Attending SE course in PUT

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13th Workshop
"Software Engineering Education and Reverse
Engineering"

Bansko,Bulgaria
26-31 August 2013

To be covered...

- Polytechnic University of Tirana
- SE course:
 - Bachelor Studies
 - Master Studies JCSE
- Impressions and Benefits
- Assignments and Teamwork
- Conclusions and Suggestions

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Polytechnic University of Tirana

- The only Polytechnic University in Albania.
- Second largest Higher Education Institute.
 - Average Enrollment ~ 10 000 Students per year.
 - Lectures in Native Language.
 - 6 Faculties, and 1 R&D Institution.
- Faculty of Information Technology.
 - Dep. of Computer Engineering
 - Dep. Of Electronics and Telecommunications.

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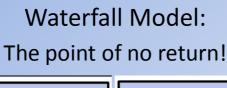
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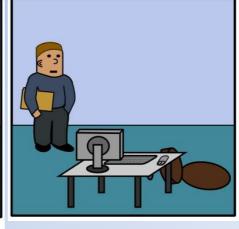
SE Course in B.Sc.:

- Taught in Native Language.
- + English Literature Used.
- Essential Basic Intro to Software Engineering.
- + 3 hours a week for 14 weeks.
- Waterfall Model was introduced...but what if:

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SE Course in M.Sc.:

- + Taught in English Language.
- + English Literature/Slides.
- Twice as much enrolled students than before.
- Intensive Course for one week.
 - On average 5 hours per day.(excluding breaks)
- Not only SE topics:
 - + Lecturers introduced their university organization.
 - + Share Personal Experience on some topics.

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Impressions and Benefits:

- Before JCSE:
- Theoretical Software Development Guidelines.
- One Design process Used: Waterfall Method

Junior SW Development Motto:

"Software and cathedrals are much the same, first we build them, then we pray."

-Anonymous

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1:

How a Junior Programmer Develops a SW. THE LIFE OF A SOFTWARE ENGINEER. CLEAN SLATE. SOLID FOUNDATIONS. THIS TIME I WILL BUILD THINGS THE RIGHT WAY. Bansko, BG August 2013

Impressions and Benefits (2):

- After JCSE:
 - + Theoretical knowledge is broaden.
 Examples and Materials from various books.
 Feedback based development, (V-Model)
 - + Slides delivered after each day.
 - + Practicing what we learned.3 out of the 4 Assignments were tool-based.

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Assignments and Teamwork

- Teams of 5 members.
- 4 Assignments in total.
 - 1. Requirements Specification Review
 - 2. Functional Testing: CTE XL
 - 3. Structural Testing: SOTA Tool
 - 4. Software metrics: SOTA vs. CCCC tool.
- 4th Assignment, no live meetings.
 - + But we managed to carry on , by using trello.com
 - No equivalent contribution , by team members.

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Conclusion & Suggestions

- · Enriching experience with the foreign professors.
- Overall, Colleagues/Mine Opinion: Very Satisfied
- Intensive Course not that productive:
 - Increase time-span to at least 2 weeks.
- All topics should be represented:
 - 15 presented / 24 possible. (Curious for the 9 left.)



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Special Thanks:

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- ❖ Prof. Zoran Putnik
- ❖ Prof. Elinda Kajo
- ❖ To all of you for your attention.

Any Questions?

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