THESIS SUPERVISOR'S REPORT

I. IDENTIFICATION DATA

Thesis title:	Avocado framework plugin for generatingcombinatorial interaction tests
Author's name:	Richter Jan
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Computer Science
Thesis reviewer:	Bestoun S. Ahmed Al-Beywanee
Reviewer's department:	Computer Science

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	**challenging**
How demanding was the assigned project?	

The project is highly related to the current trend in the market. It is also fully applicable as it has been done as part of larger industrial project.

Fulfilment of assignment	**fulfilled**
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.	

The student implemented what has been settled as objectives of the project at the beginning. The implementation is functional and already working with Red Hat.

Activity and independence when creating final thesis	**A - excellent.**
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.	

The student did his best for the implementation and also during the writing process. We should mention that due to the pandemic, there was some delay in writing due to the confusion. However, overall, I'm satisfied with the thesis writing and implementation.

Technical level	**A - excellent.**
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?	

The thesis is technically sound and the implementation of the Avocado has been presented clearly. The technical details have been checked and I'm satisfied with the content.

Formal level and language level, scope of thesis	**A - excellent.**
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?	

The writing has been revised several times. The language has been checked carefully. I cannot find major language mistakes in the paper, giving that the thesis has been written in English.

Selection of sources, citation correctness	**A - excellent.**
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?	

Reliable and up to date references has been used in the thesis from journals and conferences

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.

This thesis is about an interesting and new research topic in the software testing area. The solution developed and implemented is excellent for both research and technical communities. The combinatorial interaction testing feature implemented in the Avocado CIT plugin is an excellent effort towards practical and flexible testing. The student has made a great effort in the project by collaborating with the Red Hat engineering team in the Czech and the USA to verify the implemented solution. An academic paper has also been written and published in one of the best software testing conference, ICST2020. Overall, I think the student has made a great effort and the thesis meets the technical standards.

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

Summarize your opinion on the thesis and explain your final grading.

The grade that I award for the thesis is **A - excellent.**

Date: **21.8.2020**

Signature: **Bestoun S. Ahmed Al-Beywanee, Ph.D.**