
Software Engineering: An Introduction

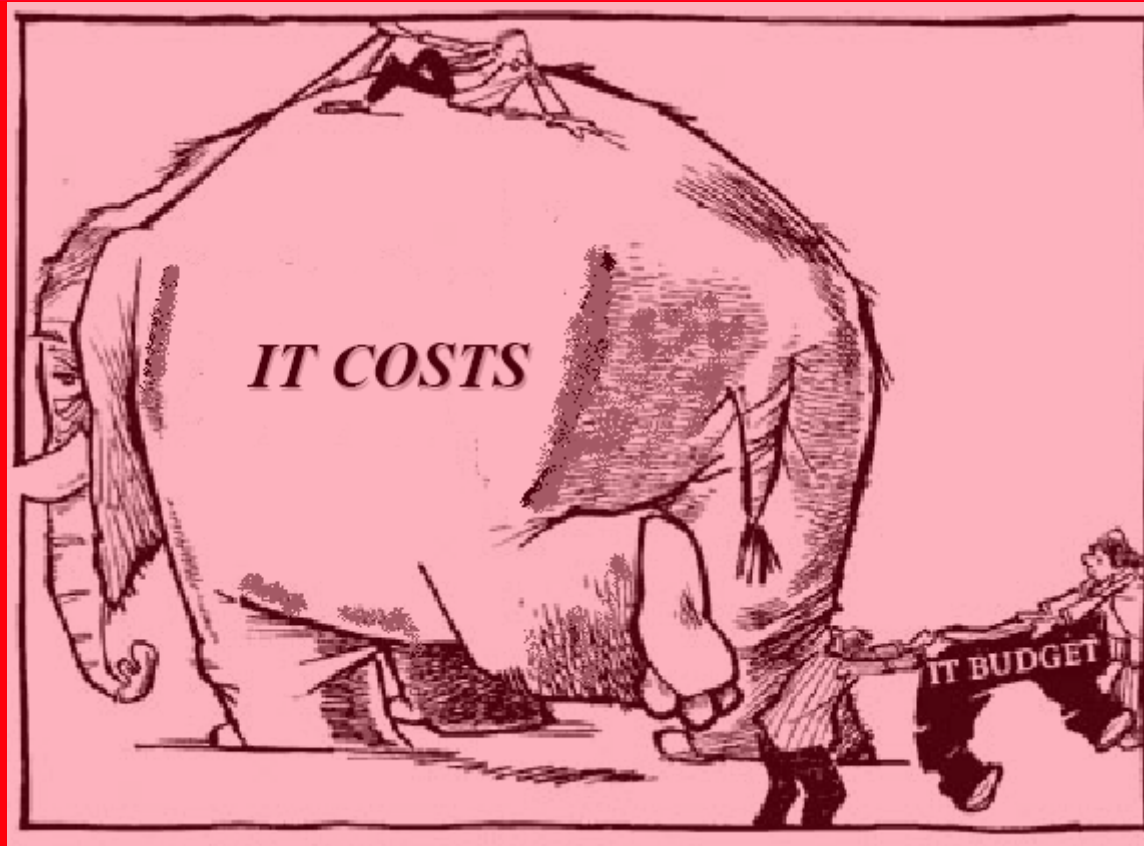
By:
Prof. Dr. Eng. Ghazy Assassa,
CMC-IMC
Certified Management Consultant,
Institute of Management Consultancy, UK

Email: ghazy@ccis.ksu.edu.sa
Mobile: 0502862400

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- The following references were mostly used in the preparation of the course; the order reflects the intensity of usage:
 - Ian Sommerville: Software Engineering, 7th edition, Addison-Wesley, 2005.
 - Ghazy Assassa: Software Engineering Course notes, 2007.
 - Roger Pressman: Software Engineering, McGraw-Hill, 2005.
 - Larman C.: Applying UML and Patterns – An Introduction to Object-Oriented Analysis and Design and Iterative development, 3rd edition, Prentice Hall, 2005.
 - Stazinger J., Jackson R., Burd S.: Object Oriented Analysis and Design with the Unified Process, Course Technology, 2005.
 - Bennet S., McRobb S., Farmer, R.: Object Oriented Systems Analysis and Design using UML, 3rd edition, McGraw-Hill, 2006.
 - Dennis A., Wixom B., Tegarden D.: Systems Analysis and Design with UML 2.0, An Object Oriented Approach, 2nd ed, John Wiley, 2005.
 - Lethbridhge T., Lagraniere R.: Object Oriented Software Engineering (using UML and Java), 2nd edition, McGraw-Hill, 2005.
 - Some information were taken from the following sites:
 - The Software Engineering Institute (SEI) at Carnegie Mellon University.
 - The Institute of Electrical and Electronics Engineers (IEEE)

Budget & Cost



Software Engineering

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