



Seminar Series on “Software Engineering Excellence”:

Bridging the Skill Gap between Academy and Industry

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IEEE-SFIT is conducting a seminar series on “Software Engineering Excellence” with the purpose to bridge the skill gap of students between academic life and software professional life. This seminar series is aimed for students who intend to join IT companies after completing their engineering. Join IEEE-SFIT to avail these benefits and much more.

The seminar series will cover the following modules:

Module 1: Transitioning from Academic Life to Software Corporate Life

Contents: Introduction to Software Engineering; Real world examples; Software Development Life Cycle Models – Waterfall, Iterative, Agile, Scrum; Roles in a Software Organization; Phases of Software Release; Engineering Competencies; Performance Appraisal, Career Growth

Module 2: Software Development Fundamentals and Best Practices

Contents: Programming Concepts; Source Code Versioning; Quality Coding via Interactive exercises; Code Profiling; Debugging; Testing; Types of Testing; Bug Fixing; Quick Fix Engineering; Secure Coding – preventing Buffer Overflow and other common attacks; Software Design Patterns; Think International

Module 3: Collaboration – Enhancing Teamwork Skills

Contents: Understanding other’s Roles in a Software Organization; Productive Cross-Discipline Relationships; Interactive Team Meeting exercises; Interactive Bug Triage exercises; Interactive Bucket Survivor exercises

Module 4: Communication Strategies – Listen, Persuade, Negotiate

Contents: Listening and Verbal Communication; Importance of Networking; Effective Technical Writing; Communicating effectively via Email; Interactive exercises on listening, persuasion and negotiating skills

Module 5: Facing Interviews of IT Companies

Contents: Competencies and Skills expected from a Candidate; Tips for facing Interviews Confidently; Interactive exercises on Interviews; Tips for securing a Job Offer

The **outcome** of this seminar series is to enable students to be able to secure a job offer from software companies, work productively and be an asset to their employer, and enrich their career growth.

IEEE-SFIT Coordinator

Principal, SFIT

Director, SFIT