



Course Name	Software Architecture
References	<ol style="list-style-type: none"><li>1. L. Bass, P. Clements, and R. Kazman, "Software Architecture in Practice," 3rd Edition, Addison-Wesley, 2013.</li><li>2. R. C. Martin, "Clean Architecture- A Craftsman's Guide to Software Structure and Design," Pearson Education Inc., 2017.</li><li>3. G. Fairbanks, "Just Enough Software Architecture," Marshall and Brainerd, 2010.</li><li>4. R. N. Taylor, N. Medvidovic, and E. M. Dashofy, "Software Architecture: Foundations, Theory, and Practice," John Wiley &amp; Sons, 2010.</li><li>5. S. Brown, "Software Architecture for Developers," Leanpub, 2012.</li></ol>
Course instructor	Dr. Mohammad Mehdi Esnaashari Esfahani
Syllabus	<ol style="list-style-type: none"><li>1. Software architecture definition, drivers, and non-functional requirements</li><li>2. Available design tactics for each non-functional requirement</li><li>3. Architectural patterns</li><li>4. Clean architecture, layers in a software system, and dependency between layers</li><li>5. Software architecture and agile projects</li><li>6. Designing an architecture</li><li>7. Documenting an architecture</li><li>8. Analyzing an architecture</li><li>9. Software product line</li><li>10. Service-oriented architecture</li><li>11. Cloud-computing architecture</li><li>12. Architectures for the edge</li></ol>