Supervisor's statement of a final thesis

Czech Technical University in Prague

Faculty of Information Technology

Bc. Jiří Bican Student: Ing. Radomír Polách **Supervisor:**

Thesis title: Implementation of the ACB compression method improvements in the Java language

Branch of the study: Web and Software Engineering

Date: 31 1 2017

Evaluation criterion:	The evaluation scale: 1 to 5.
Difficulty and other comments on the assignment	1 = extremely challenging assignment, 2 = rather difficult assignment, 3 = assignment of average difficulty, 4 = easier, but still sufficient assignment, 5 = insufficient assignment
	ts. Comment what is difficult about this thesis (in case of a more difficult thesis, you may on the contrary, with an easy assignment those shortcomings should be evaluated more
Comments:	
The goal of this work was to implement ACB compression met	hod with some new ideas. The implementation was done as a
standalone Java application. The difficulty is average.	
Evaluation criterion:	The evaluation scale: 1 to 4.
2. Fulfilment of the assignment	 1 = assignment fulfilled, 2 = assignment fulfilled with minor objections, 3 = assignment fulfilled with major objections, 4 = assignment not fulfilled
Criteria description: Assess whether the thesis meets the assignment statement. In Comments indicate part the thesis beyond the original assignment. If the assignment was not completely fulfilled	ts of the assignment that have not been fulfilled, completely or partially, or extensions of d, try to assess the importance, impact, and possibly also the reason of the insufficiencies.
Comments:	
The experimental part should be larger and contain tests on m	ore corpuses. Time complexity is not addressed.
Evaluation criterion:	The evaluation scale: 1 to 4.
3. Size of the main written part	 1 = meets the criteria, 2 = meets the criteria with minor objections, 3 = meets the criteria with major objections, 4 = does not meet the criteria
Criteria description: Evaluate the adequacy of the extent of the final thesis, considering its content and the s does not contain unnecessary parts.	size of the written part, i.e. that all parts of the thesis are rich on information and the text
Comments: Without reservations.	
Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
4. Factual and logical level of the thesis	90 (A)
Criteria description: Assess whether the thesis is correct as to the facts or if there are factual errors and inacc the comprehensibility of the text for a reader.	curacies. Evaluate further the logical structure of the thesis, links among the chapters, and
Comments: The factual and logical level of the work is good. There is a fun	ny typo "George Buzanovsky" instead of "George Buyanovsky"
in the conclusion section.	
Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
5. Formal level of the thesis	70 (C)
Criteria description: Assess the correctness of formalisms used in the thesis, the typographical and linguistic a	aspect s, see Dean's Directive No. 14/2015, Article 3.
Comments: There are several typographical problems. Overflowing abstract	ct types atc. The text was not thoroughtly checked

There are several typographical problems. Overflowing abstract, typos, etc. The text was not thoroughtly checked.

Evaluation criterion: The evaluation scale: 0 to 100 points (grade A to F).

95 (A) 6. Bibliography

Criteria description:

Evaluate the student's activity in acquisition and use of studying materials in his thesis. Characterize the choice of the sources. Discuss whether the student used all relevant sources, or whether he tried to solve problems that were already solved. Verify that all elements taken from other sources are properly differentiated from his own results and contributions. Comment if there was a possible violation of the citation ethics and if the bibliographical references are complete and in compliance with citation standards.

References are relevant to work.

Evaluation criterion: The evaluation scale: 0 to 100 points (grade A to F). 7. Evaluation of results, 85 (B) publication outputs and awards Comment on the achieved level of major results of the thesis and indicate whether the main results of the thesis extend published state-of-the-art results and/or bring completely new findings. Assess the quality and functionality of hardware or software solutions. Alternatively, evaluate whether the software or source code that was not created by the student himself was used in accordance with the license terms and copyright. Comment on possible publication output or awards related to the thesis. The method verified suggested improvements to some extent. No evaluation scale. 8. Applicability of the results Criteria description: Indicate the potential of using the results of the thesis in practice. Comments: The work have to continue to improve both speed and compression ratio. The results will be more extensively verfied. The evaluation scale: 1 to 5. 9. Activity and self-reliance of the 9a: 1 = excellent activity, student 2 = very good activity, 3 = average activity, 4 = weaker, but still sufficient activity, 5 = insufficient activity 1 = excellent self-reliance, 2 = very good self-reliance, 3 = average self-reliance, 4 = weaker, but still sufficient self-reliance, 5 = insufficient self-reliance. Review student's activity while working on this final thesis, student's punctuality when meeting the deadlines and consulting continuously and also, student's preparedness for these consultations. Furthermore, review student's independency. Student activity was average. Evaluation criterion: The evaluation scale: 0 to 100 points (grade A to F). 10. The overall evaluation 75 (C) Summarize the parts of the thesis that had major impact on your evaluation. The overall evaluation **does not** have to be the arithmetic mean or any other formula with the values from the previous evaluation criteria 1 to 9. This thesis experiments with enhancements of ACB compression method. Although the compression speed is slower, it

verified suggested improvements to some extent. The text could have been better. I suggest C -- good.

Signature of the supervisor: