

I. IDENTIFICATION DATA

Thesis name:	Vyas Singh Chauhan
Author's name:	Simulation of Electric Vehicle Including Different Power Train Components
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Klepněte sem a zadejte text.
Thesis supervisor:	Ing. Jan Bauer Ph.D.
Supervisor's department:	Department of Electric Drives and Traction

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>Evaluation of thesis difficulty of assignment.</i>	
Assignment was focused on simulation of EV power train including energy storage. From this point of view there were many possible ways how to build simulation model and on which part put the emphasis.	

Satisfaction of assignment	fulfilled with minor objections
<i>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.</i>	
Generally the assignment is fulfilled, however I supposed more invention from the candidate when creating the model. The theoretical part of the thesis is very promising, however the model of EV is simple. This fact decreases value of the thesis.	

Activity and independence when creating final thesis	A - excellent.
<i>Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.</i>	
At the beginning the student was very active during the initial study part of the thesis. He came periodically to consultations with prepared questions. However his activity somehow decreased during the middle of the semester and he starts to be very active during July. This small downtime is obvious from the EV model.	

Technical level	C - good.
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
Theoretical part is on good technical level, simulation part is not so good.	

Formal and language level, scope of thesis	A - excellent.
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
From the point of formal and language level, the thesis is without mistakes and well organized.	

Selection of sources, citation correctness	A - excellent.
<i>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.</i>	
Sources for the theoretical part are well selected and properly cited.	

Additional commentary and evaluation
<i>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.</i>

Please insert your commentary (voluntary evaluation).

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation.

As I have stated at the beginning the topic of the thesis is very actual and challenging. Problematic of EV simulation optimization and design in actual. The theoretical part of the thesis is well organized and is covering all important parts of EV powertrain. The second part of the thesis – simulation model is very simple. This is caused by haste of the student when finishing the thesis and his hesitation where to focus himself in the simulation model. Because the EV simulation part of the thesis is more important part it is decreasing overall impression from the submitted thesis.

I evaluate handed thesis with classification grade **C - good**.

Date: **25.8.2017**

Signature: