



Course Outline for Induction Training for Software Engineers Trainees

1. Programming for Success
 - a. Coding Standards – header, annotation, naming, defect prevention, efficiency considerations
 - b. GUI considerations, Navigational Aspects
 - c. Handling Printing
 - d. Tips and Tricks
2. Intro to Software Engineering Methodologies
 - a. Intro to Software Life Cycles
 - i. Waterfall
 - ii. Incremental
 - iii. Prototyping
 - iv. Spiral
 - b. SSADM
 - c. RUP
 - d. Agile Methods
3. Software Quality Assurance
 - a. Quality Concepts
 - b. Peer Reviews and Code walkthroughs
 - c. Software Testing
 - d. Intro to Personal Software Process
 - e. Benchmarking
 - f. Process Improvement
4. Productivity
 - a. Productivity Concepts
 - b. Introduction to Software Estimation
 - c. Effort Estimation using Task Based Estimation
5. Personality Aspects
 - a. Personal Grooming & Character Building
 - b. Interpersonal Relations
 - c. Communication – Oral and Written
 - d. Documentation
 - e. Progress Reporting
 - f. Client Handling
 - g. Time Management
 - h. Grievance Mitigation
 - i. Performance Reporting