/watch?v=qAlPJUYByNk&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=18&pp=iAQB) |
|  | [Requirement Models | Use Case | Activity | Class | Data Flow | State Diagram](https://www.youtube.com/watch?v=EhmHFtwFoQ0&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=19&pp=iAQB) |
|  | [Data Modeling Types and Techniques with Examples](https://www.youtube.com/watch?v=ZWAidhDypvQ&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=20&pp=iAQB) |
|  | [Software Design | Quality Guidelines and Attributes with Examples](https://www.youtube.com/watch?v=Em2VRh69isk&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=21&pp=iAQB) |
|  | [Software Design Concepts with Examples](https://www.youtube.com/watch?v=dce6oaUHdyM&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=22&pp=iAQB) |
|  | [Coupling and Cohesion with Examples](https://www.youtube.com/watch?v=vHdx0uMaO3E&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=23&pp=iAQB) |
|  | [User Interface Design Model Complete Cxplanation](https://www.youtube.com/watch?v=ewY-E7y8CYY&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=24&pp=iAQB) |
|  | [Architectural Design Model Complete Explanation](https://www.youtube.com/watch?v=3BaLG6KL5Ac&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=25&pp=iAQB) |
|  | [Component Level Design Complete Explanation with Example](https://www.youtube.com/watch?v=kaXAXeU5bVg&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=26&pp=iAQB) |
|  | [Project Planning | Process with Examples](https://www.youtube.com/watch?v=H6xT6bF4es0&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=27&pp=iAQB) |
|  | [Project Scope Management](https://www.youtube.com/watch?v=VlsobpC8GOY&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=28&pp=iAQB) |
|  | [Work Breakdown Structure (WBS) with Example](https://www.youtube.com/watch?v=-T6JhbbBI7I&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=29&pp=iAQB) |
|  | [Project Scheduling Process, Principles and Techniques with Example](https://www.youtube.com/watch?v=Vkvkn8mzYEU&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=30&pp=iAQB) |
|  | [Project Management Spectrum | 4P’s with Example](https://www.youtube.com/watch?v=f4uKk_gPOk4&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=31&pp=iAQB) |
|  | [W5HH Principle with Example | Boehm’s Principle](https://www.youtube.com/watch?v=bIhK2FXsET0&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=32&pp=iAQB) |
|  | [Software Measurements and Metrics | LOC | FP](https://www.youtube.com/watch?v=xLQL5q1JBTY&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=33&pp=iAQB) |
|  | [Software Project Estimation with Examples](https://www.youtube.com/watch?v=_hdPlc3kiTk&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=34&pp=iAQB) |
|  | [Decomposition Techniques in Project Estimation](https://www.youtube.com/watch?v=Z6AsRTNDoe8&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=35&pp=iAQB) |
|  | [Software Cost Estimation](https://www.youtube.com/watch?v=lZuhqpIHhW4&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=36&pp=iAQB) |
|  | [COCOMO Model with Solved Examples](https://www.youtube.com/watch?v=PfD4G4ZZAMA&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=37&pp=iAQB) |
|  | [Risk Management in Software Engineering](https://www.youtube.com/watch?v=FvfP2qLe16Q&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=38&pp=iAQB) |
|  | [RMMM Plan with Example | Risk Mitigation, Monitoring and Management Plan](https://www.youtube.com/watch?v=DBXoYGUzQN0&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=39&pp=iAQB) |
|  | [Software Configuration Management (SCM) | Process | Repository with Examples](https://www.youtube.com/watch?v=Z-pqT1phY5E&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=40&pp=iAQB) |
|  | [Introduction and Principles of Software Testing](https://www.youtube.com/watch?v=Y4ePqxtYBqI&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=41&pp=iAQB) |
|  | [White Box Testing Techniques with Examples](https://www.youtube.com/watch?v=F4whNOPpvZ4&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=42&pp=iAQB) |
|  | [Black Box Testing Techniques with Examples](https://www.youtube.com/watch?v=wrj-Mr_hSQ8&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=43&pp=iAQB) |
|  | [Black Box vs White Box Testing](https://www.youtube.com/watch?v=pwF9m6C8O7Q&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=44&pp=iAQB) |
|  | [Unit Testing with Examples](https://www.youtube.com/watch?v=fl8MSpK5dJg&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=45&pp=iAQB) |
|  | [Integration Testing with Examples](https://www.youtube.com/watch?v=gkUA-Ou4wV8&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=46&pp=iAQB) |
|  | [System Testing with Examples](https://www.youtube.com/watch?v=sMBEBVH2ERc&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=47&pp=iAQB) |
|  | [Acceptance Testing with Example | Alpha vs Beta Testing](https://www.youtube.com/watch?v=dfnAOdvUwUk&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=48&pp=iAQB) |
|  | [Verification vs Validation with Example](https://www.youtube.com/watch?v=5VFY7UzJYus&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=49&pp=iAQB) |
|  | [Defect / Bug Life Cycle Complete Explanation](https://www.youtube.com/watch?v=IntksBn9Sjk&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=50&pp=iAQB) |
|  | [Difference Between Software Testing and Debugging](https://www.youtube.com/watch?v=XWI5So6cyp8&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=51&pp=iAQB) |
|  | [Software Quality Dimensions | Metrics | Factors | Quality Management with Examples](https://www.youtube.com/watch?v=Lpp-DXSUMDU&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=52&pp=iAQB) |
|  | [Quality Assurance vs Quality Control](https://www.youtube.com/watch?v=mi_uQfdvzYo&list=PLQ-nEJNYlEV29CBLzIDxcogm6CEZjVad2&index=53&pp=iAQB) |
| **PART: 01** |  |
|  | [Software Engineering Syllabus Discussion](https://www.youtube.com/watch?v=uJpQlyT_CK4&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=1&pp=iAQB) |
|  | [What is Software Engineering and Its Evolution with Examples](https://www.youtube.com/watch?v=kcvEiMFOcoE&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=2&pp=iAQB) |
|  | [SDLC Life Cycle for Beginners with Real Life Example](https://www.youtube.com/watch?v=kSU2MPeptpM&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=3&pp=iAQB) |
|  | [Classic Waterfall Model](https://www.youtube.com/watch?v=noE3pnRzQGI&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=4&pp=iAQB) |
|  | [Iterative Waterfall Model with Example](https://www.youtube.com/watch?v=vl-IWe0DkwU&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=5&pp=iAQB) |
|  | [V Shaped Model with Examples (SDLC)](https://www.youtube.com/watch?v=algSKfQ03Sk&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=6&pp=iAQB) |
|  | [Prototyping Model](https://www.youtube.com/watch?v=nNzH2rlEH6A&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=7&pp=iAQB) |
|  | [Incremental Model](https://www.youtube.com/watch?v=yd6uxnBIIQg&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=8&pp=iAQB) |
|  | [Evolutionary Model with Real Life Examples](https://www.youtube.com/watch?v=SzRs2y1TcSY&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=9&pp=iAQB) |
|  | [Spiral Model (SDLC)](https://www.youtube.com/watch?v=y2CnstDLhXM&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=10&pp=iAQB) |
|  | [Agile in Software Engineering](https://www.youtube.com/watch?v=Xs6E-MAJbfE&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=11&pp=iAQB) |
|  | [SCRUM Model in Software Engineering | Agile Technology](https://www.youtube.com/watch?v=xef_bCjoRCk&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=12&pp=iAQB) |
|  | [Comparison of All SDLC Models | Waterfall, Iterative, Prototype, Spiral, RAD, Agile](https://www.youtube.com/watch?v=ASrMUd0p9fE&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=13&pp=iAQB) |
|  | [Software Requirements Engineering | Feasibility Study | Elicitation, SRS, Validation](https://www.youtube.com/watch?v=JNLRXczA9Y0&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=14&pp=iAQB) |
|  | [Functional vs Non-Functional Requirements](https://www.youtube.com/watch?v=IBqO6aUkJSE&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=15&pp=iAQB) |
|  | [Software Requirements Specification (SRS)](https://www.youtube.com/watch?v=83-S5Qu6VP8&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=16&pp=iAQB) |
|  | [User Requirements with Real Life Examples | User Requirement Specification](https://www.youtube.com/watch?v=a2fpi0rbr0c&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=17&pp=iAQB) |
|  | [What is DFD | How to Design DFD Symbols Examples Full Explanation](https://www.youtube.com/watch?v=KN-inGJG540&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=18&pp=iAQB) |
|  | [Levels of DFD | 0-Level | 1-Level | 2-Level with Example](https://www.youtube.com/watch?v=qtTWBs49BCA&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=19&pp=iAQB) |
|  | [Logical vs Physical DFD with Example](https://www.youtube.com/watch?v=IQFfMb2T2PY&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=20&pp=iAQB) |
|  | [Function Oriented vs Object Oriented Design Approach | Software Design Approaches](https://www.youtube.com/watch?v=bTv3qCtSR5c&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=21&pp=iAQB) |
|  | [Software Project Management (SPM) with Real Live Examples](https://www.youtube.com/watch?v=b6mcMkQONic&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=22&pp=iAQB) |
|  | [Risk Identification | Reactive vs Proactive Risk Management | Type of Risk with Real Life](https://www.youtube.com/watch?v=4SWEX4L2dOc&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=23&pp=iAQB) |
|  | [Risk Assessment with Examples | Risk Management](https://www.youtube.com/watch?v=9GthPTi1Nqc&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=24&pp=iAQB) |
|  | [Risk Control vs Risk Mitigation with Examples](https://www.youtube.com/watch?v=cOmovzsLIo0&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=25&pp=iAQB) |
|  | [Basic COCOMO and Intermediate COCOMO with Numerical](https://www.youtube.com/watch?v=lr0vA_p6T7Q&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=26&pp=iAQB) |
|  | [Critical Path Method (CPM) in Software Engineering](https://www.youtube.com/watch?v=Us5YtgvfomQ&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=27&pp=iAQB) |
|  | [Verification vs Validation in Software Engineering](https://www.youtube.com/watch?v=fxXZf4zDjGQ&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=28&pp=iAQB) |
|  | [Types of Testing in Software Engineering | Levels of Testing](https://www.youtube.com/watch?v=T0TynxN77oY&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=29&pp=iAQB) |
|  | [Error Sending in Software Testing | with Numerical Explanation](https://www.youtube.com/watch?v=lyEAdt8BPM8&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=30&pp=iAQB) |
|  | [MCQs on Software Engineering](https://www.youtube.com/watch?v=xfjkq0WpRcQ&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=31&pp=iAQB) |
|  | [Question on Cyclomatic Complexity](https://www.youtube.com/watch?v=cEGh6YK_XCs&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=32&pp=iAQB) |
|  | [Cohesion and Coupling in Software Engineering](https://www.youtube.com/watch?v=NweTzHYBgYU&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=33&pp=iAQB) |
|  | [Unit Testing with Examples](https://www.youtube.com/watch?v=9gu4BsqjQrA&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=34&pp=iAQB) |
|  | [Integration Testing with Examples](https://www.youtube.com/watch?v=p8vrpGMR3g4&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=35&pp=iAQB) |
|  | [System Testing with Examples](https://www.youtube.com/watch?v=AloUqnD7aPs&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=36&pp=iAQB) |
|  | [Types of System Testing](https://www.youtube.com/watch?v=NY7k2qoe4OY&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=37&pp=iAQB) |
|  | [White Box Testing with Example](https://www.youtube.com/watch?v=IOrAlTY639U&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=38&pp=iAQB) |
|  | [White Box vs Black Box Testing](https://www.youtube.com/watch?v=89VOHd8F8Ao&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=39&pp=iAQB) |
|  | [Statement Coverage Technique White Box Testing](https://www.youtube.com/watch?v=BKsGb4sAsxo&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=40&pp=iAQB) |
|  | [Condition Coverage in White Box Testing](https://www.youtube.com/watch?v=WTOH1PfxA5M&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=41&pp=iAQB) |
|  | [Data Flow Testing Technique in White Box Testing](https://www.youtube.com/watch?v=kRVXMVAH5H8&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=42&pp=iAQB) |
|  | [Boundary Value Testing | Black Box Testing](https://www.youtube.com/watch?v=l239yuyq9xQ&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=43&pp=iAQB) |
|  | [Perfective, Preventive, Adaptive, Corrective Maintenance in Software Engineering](https://www.youtube.com/watch?v=nulFv99VBGs&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=44&pp=iAQB) |
|  | [MTBF vs MTTR | Mean Time Between Failure | Mean Time To Repair](https://www.youtube.com/watch?v=Gp9DhFWGgJQ&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=45&pp=iAQB) |
|  | [Reverse Engineering with Real Life Example](https://www.youtube.com/watch?v=eh88vW60-I4&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=46&pp=iAQB) |
|  | [Case Tools in Software Engineering](https://www.youtube.com/watch?v=MZk2KQgptts&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=47&pp=iAQB) |
|  | [Performance Testing with Real Life Examples](https://www.youtube.com/watch?v=8SYFrCe4uAI&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=48&pp=iAQB) |
|  | [Regression Testing with Real Live Examples](https://www.youtube.com/watch?v=5496sXljdnQ&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=49&pp=iAQB) |
|  | [Introduction to UML with Examples](https://www.youtube.com/watch?v=3qKKcUZqfQk&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=50&pp=iAQB) |
|  | [Use Case Diagram in UML](https://www.youtube.com/watch?v=Hj6Lkoi_VoM&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=51&pp=iAQB) |
|  | [Sequence Diagram in UML](https://www.youtube.com/watch?v=VnRQ5CNC4Fs&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=52&pp=iAQB) |
|  | [Activity Diagram in UML](https://www.youtube.com/watch?v=LyhTDsjjjrE&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=53&pp=iAQB) |
|  | [Class Diagram in UML | Banking System with Real Life Example](https://www.youtube.com/watch?v=HuL9EMx8NQo&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=54&pp=iAQB) |
|  | [Class Diagram in UML | Class vs Object UML Diagram with Real Life Example](https://www.youtube.com/watch?v=3SHCM114zI8&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=55&pp=iAQB) |
|  | [Object Diagram in UL | Class vs Object UML Diagram with Real Life Example](https://www.youtube.com/watch?v=VIPhgTc5Ss0&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=56&pp=iAQB) |
|  | [RAD Model](https://www.youtube.com/watch?v=sXNGEnZ7Wy4&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=57&pp=iAQB) |
|  | [RAD Model in Software Engineering](https://www.youtube.com/watch?v=MvyVR5soJjI&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=58&pp=iAQB) |
|  | [Function Point (FP) vs Line of Code (LOC) | Project Size Estimation](https://www.youtube.com/watch?v=UBIe1kTIJDY&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=59&pp=iAQB) |
|  | [Function Point Analysis (FPA) | Function Point with Real Life Example](https://www.youtube.com/watch?v=7xBcVtjmGwM&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=60&pp=iAQB) |
|  | [Function Point Calculation | How Project Estivation in Done Using FP](https://www.youtube.com/watch?v=bKwvzXQKBRo&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=61&pp=iAQB) |
|  | [Aggregation vs Composition in UML with Examples](https://www.youtube.com/watch?v=8Nkat4_lDik&list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2&index=62&pp=iAQB) |

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| Software Architecture | |
| **PART: 01** | **Software Design and Architecture** |
|  | [What is Software Architecture in Software Engineering](https://www.youtube.com/watch?v=xtZwezSAzTA&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=1&pp=iAQB) |
|  | [Software Architecture in Software Design and Architecture](https://www.youtube.com/watch?v=K5ZToNM21XQ&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=2&pp=iAQB) |
|  | [Difference Between Software Architecture and Software Design](https://www.youtube.com/watch?v=liaE-olw84s&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=3&pp=iAQB) |
|  | [Software Architecture Business Cycle Explained](https://www.youtube.com/watch?v=-TkLNoRWi8E&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=4&pp=iAQB) |
|  | [5 Factors Affecting Architecture | Factors Influencing Architecture](https://www.youtube.com/watch?v=0pDLenzVkz0&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=5&pp=iAQB) |
|  | [Factors Affected by Architecture | Factors Influencing Architecture](https://www.youtube.com/watch?v=FY_qfp7uBUA&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=6&pp=iAQB) |
|  | [Importance of Architecture in Software Architecture and Design](https://www.youtube.com/watch?v=IFaroWfG5NE&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=7&pp=iAQB) |
|  | [Software Architecture Activities | ABC Software Architecture Business Cycle](https://www.youtube.com/watch?v=q-OBB0e612E&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=8&pp=iAQB) |
|  | [Software Architecture Evaluation](https://www.youtube.com/watch?v=gRuFk3UshDo&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=9&pp=iAQB) |
|  | [Architecture Pattern | Architecture Style in Software Engineering](https://www.youtube.com/watch?v=v58B_2C74QI&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=10&pp=iAQB) |
|  | [Reference Architecture | Domain Specific Architecture in Software Engineering](https://www.youtube.com/watch?v=ChEayJYaCis&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=11&pp=iAQB) |
|  | [Software Project Line Architecture](https://www.youtube.com/watch?v=jHO27N7H2C4&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=12&pp=iAQB) |
|  | [ADL Architecture Description Language in Software Architecture](https://www.youtube.com/watch?v=jm7C5odVJik&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=13&pp=iAQB) |
|  | [Software Quality Attributes in Software Engineering](https://www.youtube.com/watch?v=DR3DrGeLPMg&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=14&pp=iAQB) |
|  | [Quality Attributes Scenarios in Software Architecture](https://www.youtube.com/watch?v=kMf5Br70kkk&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=15&pp=iAQB) |
|  | [Quality Attributes Scenario Example in Software Architecture](https://www.youtube.com/watch?v=U0UtIfOzPQw&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=16&pp=iAQB) |
|  | [Availability Quality Attribute in Software Design and Architecture](https://www.youtube.com/watch?v=mNWOg0e-uFo&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=17&pp=iAQB) |
|  | [Modifiability in Software Architecture | Software Design and Architecture](https://www.youtube.com/watch?v=w8RWabZpnAs&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=18&pp=iAQB) |
|  | [Performance Quality Attribute in Software Architecture](https://www.youtube.com/watch?v=wY2vEOvmgzI&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=19&pp=iAQB) |
|  | [Security Quality Attribute in Software Architecture](https://www.youtube.com/watch?v=Gw-enG-Zs7M&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=20&pp=iAQB) |
|  | [Testability Software Quality Attribute in Software Design and Architecture](https://www.youtube.com/watch?v=uI2Mad2lMXA&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=21&pp=iAQB) |
|  | [Usability Quality Attribute in Software Architecture](https://www.youtube.com/watch?v=rFHBG7kE6kE&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=22&pp=iAQB) |
|  | [Software Architecture Qualities | Conceptual Integrity, Buildability, Correctness](https://www.youtube.com/watch?v=81YWY_3tXNg&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=23&pp=iAQB) |
|  | [Availability Tactics in Software Architecture Qualities](https://www.youtube.com/watch?v=KxhokoZgzqc&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=24&pp=iAQB) |
|  | [Fault Detection Availability Tactics in Software Architecture](https://www.youtube.com/watch?v=L1heQqbgj4w&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=25&pp=iAQB) |
|  | [Fault Recovery and Fault Preparation | Availability Tactics in Software Architecture](https://www.youtube.com/watch?v=10zjVSoCzHc&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=26&pp=iAQB) |
|  | [Fault Prevention Availability Tactics in Software Architecture](https://www.youtube.com/watch?v=7rf7ATf287o&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=27&pp=iAQB) |
|  | [Tactics Modifiability in Software Architecture](https://www.youtube.com/watch?v=VEEGhXJp_eQ&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=28&pp=iAQB) |
|  | [Availability Tactics in Software Architecture](https://www.youtube.com/watch?v=a6QqaLHMAVE&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=29&pp=iAQB) |
|  | [5 Software Architecture Pattern](https://www.youtube.com/watch?v=8l63OAffDFA&list=PLfX2IHFUV0cEenh8hld1s3MmtGdCNYBCg&index=30&pp=iAQB) |
| **PART: 01** | **Software Development Methodology** |
|  | [Software Development Methodology](https://www.youtube.com/watch?v=lY2aAVjTxag&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=1&pp=iAQB) |
|  | [Traditional Development Methodology](https://www.youtube.com/watch?v=PIKxEb6e2wk&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=2&pp=iAQB) |
|  | [Agile Development Methodology](https://www.youtube.com/watch?v=Lqtc-GFZiSI&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=3&pp=iAQB) |
|  | [Agile Model vs Scrum vs Extreme Programming](https://www.youtube.com/watch?v=ssBL1O4bSwU&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=4&pp=iAQB) |
|  | [Dynamic System Development Methodology DSDM](https://www.youtube.com/watch?v=6ZnczTWpRYg&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=5&pp=iAQB) |
|  | [Software Quality Model](https://www.youtube.com/watch?v=Jz_L91zxrsE&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=6&pp=iAQB) |
|  | [Mc Call Software Quality Model](https://www.youtube.com/watch?v=WtqLfLp1FiI&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=7&pp=iAQB) |
|  | [Boehm Software Quality Model](https://www.youtube.com/watch?v=mrUHikKUU10&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=8&pp=iAQB) |
|  | [ISO Software Quality Model](https://www.youtube.com/watch?v=vC3mQBnl-UY&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=9&pp=iAQB) |
|  | [FURPS Software Quality Model](https://www.youtube.com/watch?v=CjV6DApYIno&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=10&pp=iAQB) |
|  | [Components and Connectors in Software Architecture](https://www.youtube.com/watch?v=a3P_huF3SRI&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=11&pp=iAQB) |
|  | [Master Slave Architecture](https://www.youtube.com/watch?v=UV88xIBwDco&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=12&pp=iAQB) |
|  | [Evolution of Software Architecture](https://www.youtube.com/watch?v=ESVa33zJ7qM&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=13&pp=iAQB) |
|  | [Software Architecture Model | True Engineer](https://www.youtube.com/watch?v=a8J2w4dlUwo&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=14&pp=iAQB) |
|  | [Structural Model in Software Architecture Model](https://www.youtube.com/watch?v=_3BGuV5zJ-Y&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=15&pp=iAQB) |
|  | [Complete Software Architecture Model for Engineering Exam](https://www.youtube.com/watch?v=vUEQVPOQKzk&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=16&pp=iAQB) |
|  | [Software Architectural Style | True Engineer](https://www.youtube.com/watch?v=hb_IeZ0LUm8&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=17&pp=iAQB) |
|  | [Data Flow Architecture Pipes and Filter Architecture | True Engineer](https://www.youtube.com/watch?v=zjyQBGqvI84&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=18&pp=iAQB) |
|  | [Call and Return Architecture Styles in Software Architecture](https://www.youtube.com/watch?v=bCgEVKgQdLU&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=19&pp=iAQB) |
|  | [Data Centered Architecture Styles in Software Architecture](https://www.youtube.com/watch?v=jKkrdOCYbHs&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=20&pp=iAQB) |
|  | [Layered Architecture Style Software Architecture](https://www.youtube.com/watch?v=A0yws5tU5Lk&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=21&pp=iAQB) |
|  | [Client Server Architecture Style](https://www.youtube.com/watch?v=Bl-0VPAFGNI&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=22&pp=iAQB) |
|  | [Agent Based Architecture](https://www.youtube.com/watch?v=nWL-I-796zU&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=23&pp=iAQB) |
|  | [Micro-Service Based Architecture](https://www.youtube.com/watch?v=jDH-XUkDaPk&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=24&pp=iAQB) |
|  | [REST Architecture](https://www.youtube.com/watch?v=YdVDEBPeEg8&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=25&pp=iAQB) |
|  | [Software Architecture Description Language (ADLs)](https://www.youtube.com/watch?v=klB60F2-zUo&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=26&pp=iAQB) |
|  | [Jdbc Java Database Connectivity](https://www.youtube.com/watch?v=gxYCesUoio4&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=27&pp=iAQB) |
|  | [ODBC (Open Database Connectivity)](https://www.youtube.com/watch?v=RaHVNTYTGlU&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=28&pp=iAQB) |
|  | [MVC (Model View Controller)](https://www.youtube.com/watch?v=Z75uFaJN5cY&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=29&pp=iAQB) |
|  | [Hibernate in Software Architecture](https://www.youtube.com/watch?v=skAOkq_dW3o&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=30&pp=iAQB) |
|  | [Corba in Software Architecture](https://www.youtube.com/watch?v=PaJknxy2pdQ&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=31&pp=iAQB) |
|  | [Java RMI in Software Architecture](https://www.youtube.com/watch?v=tF6urPjff6k&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=32&pp=iAQB) |
|  | [Role of UML (Unified Modeling Language)](https://www.youtube.com/watch?v=fCFgBqYPTFs&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=33&pp=iAQB) |
|  | [CBAM (Cost Benefit Analysis Method)](https://www.youtube.com/watch?v=lI5cxgWYnNQ&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=34&pp=iAQB) |
|  | [ATAM (Architecture Analysis Tradeoff Method)](https://www.youtube.com/watch?v=BHB2ENrebOY&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=35&pp=iAQB) |
|  | [ARID (Active Reviews For Intermediate Designs)](https://www.youtube.com/watch?v=4Z4MG7MJfP4&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=36&pp=iAQB) |
|  | [Software Architecture Documentation | True Engineer](https://www.youtube.com/watch?v=HK0l9-GTnMs&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=37&pp=iAQB) |
|  | [Principle of Sound Documentation | True Engineer](https://www.youtube.com/watch?v=F85GW5brMsI&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=38&pp=iAQB) |
|  | [Documentation Package Using a Seven Part Template | True Engineer](https://www.youtube.com/watch?v=Qwf-DNCnhrw&list=PLo4m8hx3sbb_8z5v3UbqwNF93DiSnXqzP&index=39&pp=iAQB) |
| **PART: 01** | **Software Architecture and Design** |
|  | [Getting the Basics – Software Architecture Introduction](https://www.youtube.com/watch?v=8UlLgOf20Ho&list=PL4JxLacgYgqTgS8qQPC17fM-NWMTr5GW6&index=1&pp=iAQB) |
| 01 | [Scaling Distributed Systems](https://www.youtube.com/watch?v=gxfERVP18-g&list=PL4JxLacgYgqTgS8qQPC17fM-NWMTr5GW6&index=2&pp=iAQB) |
| 02 | [Distributed Cache Explained](https://www.youtube.com/watch?v=QBMTGngjWdU&list=PL4JxLacgYgqTgS8qQPC17fM-NWMTr5GW6&index=3&pp=iAQB) |
| 03 | [What is Event Driven Architecture (EDA Part-1)](https://www.youtube.com/watch?v=DQ5Cbt8DQbM&list=PL4JxLacgYgqTgS8qQPC17fM-NWMTr5GW6&index=4&pp=iAQB) |
| 04 | [The Saga Pattern in Micro-services (EDA Part-2)](https://www.youtube.com/watch?v=C0rGwyJkDTU&list=PL4JxLacgYgqTgS8qQPC17fM-NWMTr5GW6&index=5&pp=iAQB) |
| 05 | [What is Event Sourcing and CQUS (EDA Part-3)](https://www.youtube.com/watch?v=i2eVTk2Fb40&list=PL4JxLacgYgqTgS8qQPC17fM-NWMTr5GW6&index=6&pp=iAQB) |
| 06 | [What is Service Discovery](https://www.youtube.com/watch?v=v4u7m2Im7ng&list=PL4JxLacgYgqTgS8qQPC17fM-NWMTr5GW6&index=7&pp=iAQB) |
|  | [Micro-services Security Architecture (+Cybersecurity Basis)](https://www.youtube.com/watch?v=m438IXxaQJ4&list=PL4JxLacgYgqTgS8qQPC17fM-NWMTr5GW6&index=8&pp=iAQB) |
|  | [Distributed System Design Introduction (Concepts and Challenges)](https://www.youtube.com/watch?v=Sa_gJwB55jY&list=PL4JxLacgYgqTgS8qQPC17fM-NWMTr5GW6&index=9&pp=iAQB) |
| **PART: 01** | **Software and Web Application Architecture** |
|  | [Software Architecture | Architectural Patterns | Architecture and Design Patterns](https://www.youtube.com/watch?v=lTkL1oIMiaU&list=PLSyLGd0D0b4ThfElztKEueqQ5SIHJjUEU&index=1&pp=iAQB) |
|  | [Layered / N-Tire Architectural Pattern](https://www.youtube.com/watch?v=BCXcIllT7Lc&list=PLSyLGd0D0b4ThfElztKEueqQ5SIHJjUEU&index=2&pp=iAQB) |
|  | [Micro-services Architectural Pattern](https://www.youtube.com/watch?v=8BPDv038oMI&list=PLSyLGd0D0b4ThfElztKEueqQ5SIHJjUEU&index=3&pp=iAQB) |
|  | [Micro-kernel Architectural Pattern](https://www.youtube.com/watch?v=h3icQDMRLd8&list=PLSyLGd0D0b4ThfElztKEueqQ5SIHJjUEU&index=4&pp=iAQB) |
|  | [Web Services - Demystified](https://www.youtube.com/watch?v=oaM27ETgxic&list=PLSyLGd0D0b4ThfElztKEueqQ5SIHJjUEU&index=5&pp=iAQB) |
|  | [APIs | REST | REST APIs Demystified](https://www.youtube.com/watch?v=FOZtRzY5x8E&list=PLSyLGd0D0b4ThfElztKEueqQ5SIHJjUEU&index=6&pp=iAQB) |
|  | [Server-less Architecture Explained](https://www.youtube.com/watch?v=RzsaM6kL1FU&list=PLSyLGd0D0b4ThfElztKEueqQ5SIHJjUEU&index=7&pp=iAQB) |
|  | [Service-Oriented Architecture – SOA | Software / Web Application Architecture](https://www.youtube.com/watch?v=jNiEMmoTDoE&list=PLSyLGd0D0b4ThfElztKEueqQ5SIHJjUEU&index=8&pp=iAQB) |
|  | [Distributed Systems | Distributed Computing Explained](https://www.youtube.com/watch?v=ajjOEltiZm4&list=PLSyLGd0D0b4ThfElztKEueqQ5SIHJjUEU&index=9&pp=iAQB) |
|  | [Event-Driven Architecture | EDA | Software Architectural Patterns](https://www.youtube.com/watch?v=gIL8rW_eyww&list=PLSyLGd0D0b4ThfElztKEueqQ5SIHJjUEU&index=10&pp=iAQB) |
| **PART: 01** | **Web Application Architecture** |
|  | [App Architecture – Understanding Frontend, Backend and Web Servers](https://www.youtube.com/watch?v=d1Gd-MGaleE&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=1&pp=iAQB) |
|  | [What is a Server – Web Server, Application Server](https://www.youtube.com/watch?v=Nu-18s6EeM8&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=2&pp=iAQB) |
|  | [What is a API](https://www.youtube.com/watch?v=PXZs_Dmh1g4&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=3&pp=iAQB) |
|  | [Web Application Architecture – Load Balancing and Caching](https://www.youtube.com/watch?v=U9P96XQ2688&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=4&pp=iAQB) |
|  | [Web Application Architecture – Proxy and Reverse Proxy Servers](https://www.youtube.com/watch?v=fW4DrKBO98w&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=5&pp=iAQB) |
|  | [What Are Micro-services – Web App Architecture](https://www.youtube.com/watch?v=dLRNox7oZDM&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=6&pp=iAQB) |
|  | [What is Server-less | Cloud Computing Fundamentals](https://www.youtube.com/watch?v=ENxpV-ElqiY&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=7&pp=iAQB) |
|  | [App Architecture – Message Queues](https://www.youtube.com/watch?v=Lqfg1qyNr3M&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=8&pp=iAQB) |
|  | [What is A Middleware](https://www.youtube.com/watch?v=u4Q5DLfTFew&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=9&pp=iAQB) |
|  | [What is A CDN](https://www.youtube.com/watch?v=CUCD_7WC098&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=10&pp=iAQB) |
|  | [Building Login Systems | Web Application Architecture](https://www.youtube.com/watch?v=QhG48JwRJBA&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=11&pp=iAQB) |
|  | [Web Application Architecture – 2020 and Beyond](https://www.youtube.com/watch?v=nw-oK-lpUTY&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=12&pp=iAQB) |
|  | [Single Page Applications Architecture | Web Application Architecture Series](https://www.youtube.com/watch?v=H1NmO3f5oiI&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=13&pp=iAQB) |
|  | [Multitenant Architecture For SaaS Apps | Web Application Architecture](https://www.youtube.com/watch?v=cEOrF1muc0w&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=14&pp=iAQB) |
|  | [Implementing Multitenancy In A SaaS Product | System Design](https://www.youtube.com/watch?v=YGIWB8J62s0&list=PLUU3EzfPr915ebZONvUVHKm8Bls6D7EgA&index=15&pp=iAQB) |

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| System Analysis and Design | |
| **PART: 01** | **System Analysis and Design** |
|  | [Introduction, Definition and Characteristics of System](https://www.youtube.com/watch?v=lGe74JlhG7I&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=1&pp=iAQB) |
|  | [Elements of System with Notes](https://www.youtube.com/watch?v=3s2W5mrem_s&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=2&pp=iAQB) |
|  | [Types of System with Notes](https://www.youtube.com/watch?v=PMNZKyZUtAY&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=3&pp=iAQB) |
|  | [System Analyst Skills and Responsibilities with Notes](https://www.youtube.com/watch?v=PpDxxd7-Vl8&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=4&pp=iAQB) |
|  | [System Development Life Cycle SDLC with Notes](https://www.youtube.com/watch?v=CtNXNfxvpIM&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=5&pp=iAQB) |
|  | [Requirement Analysis with Notes](https://www.youtube.com/watch?v=l3KLo9dZYf8&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=6&pp=iAQB) |
|  | [Feasibility Study with Notes](https://www.youtube.com/watch?v=x7Lg0v2Q9gs&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=7&pp=iAQB) |
|  | [Information Gathering Tools Part-1](https://www.youtube.com/watch?v=TQoYSjYXK7I&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=8&pp=iAQB) |
|  | [Information Gathering Tools Part-2](https://www.youtube.com/watch?v=XGEcM6LsZV0&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=9&pp=iAQB) |
|  | [Cost Benefit Analysis with Notes](https://www.youtube.com/watch?v=9Iw83T9lguc&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=10&pp=iAQB) |
|  | [Input Design](https://www.youtube.com/watch?v=MxzxfLDuvCc&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=11&pp=iAQB) |
|  | [Output Design](https://www.youtube.com/watch?v=NNP8t9Mbpq4&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=12&pp=iAQB) |
|  | [Introduction to Modular and Structural Design](https://www.youtube.com/watch?v=JZRbU68_r-o&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=13&pp=iAQB) |
|  | [Top Down, Bottom Up Approach, Module Attributes and Types](https://www.youtube.com/watch?v=LRSVAOKI0T8&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=14&pp=iAQB) |
|  | [Tools for Structured Design](https://www.youtube.com/watch?v=1VN5NJwC6o0&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=15&pp=iAQB) |
|  | [Design Considerations](https://www.youtube.com/watch?v=DaDkZGmKqEM&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=16&pp=iAQB) |
|  | [Coupling and Its Types](https://www.youtube.com/watch?v=CyAo5yqVQ1g&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=17&pp=iAQB) |
|  | [Coupling](https://www.youtube.com/watch?v=XzKUHmmVa9c&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=18&pp=iAQB) |
|  | [Cohesion](https://www.youtube.com/watch?v=6zqRGe7r-6A&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=19&pp=iAQB) |
|  | [Relationship Between Coupling and Cohesion](https://www.youtube.com/watch?v=NO5t3UDKBuU&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=20&pp=iAQB) |
|  | [Introduction to Testing](https://www.youtube.com/watch?v=CqOgG3sYlCs&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=21&pp=iAQB) |
|  | [Types of Testing Part-1](https://www.youtube.com/watch?v=aLPBHdUhvvU&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=22&pp=iAQB) |
|  | [Types of Testing – Functional Testing](https://www.youtube.com/watch?v=vTMawO88AKQ&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=23&pp=iAQB) |
|  | [Types of Testing – Non-Functional Testing](https://www.youtube.com/watch?v=UztWCIMtkto&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=24&pp=iAQB) |
|  | [System Testing](https://www.youtube.com/watch?v=C78mYypf45I&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=25&pp=iAQB) |
|  | [System Implementation](https://www.youtube.com/watch?v=QgAUHwE2Cf0&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=26&pp=iAQB) |
|  | [Quality Assurance](https://www.youtube.com/watch?v=GkIv-kU20fs&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=27&pp=iAQB) |
|  | [Documentation](https://www.youtube.com/watch?v=xebw9ytLmIQ&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=28&pp=iAQB) |
|  | [Concept, Importance and Types of System Maintenance](https://www.youtube.com/watch?v=6lJYGoFflbM&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=29&pp=iAQB) |
|  | [System Flow Chart](https://www.youtube.com/watch?v=_4d6hTC0kBQ&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=30&pp=iAQB) |
|  | [Data Flow Diagram (DFD)](https://www.youtube.com/watch?v=P9BmrP70Jqc&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=31&pp=iAQB) |
|  | [Data Dictionary](https://www.youtube.com/watch?v=0mT6wegAFfc&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=32&pp=iAQB) |
|  | [Decision Tree](https://www.youtube.com/watch?v=v7X9EVrseAw&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=33&pp=iAQB) |
|  | [Decision Table](https://www.youtube.com/watch?v=-pAMeaWG7Ac&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=34&pp=iAQB) |
| **PART: 01** | **System Analysis and Design** |
|  | [What is System Analysis | What is System Design](https://www.youtube.com/watch?v=kuy3lj2zGfI&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=1&pp=iAQB) |
|  | [What is System | Elements of System](https://www.youtube.com/watch?v=zHORyOGONU8&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=2&pp=iAQB) |
|  | [What is System | Types of System in SAD](https://www.youtube.com/watch?v=oTN3CqknqIw&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=3&pp=iAQB) |
|  | [Who is System Analyst | His Qualities, Role and Responsibilities](https://www.youtube.com/watch?v=aM0V8FiCyws&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=4&pp=iAQB) |
|  | [What is SDLC | Phases of SDLC | Importance of SDLC](https://www.youtube.com/watch?v=LmN7m4bERtM&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=5&pp=iAQB) |
|  | [What is Feasibility Study | Types of Feasibility Study](https://www.youtube.com/watch?v=bgOKpmtff3k&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=6&pp=iAQB) |
|  | [What is SRS Document | Feature or Characteristics of a Good SRS](https://www.youtube.com/watch?v=jxLDCNRvBu4&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=7&pp=iAQB) |
|  | [What is Structured Analysis | What is Structured Design](https://www.youtube.com/watch?v=YM_mrcvQbFA&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=8&pp=iAQB) |
|  | [What is Data Flow Diagram (DFD) | Types of DFD | Levels of DFD](https://www.youtube.com/watch?v=Y7S3sKB--5Q&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=9&pp=iAQB) |
|  | [What is Data Dictionary | Types of Data Dictionary and Advantages](https://www.youtube.com/watch?v=YflikN1VJ50&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=10&pp=iAQB) |
|  | [What is Entity Relationship Diagram (ERD) | What is ER-Model](https://www.youtube.com/watch?v=YsNnDPjmAPs&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=11&pp=iAQB) |
|  | [SDLC Models | What is Waterfall Model | Advantages and Disadvantages](https://www.youtube.com/watch?v=OUXfAls-P1Q&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=12&pp=iAQB) |
|  | [What is Iterative Model | When to Use | Advantage and Disadvantage](https://www.youtube.com/watch?v=Eu1Sq3ekxW8&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=13&pp=iAQB) |
|  | [What is Prototype Model | When to Use | Advantage and Disadvantage](https://www.youtube.com/watch?v=vrjfPY98bak&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=14&pp=iAQB) |
|  | [What is Spiral Model | When to Use | Advantage and Disadvantage](https://www.youtube.com/watch?v=xXfKCIYufMY&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=15&pp=iAQB) |
|  | [What are Information Gathering Tools](https://www.youtube.com/watch?v=DvLpWvxa35c&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=16&pp=iAQB) |
|  | [Cost Benefit Analysis | Perform Cost Benefit Analysis](https://www.youtube.com/watch?v=534lEmL6CtM&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=17&pp=iAQB) |
|  | [Decision Tree | Decision Table](https://www.youtube.com/watch?v=c7np18s7H8Y&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=18&pp=iAQB) |
|  | [Software Testing | Need of Software Testing and Importance](https://www.youtube.com/watch?v=u19Sjj4hLeg&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=19&pp=iAQB) |
|  | [Types of Software Testing | White Box Testing | Black Box Testing](https://www.youtube.com/watch?v=609XMG51VZQ&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=20&pp=iAQB) |
|  | [Functional Testing | Non-Functional Testing](https://www.youtube.com/watch?v=dHMY-7pSZ3Y&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=21&pp=iAQB) |
|  | [What is Software Design | Basic Principle of Software Design](https://www.youtube.com/watch?v=1-Lo0127nyI&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=22&pp=iAQB) |
|  | [Coupling and Cohesion](https://www.youtube.com/watch?v=Sku73xdulG0&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=23&pp=iAQB) |
| **PART: 01** | **System Analysis and Design** |
|  | [Project Initiation](https://www.youtube.com/watch?v=G8ZfiO0hj5A&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=1&pp=iAQB) |
|  | [Feasibility Analysis](https://www.youtube.com/watch?v=47ssXvPjIuY&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=2&pp=iAQB) |
|  | [Project Selection](https://www.youtube.com/watch?v=x_sh0l1hAa8&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=3&pp=iAQB) |
|  | [Development Methodologies](https://www.youtube.com/watch?v=6-GbY4Asgf8&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=4&pp=iAQB) |
|  | [Project Management](https://www.youtube.com/watch?v=y8fNhliftV4&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=5&pp=iAQB) |
|  | [Managing the Schedule](https://www.youtube.com/watch?v=kgI4Cq3bKOo&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=6&pp=iAQB) |
|  | [Managing Scope and Risk](https://www.youtube.com/watch?v=hAVZMLbXCog&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=7&pp=iAQB) |
|  | [Managing Team Work](https://www.youtube.com/watch?v=VMnjOk0VO_s&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=8&pp=iAQB) |
|  | [Analysis Phase](https://www.youtube.com/watch?v=7vKuE38Djhc&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=9&pp=iAQB) |
|  | [Requirement Types and Documentation](https://www.youtube.com/watch?v=qoke10y2QKA&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=10&pp=iAQB) |
|  | [Requirement Gathering Techniques](https://www.youtube.com/watch?v=NxUDV0ShSvQ&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=11&pp=iAQB) |
|  | [Requirement Analysis Strategies](https://www.youtube.com/watch?v=IZxmQ5YnAtI&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=12&pp=iAQB) |
|  | [What is a Use Case](https://www.youtube.com/watch?v=vf5qn-tNU4A&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=13&pp=iAQB) |
|  | [Approaching Use Case Analysis](https://www.youtube.com/watch?v=dAre_rDohAc&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=14&pp=iAQB) |
|  | [Use Case Elements and Styles with an Example](https://www.youtube.com/watch?v=KRBqeRZnvAk&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=15&pp=iAQB) |
|  | [Vision for Data Flow Diagrams and ER-Diagram](https://www.youtube.com/watch?v=n67FF0_Fsno&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=16&pp=iAQB) |
|  | [Elements of a DFD](https://www.youtube.com/watch?v=StwBh8iQkEs&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=17&pp=iAQB) |
|  | [DFD Levels and Checking Quality](https://www.youtube.com/watch?v=SNPqm59WPkk&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=18&pp=iAQB) |
|  | [Design Phase Overview](https://www.youtube.com/watch?v=m9BM-rK7GZ8&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=19&pp=iAQB) |
|  | [Acquisition Tools](https://www.youtube.com/watch?v=7bRMC_r7u-w&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=20&pp=iAQB) |
|  | [Acquisition Strategies](https://www.youtube.com/watch?v=dOy-GLXCdwg&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=21&pp=iAQB) |
|  | [Architecture Design](https://www.youtube.com/watch?v=4ZZVo2YPkIg&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=22&pp=iAQB) |
|  | [Non-Functional Requirements Revisited](https://www.youtube.com/watch?v=Fy0y9Ui7MA4&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=23&pp=iAQB) |
|  | [HW-SW Specification](https://www.youtube.com/watch?v=-N7p7L2e7A8&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=24&pp=iAQB) |
|  | [UI Principles](https://www.youtube.com/watch?v=4ZKu48s6AOw&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=25&pp=iAQB) |
|  | [UI Design Process](https://www.youtube.com/watch?v=21KVMEGK328&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=26&pp=iAQB) |
|  | [Navigation Mechanism](https://www.youtube.com/watch?v=mOdcVyxvAI4&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=27&pp=iAQB) |
|  | [Input Output Mechanisms](https://www.youtube.com/watch?v=DMPxxijmG7M&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=28&pp=iAQB) |
|  | [Logical To Physical](https://www.youtube.com/watch?v=ztlQvpS4QHk&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=29&pp=iAQB) |
|  | [Program Design](https://www.youtube.com/watch?v=czBFiEsvAPM&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=30&pp=iAQB) |
|  | [Moving to Implementation](https://www.youtube.com/watch?v=6j_coDIgrTw&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=31&pp=iAQB) |
|  | [Managing The Programming Process](https://www.youtube.com/watch?v=HzuWd-zgAc4&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=32&pp=iAQB) |
|  | [Software Testing](https://www.youtube.com/watch?v=SSqiAAvAYbA&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=33&pp=iAQB) |
|  | [Documentation](https://www.youtube.com/watch?v=dP4nvxZ3eZ4&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=34&pp=iAQB) |
|  | [Post-Implementation](https://www.youtube.com/watch?v=T7ltS5lgayA&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=35&pp=iAQB) |
|  | [Migration](https://www.youtube.com/watch?v=xEyYm6WU_Wg&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=36&pp=iAQB) |
|  | [Conversion Strategies](https://www.youtube.com/watch?v=oaQHAPzuqLQ&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=37&pp=iAQB) |
|  | [Change Management](https://www.youtube.com/watch?v=E3IGuGcKTtg&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=38&pp=iAQB) |
|  | [Characteristics of the OO Approach](https://www.youtube.com/watch?v=i--fs4l9U_M&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=39&pp=iAQB) |
|  | [UML](https://www.youtube.com/watch?v=fkmW2w4-_lE&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=40&pp=iAQB) |

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| Human Computer Interaction (HCI) | |
| **PART: 01** |  |
|  | [Introduction of Human Computer Interaction (HCI)](https://www.youtube.com/watch?v=uB9LaBIAcRs&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=1&pp=iAQB) |
|  | [Goals of Human Computer Interaction](https://www.youtube.com/watch?v=IWlyZ1DLiIE&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=2&pp=iAQB) |
|  | [Benefits and Functionalities of Human Computer Interaction | Good and Poor Design](https://www.youtube.com/watch?v=A1cKfcVbNmw&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=3&pp=iAQB) |
|  | [Components of Human Computer Interaction with Examples](https://www.youtube.com/watch?v=_v25vDViSlw&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=4&pp=iAQB) |
|  | [Multidisciplinary Fields in Human Computer Interaction](https://www.youtube.com/watch?v=NECAVHy4gYA&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=5&pp=iAQB) |
|  | [User Centered Design (UCD) Process with Examples](https://www.youtube.com/watch?v=dRIavYjuXek&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=6&pp=iAQB) |
|  | [Principles of Human Computer Interaction with Example](https://www.youtube.com/watch?v=v__Yhk1U94k&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=7&pp=iAQB) |
|  | [Input Output Channel in Human Computer Interaction with Examples](https://www.youtube.com/watch?v=UzDUQNLolLE&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=8&pp=iAQB) |
|  | [Human Memory | Encoding and Retrieval Working | Model of Memory with Example](https://www.youtube.com/watch?v=Sv8AolXA3Vk&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=9&pp=iAQB) |
|  | [Sensory Memory (Iconic, Echoic and Haptic Memory) with Example](https://www.youtube.com/watch?v=mV5i4dIhjqs&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=10&pp=iAQB) |
|  | [Long Term Memory (Episodic and Semantic Memory) with Example](https://www.youtube.com/watch?v=xDaPsr0Izeo&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=11&pp=iAQB) |
|  | [Type 3: Short Tem Memory with Examples](https://www.youtube.com/watch?v=auI7TQBxyE4&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=12&pp=iAQB) |
|  | [General Factors Affecting on Human Memory with Examples](https://www.youtube.com/watch?v=emRS0rJmf5E&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=13&pp=iAQB) |
|  | [Human Emotions with Examples | Emotions Recognitions](https://www.youtube.com/watch?v=CbCpm3SIRWM&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=14&pp=iAQB) |
|  | [Human Errors | Types | Sources | safety with Examples](https://www.youtube.com/watch?v=NITIjFlGau4&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=15&pp=iAQB) |
|  | [Individual Differences with Examples](https://www.youtube.com/watch?v=HJhx_jyXrDM&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=16&pp=iAQB) |
|  | [Thinking and Reasoning | Deductive | Inductive | Abductive Reasoning with Examples](https://www.youtube.com/watch?v=GAfvSQFApwM&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=17&pp=iAQB) |
|  | [Problem Solving (Gestalt, Problem Space and Analogy Theory) Types with Examples](https://www.youtube.com/watch?v=WU111xfRWdU&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=18&pp=iAQB) |
|  | [Psychology, Design and Career Goals in Human Computer Interaction](https://www.youtube.com/watch?v=90dSeG6TZhQ&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=19&pp=iAQB) |
|  | [Interaction in Human Computer Interaction | Interaction Goals, Scope, Design](https://www.youtube.com/watch?v=vd6q1ozonik&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=20&pp=iAQB) |
|  | [Models of Interaction Framework (Abowed and Beale’s Model) with Example](https://www.youtube.com/watch?v=eXLnd2N2zok&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=21&pp=iAQB) |
|  | [Donald Norman’s Model (Execution and Evaluation Loop Framework) with Example](https://www.youtube.com/watch?v=_RnuN-e1wsk&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=22&pp=iAQB) |
|  | [Ergonomics with Examples | Ergonomics vs Human Factors](https://www.youtube.com/watch?v=clEamOgt7X8&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=23&pp=iAQB) |
|  | [Interaction Styles Part-1 (Command Line Natural Language, Menu, Queries)](https://www.youtube.com/watch?v=3fZAG4sXaXk&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=24&pp=iAQB) |
|  | [Interaction Styles Part-2 (Form Fills, Spreadsheets, Point)](https://www.youtube.com/watch?v=VAvjNzWTxAw&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=25&pp=iAQB) |
|  | [WIMP (Windows, Icons, Menus and Pointers) Interface with Examples](https://www.youtube.com/watch?v=BNx8CyHGaM8&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=26&pp=iAQB) |
|  | [Paradigms of Interaction with Examples](https://www.youtube.com/watch?v=zL3egU_kYV4&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=27&pp=iAQB) |
|  | [Interactivity and Context of Interactions with Examples](https://www.youtube.com/watch?v=m2AsX6A_sv0&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=28&pp=iAQB) |
|  | [Users Experience and Elements of User Experience with Example](https://www.youtube.com/watch?v=SoTLNrkDN4U&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=29&pp=iAQB) |
|  | [Career / Future in Human Computer Interaction Field](https://www.youtube.com/watch?v=_5FVbWHSaQo&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=30&pp=iAQB) |
|  | [Design and Interaction Design Process | Golden Rules and Frameworks](https://www.youtube.com/watch?v=lynY6tW7FSo&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=31&pp=iAQB) |
|  | [HCI in Software Design Process (Models and Life Cycle)](https://www.youtube.com/watch?v=QCUnjApFSfs&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=32&pp=iAQB) |
|  | [User Focus, Scenarios, Navigation Design, Screen Design and Layouts in HCI](https://www.youtube.com/watch?v=X8hJ2RzgWK8&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=33&pp=iAQB) |
|  | [Prototyping Techniques with Examples Part-1](https://www.youtube.com/watch?v=VsdsrQMzsFQ&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=34&pp=iAQB) |
|  | [Type of Prototyping Techniques (Low, Medium and High Fidelity) with Example Part-2](https://www.youtube.com/watch?v=LsEas9PeSrQ&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=35&pp=iAQB) |
|  | [Rapid Prototyping (online and Offline) Technique with Example Part-3](https://www.youtube.com/watch?v=g-4kh362rlQ&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=36&pp=iAQB) |
|  | [Wire-Framing Technique with Examples](https://www.youtube.com/watch?v=-0-At_dg8sA&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=37&pp=iAQB) |
|  | [Model-View-Controller (MVC) Working with Examples](https://www.youtube.com/watch?v=p8S79aWZdcQ&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=38&pp=iAQB) |
|  | [Principles That Supports Usability | Design Standards and Design Guide Lines](https://www.youtube.com/watch?v=lDnDVnMiA8c&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=39&pp=iAQB) |
|  | [Shneiderman’s 8 Golden Rules with Examples](https://www.youtube.com/watch?v=Eo8PYiTAgSA&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=40&pp=iAQB) |
|  | [Norman’s 7 Principles | Nielsen’s 10 Heuristic Design Principles with Examples](https://www.youtube.com/watch?v=2iRHTWUxIeg&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=41&pp=iAQB) |
|  | [User Interface Management System | The Seeheim Model | The PAC Model](https://www.youtube.com/watch?v=-tA1IztHLNQ&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=43&pp=iAQB) |
|  | [Evaluation Techniques | Evaluation Criteria with Examples](https://www.youtube.com/watch?v=cyr9Cm0ayrw&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=44&pp=iAQB) |
|  | [Goal and Task Hierarchies Model | Linguistic Model | Physical and Device Model](https://www.youtube.com/watch?v=alq5NxW_HK0&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=45&pp=iAQB) |
|  | [Hierarchical Task Analysis (HTA) Model with Examples](https://www.youtube.com/watch?v=ZVCwynpdCn8&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=46&pp=iAQB) |
|  | [Diagrammatic Dialog Design Notations | Computer Mediated Communication](https://www.youtube.com/watch?v=H3DChgIMptg&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=47&pp=iAQB) |
|  | [Identify and Observer Bad Designs](https://www.youtube.com/watch?v=HoD1wiRuwZo&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=50&pp=iAQB) |
|  | [The Jugad: To Identify Creative Things](https://www.youtube.com/watch?v=WT9sKKG-Vgw&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=51&pp=iAQB) |
|  | [Feedback and Constraints (Identify Products Offering Feedback and Constraint)](https://www.youtube.com/watch?v=l4lXJsa8uAw&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=52&pp=iAQB) |
|  | [Create Paper Based Prototype and Wire Frame Using Software | Figma](https://www.youtube.com/watch?v=dLDzSp-F14g&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=53&pp=iAQB) |
|  | [Evaluation of Interface (Evaluate Products as Per Shneiderman’s 8 Golden Rules)](https://www.youtube.com/watch?v=OFm0t1v7saU&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=54&pp=iAQB) |
|  | [Human Computer Interaction Research and Project Ideas](https://www.youtube.com/watch?v=E908IQrayPI&list=PLQ-nEJNYlEV1CfTcLCx_S7D2of3QAsvTT&index=55&pp=iAQB) |