



SUPERVISOR'S OPINION OF FINAL THESIS

I. IDENTIFICATION DATA

Thesis name:	ELECTRIC VEHICLE POWERTRAIN SIMULATION
Author's name:	FARHAAN HUSSAIN
Type of thesis :	master
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Department of Automotive, Combustion Engine and Railway Engineering
Thesis supervisor:	Assoc. Prof. Pavel Mindl
Supervisor's department:	ČVUT FEL – Department of Electric Drives and Traction

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>Evaluation of thesis difficulty of assignment.</i>	
Please insert your commentary. Theme of diploma thesis was oriented more to the electricity theory, measurement and simulation. A little bit out of main study profile.	

Satisfaction of assignment	fulfilled
<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>	
Please insert your commentary. All points of assignment were satisfactory fulfilled.	

Activity and independence when creating final thesis	C - good.
<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>	
Please insert your commentary. Student visited regularly consultations. He good cooperated with his supervisor but timing of the work was not so good.	

Technical level	B - very 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>	
Mr. Hussain studied corresponding literature sources, concerning to diploma thesis theme. He used really base relevant information related to problem to be solved. Presented theoretical analysis and mathematical model was sufficiently verified by simulation and laboratory experimental methods.	

Formal and language level, scope of thesis	C - good.
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
Please insert your commentary. Language level OK. Sometimes missing literature references in the text.	

Selection of sources, citation correctness	C - good.
<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>	
Please insert your commentary. Literature sources are not regularly cited in the text. On the end of the work are presented in the summary form only.	

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>



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Please insert your commentary (voluntary evaluation). **Diploma thesis assignment has been generally fulfilled. After theoretical introduction and problem analysis author realized simulation model of the drive which was partially experimentally verified at the laboratory setup. He obtained new results concerning of induction motor parameters, needed for electric car drive.**

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation.

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

Date: **31.1.2023**

Signature: