

Birth of Mobile Academy

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Abstract

Today, we can say that smart phones and other smart devices are widely spread including smart TVs which become part of everyday life. Rapid changes of our running world are well noticeable on the dizzying development of IT devices. Appearing installable operating systems on the smart devices there is a necessary requirement to be available for software professionals as well.

It is proofed by the fact that there are more and more job advertisements for experts on this area. Even in the higher vocational education the mobile application development is more pronounced too. It is not acceptable that the universities' IT trainings do not deal with developing possibilities of different devices, and the students meet with this area only as an employee. Naturally our students in ELTE IK – as possible elsewhere too – could be familiar with the different mobile operating systems and characteristics of application development only on some special courses. Nevertheless these courses are not based on each other and most of them start from the beginning again and again because their mission is not to deepen the knowledge and to create complex applications. Getting to know with other smart or intelligent devices, as smart TV is not presented in these subjects.

Of course we know that the principals of the programming are not changed because of these new devices but there are some new features which cannot be ignored. We suppose that students have deep IT basic knowledge, the devices and basics of this field are well known them, so they are ready to use and improve it. Our plan is to create a new “Mobil Academy” block, which will be available to our students as a whole block with 16 credits.

Creating the syllabus of the new block first we have to review the basic knowledge from which the topics can be built. Here we think to the content of compulsory, eligible or special courses offered by different departments. Mobile Academy brings into focus the followings, based on the general available courses:

- Mobile platforms
- Reusing source code in multiplatform environment

- Designing and implementing complex projects
- Today's and future's Smart devices

We do not want to concurrent with the current courses but to deepen and integrate the student's knowledge in Mobile Academy. Primary aim of us is qualifying experts of professional mobile projects based on confident theoretical knowledge. The proposed topics are listed in the article and we present an example for the effective work.

Keywords: Mobile device, application development, teaching, smart device, multiplatform, project

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