Software Engineering
Lecture and Exercise

Winter Semester 2013/14

Prof. Dr.-Ing. Madjid Fathi
M.Sc. Fazel Ansari

Time: Thursdays 14:00 – 18:00

Begin: November 07, 2013

Registration: Students should register in the first lecture

Room: H-A-8107

Language: English

Topics:

Software Development Lifecycles, SW Process Models, SW Project Management, SW Requirements Engineering, SW Design, Implementation and Programming, SW Testing & Quality Management

Contents:

What makes a software project succeed? It takes more than a good idea and a team of talented programmers. A project manager needs to know how to guide the team through the entire software project. *Software Project Management* is the art and science of planning and leading software projects. It requires knowledge of entire software development lifecycle from defining the task to testing the end product.

The goal of this course is to learn and practice Software Project Management and **improve the teamwork skills** of students through a project work. The course consists of lectures and certain project work containing oral presentation and written report. In this course we provide an introduction to Software Project Management area so that a student particularly Mechatronics and Engineering student can guide a team and run successful software projects.

Literature:

- o Software Engineering Design: Theory and Practice, C.E. Otero, CRC Press, 2012.
- o Agile Project Management, J. Highsmith, 2nd Ed., Addison-Wesley, 2010.
- o Applied Software Project Management, A. Stellman & J. Greene, O'REILLY, 2005.
- o Software Project Management: A Unified Framework, W. Royce, Addison-Wesley, 1998.

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