ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE

REVIEWER'S OPINION OF FINAL THESIS

I. IDENTIFICATION DATA

Thesis name:	**Optimization of Trucks Pre/On-trip Route Planning in City Logistics**
Author's name:	**Bc. Tetiana Nadutenko**
Type of thesis :	master
Faculty/Institute:	Faculty of Transportation Sciences (FTS)
Department:	Department of Transport Telematics, K620
Thesis reviewer:	Ing. Michaela Melicharová
Reviewer's department:	T-Soft a.s.

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment — **ordinarily challenging**

Evaluation of thesis difficulty of assignment.

Please insert your commentary.

The diploma assignment was ordinarily challenging, student should creatively propose a solution of an optimization of Trucks Pre/On-Trip route planning for a logistics company.

Satisfaction of assignment — **fulfilled with major objections**

Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.

Please insert your commentary.

Student analyzes the processes in the logistics company Khlibodar. Then student should analyze pre-trip and on-trip route planning with available traffic data sources, but this topic has been much shortened. Student should create a new design of system, based on the previous analysis with new functions, but there is almost nothing about this assignment.

Method of conception — **correct**

Assess that student has chosen correct approach or solution methods.

Please insert your commentary.

The student acted correctly. The methods used for this kind of application are useful, but unfortunately solution is not specified in more details and is fairly general, which does not benefit for the work at all.

Technical level — **D - satisfactory.**

Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.

Please insert your commentary.

Unfortunately, some parts are not very clear, and one can lose in them. Some parts would deserve much more detailed elaboration.

Formal and language level, scope of thesis — **C - good.**

Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.

Please insert your commentary.

I found the structuring of the work very bad. I would expect more hierarchical structure and more division into chapters.
Also figure 3.3 is bad. It is not proportional! 10 % cannot be 2x bigger than 90 %!
The graphics of thesis is very simple, a uniform color and style of the elements would be much better.

Selection of sources, citation correctness — **D - satisfactory.**

Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.

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Please insert your commentary.
Student has chosen the proper approach of obtaining information, but not as deep as it was necessary. Some of the citations should be listed better.

Additional commentary and evaluation
Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.
Please insert your commentary (voluntary evaluation).

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation. Please present apt questions which student should answer during defense.

The diploma thesis made me feel that it is not completely finished, some parts are quite unclear, own design is not very well thought out. It comes to me that the work was devoted little time and it deserves more particularly in the part of analysis and own system design.

Questions:

1. What pre-trip / on-trip solution would be suitable for the mentioned system?
2. What are the costs for implementation the proposed solution and its maintenance, and what are the savings arising from the implementation of this system?
3. On what basis did you come to reduce the value of the parameter "Covered distance delivery per customer" by 25 percent? This is a relatively large number, what is the cause?

I evaluate handed thesis with classification grade **D - satisfactory.**

Date: **17.6.2016** Signature: