COURSE TABLE OF CONTENTS

Estimation Techniques

OEM: Koenig Original • Duration: 1 Day (8 hrs)

COURSE MODULES & TOPICS

Module 1: Introduction to Estimation

- Objectives of software estimation
- Purpose and importance in software projects

Module 2: Common Estimation Pitfalls and Thumb Rules

- Eight deadly sins of software estimation
- Misconceptions in estimation
- Thumb rules for effective estimation

Module 3: What Do We Estimate?

- Project size estimation
- Effort estimation
- Duration and schedule estimation
- Cost estimation

Module 4: Estimation Principles and Key Ingredients

- Fundamental estimation principles
- Essential considerations and assumptions
- Factors influencing estimation accuracy

Module 5: Estimation Roles and Approaches

- Roles and responsibilities in estimation
- Required skills for estimation
- Approaches to software project estimation

Module 6: Overview of Estimation Techniques

- Types of software estimation techniques
- Applicability of techniques
- Selecting appropriate estimation techniques

Module 7: Estimating Size, Effort, Schedule and Cost

- Project size and effort estimation
- Resource planning
- Scheduling techniques
- Project cost estimation

Module 8: Comparing Estimation Models

- Understanding estimation models
- Pros and cons of various models
- Evaluating estimation models

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Module 9: Estimation for Different Project Types

- Fresh development project estimation
- Reengineering and migration estimation
- Maintenance and enhancement estimation

Module 10: Estimation Tools, Best Practices and Case Study

- Estimation tools overview
- Practical application and tips
- Common challenges in estimation
- Case study and recommended resources
- Q&A session