Comenius University in Bratislava
Faculty of Mathematics, Physics and Informatics

THESIS ASSIGNMENT

Name and Surname: Askar Gafurov
Study programme: Computer Science (Single degree study, bachelor I. deg., full time form)
Field of Study: Computer Science, Informatics
Type of Thesis: Bachelor´s thesis
Language of Thesis: English
Secondary language: Slovak

Title: Image-based steganography using a mobile phone

Aim: The main goal of this thesis is the implementation of an application for a mobile platform that will allow its users to encode short messages into images shared on popular image-sharing websites. Focus should be placed on undetectability of such messages, good cryptographic practices, proper documentation, and possibly plausible deniability. Partial goals include, but are not limited to, the following:
1. Producing a sufficient overview of related topics in image-based steganography.
2. Producing a sufficient overview of applications similar to the intended one, analyzing their advantages and disadvantages.
3. Performing a requirements engineering phase, identifying key requirements and security concerns.
4. Designing, developing, and documenting the resulting application.

Supervisor: RNDr. Michal Forišek, PhD.
Department: FMFI.KI - Department of Computer Science
Head of department: doc. RNDr. Daniel Olejár, PhD.

Assigned: 25.10.2015

Approved: 27.10.2015   doc. RNDr. Daniel Olejár, PhD.
                                                        Guarantor of Study Programme

....
               Student   Supervisor