



12207 - Unit 1 - JWM - 9801

× Software Engineering

- x Definition
- x Model

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- x Relationship to other Disciplines
- x Software Engineering Standards
- x Software Engineering Standards Developers

Software engineering: Definition

(1) The application of a systematic, disciplined, quantifiable approach to the development, operation and maintenance of software, that is, the application of engineering to software

(2) The study of approaches as in (1)

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Software engineering standards: Importance

- They consolidate existing technology into a firm basis for introducing newer technology
- x They increase professional discipline
- x They protect the business
- x They protect the buyer
- x They improve the product





- x Improve and evaluate software competence
- × Framework for two-party agreements
- x Evaluation of software products
- x Assurance of high integrity levels for software products



– Part 3 – Software engineering standards developers

- x Software Engineering
- x Software Engineering Standards
- × Software Engineering Standards Developers
 - x International : ISO/JTC1/SC7 and others
 - × US: IEEE and others







