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 Sommerville

   Pearson Education Asia

4. An Integrated Approach to Software Engg.
   - By Pankaj Jalote

   Narosa Publishing House

5. Introduction to System Analysis and Design
   - By I.T. Hawryzkiewycz

   P.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