

Software Engineering - Books

1. Software Engineering

– By **Martin L. Shooman**

McGraw-Hill International Editions

Computer Science Series

2. Software Engineering – A Practitioner's Approach

– By **Roger S. Pressman**

McGraw-Hill International Editions

Computer Science Series

3. Software Engineering
 - By Ian SommervillePearson Education Asia
4. An Integrated Approach to Software Engg.
 - By Pankaj JaloteNarosa Publishing House
5. Introduction to System Analysis and Design
 - By I.T. HawryzkiewiczP.H.I

6. S/W Engg. An Engineering Approach
- By J.F. Peters and W. Pedrycz
Wiley Student Edition

7. S/W Engg.
- By K.K. Aggarwal & Y. Singh
New age international Publishers

Contents

- Introduction
- S/W **vs.** S/W Engg.
- S/W Quality
- S/W Development Life Cycle/Phases/Steps
- S/W Development Models
- S/W Design
 - System Design
 - Program Design

Content

- Structured Program Design
- Cost Benefit Analysis
- Cost Models
- Structure Charts
- CASE Tools(E-RD, DFD, Process etc.)
- Object Oriented Modeling and Design
- S/W Reliability
- S/W Availability

Content

- S/W Repairability
- S/W Redundancy
- S/W Complexity
- S/W Testing Technique and Strategy