Topics Covered

1. What are requirements?
2. Characteristics of good requirements
3. Top level Requirements Engineering process
4. Major tasks of the Requirements Engineering process
5. Major causes of Requirements Engineering problems
6. Requirements Engineering in the SW CMM and in the CMMI
7. Requirements Engineering in different lifecycles (Waterfall, Incremental, Spiral, …)
8. What is elicitation
9. Identifying Stakeholders
10. Business Case for system
11. Identifying System functions
12. Scenarios/Threads/Use Cases
13. System Performance
14. Constraints (domain, organizational, political, …)
15. System Operating Environment
16. Recording rationale
17. Major tasks of Requirements Analysis
18. Defining system boundaries
19. Requirements traceability
20. Change management
21. Behavior models
22. Dynamic Models
23. Structural Models
24. Data dictionaries
25. Structured Analysis
26. Object Oriented Analysis