



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

(An Institution of National Importance under NITs Act, Established by Govt. of India)

मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर

JLN Marg, Jaipur-302017 (India)

Code: CST311	Software Engineering	Credit: 03
		L-T-P: (3-0-0)
Course Content	<p>Engineering paradigms.</p> <p>System analysis: Feasibility study requirement analysis, Cost benefit analysis, Planning systems, Analysis tools and techniques.</p> <p>System Design: design fundamentals, Modular Design, Data and procedural design, object oriented design.</p> <p>System Development: Code documentation, Program design paradigms.</p> <p>Verification, Validation and Testing: testing methods, Formal Program Verification, Testing Strategies. Software Maintenance: Maintenance Characteristics, Maintainability, Maintenance tasks and side effects.</p>	
Important Text Books/References	<ol style="list-style-type: none">1. Pressman R.S: Software Engineering: A Practitioner approach, McGraw Hill.2. Sommerville I: Software Engineering, Addison Wesley3. Ghezzi C. Jazayeri M and Mandrioli: Fundamentals of Software Engg. , PHI.	