

FACULTY OF ENGINEERING

Course title: **CYBERSECURITY REQUIREMENTS ENGINEERING**

Project work assignment

1. Choose a software system (may be an existing system of a public institution, developed or used at one's workplace).
2. Carry out system architecture decomposition (draw a visual system decomposition architecture)
3. Use one of threat modelling methods. For example identify systems assets and draw attack trees, describe scenarios for attack vector detection and preventive actions.
4. If available, use master's thesis template for the document

Project work will consist of multiple pieces, all of them are required:

1. Documentation, prepared using template available in course materials (or master thesis template). Documentation will contain initial system decomposition architecture, description, data flow diagrams, process diagrams, attack trees (or other threat modelling method);
2. Presentation: 10-15 minutes for each student;

Project work assignment is the major task in this course.

Example of project: "I have chosen to analyze cybersecurity requirements of a mobile / web application / framework called "Insta-grump". This system provides its users with the image sharing services. Users can share their grumpy cat images on their profile, invite friends, share stories, live-message their grumpy cat friends".

Submitting: Student uploads practical assignment in moodle under the correct assignment.