

## I. IDENTIFICATION DATA

<b>Thesis title:</b>	<b>Environment for Evaluation of Automated Software Tests Effectiveness</b>
<b>Author's name:</b>	<b>Syrovatka Petr</b>
<b>Type of thesis :</b>	master
<b>Faculty/Institute:</b>	Faculty of Electrical Engineering (FEE)
<b>Department:</b>	Computer Science
<b>Thesis reviewer:</b>	Feras Daoud
<b>Reviewer's department:</b>	Computer Science

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>challenging</b>
<i>How demanding was the assigned project?</i>	
The topic "Environment for Evaluation of Automated Software Tests Effectiveness" suggests a demanding project. It requires understanding of testing methodologies, potentially complex data analysis, automation testing, UI testing, Combinatorial Interaction Testing (CIT).	

<b>Fulfilment of assignment</b>	<b>fulfilled</b>
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
Petr's thesis on "Environment for Evaluation of Automated Software Tests Effectiveness" has the potential to fully meet the assignment's goals. To assess this, see if the designed environment demonstrably fulfills its evaluation purpose and covers all required functionalities as outlined in the assignment. This evaluation will reveal how effectively Petr's work addresses the core assignment requirements.	

<b>Activity and independence when creating final thesis</b>	<b>B - very good.</b>
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
Petr's level of activity and independence can be assessed by looking at his enthusiasm, time management, consultation habits, and ability to work on his own. Did he demonstrate initiative in research and meet deadlines consistently? Did he consult regularly, come prepared, and show some ability to work independently? These points will help determine his overall work ethic and autonomy during the thesis process and the defense.	

<b>Technical level</b>	<b>B - very good.</b>
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
While Petr's thesis tackles a relevant technical area. It ensures the explanations are clear for someone with a software testing background, even if they aren't an expert in the specific environment.	

<b>Formal level and language level, scope of thesis</b>	<b>C - good.</b>
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
For a good to very good student like Petr, a closer look is needed regarding the formal aspects of his thesis. The writing should be cleared use vocabulary appropriate for software testing, but still understandable to a general reader.	

**Selection of sources, citation correctness****B - very good.**

*Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?*

Petr's thesis likely addresses referencing but might require some scrutiny. It clearly distinguishes Petr's original work, like the environment's design. Petr ensured all sources are correctly formatted according to the required style guide. This will solidify that Petr has appropriately integrated existing research and highlighted his own contributions.

**Additional commentary and evaluation (optional)**

*Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.*

### III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

The thesis is well-structured and innovative, and offering valuable insights, but could benefit from deeper analysis and better literature integration. earning it a "very good" grade.

Tackles a valuable topic with potential real-world impact. To achieve this, Petr's defense should address potential areas for evaluation: depth of technical analysis, originality of the environment compared to existing methods, and clarity of presentation for a software testing audience. Focus on these during questioning:

Does the thesis showcase a strong grasp of various testing methodologies and how they connect to effectiveness evaluation? Are the chosen evaluation techniques well-explained and demonstrably effective for the environment's purpose?

By showcasing the environment's functionalities and impact, Petr can elevate his work's value.

The grade that I award for the thesis is **B - very good**.

Date: **3.6.2024**

Signature: