

XP

EXTREME PROGRAMMING

- This course presents the latest in streamlined software development practices that define the eXtreme Programming methodology.
- You will be provided with a pragmatic insight into the rules and practices of XP and how, when taken to the extreme, your developments can benefit.
- The technical explanation of XP is combined with interactive workshop sessions, exercises and examples to emphasise its practical application.
- This course is a one-day formal training session designed for qualified/practicing software engineers, team leaders and software managers and can be tailored to meet specific requirements.

COURSE OUTLINE

Introduction:

- Focus of XP
- XP Workflow

Managing XP Developments:

- Scope control 🖐
- Release planning 🖐
- Development iterations
- Project velocity
- Groupware development

Designing with XP:

- System metaphor 🌐
- CRC cards 🖐
- Spike solutions 🌐
- KISS - simplest design 🌐
- Refactoring

Testing with XP:

- Automated testing 🖐
- Test frameworks
- The test-release cycle
- Acceptance tests

Coding with XP:

- Customer involvement
- Test harness - first
- Pair programming 🖐
- Sequential & continuous integration
- Collective code ownership
- Code optimisation

Practical Sessions:

🌐 Real-world case studies are reviewed to give further incite into the applied use of key techniques and mechanisms

🖐 Hands-on workshop exercises are undertaken for these topics to gain a more practical appreciation

