Mindluster Platform

About the course Software Engineering Basics

Definition: Software engineering is a detailed study of engineering to the design, development and maintenance of software. Software engineering was introduced to address the issues of low-quality software projects. Problems arise when a software generally exceeds timelines, budgets, and reduced levels of quality.

Programming Category's Courses

Course Lesson(84)

Lesson 1 : **Software Engineering Basics**

Lesson 2 : **Overview of Software Engineering**

Lesson 3 : **Software Evolution**

Lesson 4 : **Software Evolution Laws**

Lesson 5 : **E Type Software Evolution**

Lesson 6 : **Software Paradigms**

Lesson 7 : **Need of Software Engineering**

Lesson 8 : **Characteristics of Good Software**

Lesson 9 : **Software Development Life Cycle**

Lesson 10 : **Software Development Paradigm**

Lesson 11 : **Waterfall Model**

Lesson 12 : **Structured Evolutionary Prototyping Model**

Lesson 13 : **Incremental Model**

Lesson 14 : **Rapid Application Development RAD**

Lesson 15 : **Spiral Model**

Lesson 16 : **V Model**

Lesson 17 : **Scrum Development Model**

Lesson 18 : **Big Bang Model**

Lesson 19 : **Software Project Management**

Lesson 20 : **Need of Software Project Management**

Lesson 21 : **Software Project Manager**

Lesson 22 : **Software Project Management Activities**

Lesson 23 : **Project Estimation**

Lesson 24 : **Project Estimation Techniques**

Lesson 25 : **Project Scheduling**

Lesson 26 : **Resource Management**

Lesson 27 : **Project Risk Management**

Lesson 28 : **Project Execution and Monitoring**

Lesson 29 : **Project Communication Management**

Lesson 30 : **Configuration Management**

Lesson 31 : **Project Management Tools**

Lesson 32 : **Critical Path Analysis**

Lesson 33 : **Requirement Engineering Process**

Lesson 34 : **Requirement Elicitation Techniques**

Lesson 35 : **Software Requirements**

Lesson 36 : **User Interface Requirements**

Lesson 37 : **Software Metrics and Measures**

Lesson 38 : **Software Design Levels**

Lesson 39 : **Modularization**

Lesson 40 : **Cohesion and Coupling**

Lesson 41 : **Software Quality Attributes**

Lesson 42 : **Data Flow Diagram**

Lesson 43 : **Structured Charts**

Lesson 44 : **HIPO Diagram**

Lesson 45 : **Structured English**

Lesson 46 : **Pseudo Code**

Lesson 47 : **Decision Tables**

Lesson 48 : **Entity Relationship Model**

Lesson 49 : **Data Dictionary**

Lesson 50 : **Structured Design**

Lesson 51 : **Function Oriented Design**

Lesson 52 : **Object Oriented Design**

Lesson 53 : **Software Design Approaches**

Lesson 54 : **Software User Interface Design**

Lesson 55 : **Command Line Interface CLI**

Lesson 56 : **Graphical User Interface**

Lesson 57 : **User Interface Golden Rules**

Lesson 58 : **Halstead s Complexity Measures**

Lesson 59 : **Cyclomatic Complexity Measures**

Lesson 60 : **Function Point**

Lesson 61 : **Structured Programming**

Lesson 62 : **Functional Programming**

Lesson 63 : **Programming Style**

Lesson 64 : **Software Documentation**

Lesson 65 : **Software Validation and Verification**

Lesson 66 : **Manual Vs Automated Testing**

Lesson 67 : **Testing Approaches**

Lesson 68 : **Black Box Testing**

Lesson 69 : **White Box Testing**

Lesson 70 : **Testing Levels**

Lesson 71 : **Testing Documentation**

Lesson 72 : **Software Maintenance Overview**

Lesson 73 : **Types of Maintenance**

Lesson 74 : **Cost of Maintenance**

Lesson 75 : **Maintenance Activities**

Lesson 76 : **Software Re engineering**

Lesson 77 : **Component Reusability**

Lesson 78 : **CASE Tools**

Lesson 79 : **Components of CASE Tools**

Lesson 80 : **Scope of CASE Tools**

Lesson 81 : **Tutorix Simply Easy Learning Steps**

Lesson 82 : **Tutorix Brings Simply Easy Learning**

Lesson 83 : **Tutorix Brings Simply Easy Learning**

Lesson 84 : **Tutorix Brings Simply Easy Learning**

Related courses

React Projects Workshops

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Social Network Theme UI With Sass

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