Mindluster Platform

About the course Software engineering fundamentals

Course Presenter : Trouble Free

Unlock the foundational principles of Software Engineering with this comprehensive online course designed for aspiring professionals in the field of Computer Science. Whether you are starting your journey or seeking to strengthen your core technical skills, this program offers valuable insights and practical knowledge essential for career growth in the dynamic tech industry. Throughout this training course, you will learn how to design, develop, and maintain robust software solutions. The course covers essential topics such as software development life cycle, coding best practices, system architecture, and project management. Gain a solid understanding of key concepts that are critical for success in software engineering roles, and build a strong foundation for advanced learning and specialization. This course is ideal for students, recent graduates, or working professionals in the Middle East, including Saudi Arabia and the UAE, who want to enhance their Computer Science expertise and expand their career opportunities. It is also suitable for those transitioning into software engineering from related fields or seeking a professional certification to validate their skills. Choosing this course on our platform ensures you receive high-quality training from industry experts, with flexible online learning options tailored to your schedule. Our certified course provides a recognized qualification that can boost your professional profile and open doors to new career pathways. Graduates of this program are well-equipped to pursue careers in software development, system analysis, quality assurance, and technical consulting. The skills acquired can help you secure roles in leading tech companies or start your own innovative projects. Upon completion, you will receive a professional certificate that validates your understanding of software engineering fundamentals and demonstrates your commitment to continuous learning. Enroll today to take the next step in your career in Computer Science and unlock new opportunities for professional growth. Trouble Free

Computer Science Category's Courses

Course Lesson(52)

Lesson 1 : **1 Introduction To Software Engineering Characteristics Evolving role Of Software SE**

Lesson 2 : **2 Changing Nature Of Software SE**

Lesson 3 : **3 Legacy Software SE**

Lesson 4 : **4 Software Myths Customer Management Developer SE**

Lesson 5 : **5 Software Engineering A Layered Technology 4 layers SE**

Lesson 6 : **6 Process Framework 5 Framework Activities SE**

Lesson 7 : **7 Process Framework the 8 Umbrella Activities SE**

Lesson 8 :
35 Capability Maturity Model Integration CMMI Level 0 to Level 4 in Contemporary Management MS

Lesson 9 : **9 Process Patterns In Software Engineering SE**

Lesson 10 : **10 Process Assessment In Software Engineering With Diagram SE**

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Lesson 12 : **12 Process Models in Software Types SDLC its Phases SE**

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Lesson 19 : **19 Software Requirements Functional Non Functional Requirements SE**

Lesson 20 : **20 User Requirements with Example in Software Engineering SE**

Lesson 21 : **21 System Requirements and Interface Specification with Example SE**

Lesson 22 : **22 Software Requirement Specification Document with Example SE**

Lesson 23 : **23 Requirement Engineering Process with Example SE**

Lesson 24 : **24 Feasibility Study Steps Techniques in Software Engineering with Example SE**

Lesson 25 : **25 Requirement Elicitation and Analysis Steps Techniques and Example SE**

Lesson 26 : **26 Requirement Validation Steps Techniques in Software Engineering with Example SE**

Lesson 27 :
27 Requirement Management Steps Techniques in Software Engineering with Example SE

Lesson 28 : **28 Design Process in Design Engineering with Example SE**

Lesson 29 : **29 Design Quality in Design Engineering with Example SE**

Lesson 30 : **30 Design Concepts 9 Principles in Design Engineering with Example SE**

Lesson 31 : **31 Design Models in Design Engineering with Example SE**

Lesson 32 : **A Strategic Approach to Software Testing in Software Engineering SE**

Lesson 33 : **Testing Strategies for Conventional Software The Spiral Model and Types Of Testing SE**

Lesson 34 : **Black Box Testing in Software Testing with Example SE**

Lesson 35 : **White Box Testing in Software Testing with Example SE**

Lesson 36 : **Validation Testing in Software Testing with Example SE**

Lesson 37 : **Software Risks Strategies Types Risk Management SE**

Lesson 38 : **Risk Identification Risk Projection Risk Refinement SE**

Lesson 39 : **RISK MITIGATION MONITORING MANAGEMENT RMMM RMMM PLAN SE**

Lesson 40 : **Quality Concepts in Software Engineering SE**

Lesson 41 : **Software Quality Assurance SQA Activities of SQA SE**

Lesson 42 : **Software Reviews Types Formal Technical Reviews FTR SE**

Lesson 43 : **Software Reliability Statistical Software Quality Assurance SE**

Lesson 44 : **ISO 9000 Quality Standards Types Registration process SE**

Lesson 45 : **System Testing in Software Testing with Types and Example SE**

Lesson 46 : **The Art of Debugging in Software Engineering SE**

Lesson 47 : **Software Measurements and Metrics Types Of Metrics in Software Engineering SE**

Lesson 48 : **Metrics For Analysis Model with Formulae and Example SE**

Lesson 49 : **Metrics For Design Model with Formulae and Example SE**

Lesson 50 : **Metrics For Source Code with Formulae and Example SE**

Lesson 51 : **Metrics For Testing Model with Formulae and Example in Software Engineering SE**

Lesson 52 : **Metrics For Maintenance with Formulae and Example in Software Engineering SE**

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