

## I. IDENTIFICATION DATA

<b>Thesis name:</b>	OPTIMAL CONTROL STRATEGY OF HEV SCADA SYSTEM
<b>Author's name:</b>	Rahul Jaiswal
<b>Type of thesis :</b>	master
<b>Faculty/Institute:</b>	Faculty of Mechanical Engineering (FME)
<b>Department:</b>	Department of Automotive, Combustion Engine and Railway Engineering
<b>Thesis supervisor:</b>	Doc. Ing. Pavel Mindl, CSc.
<b>Supervisor's department:</b>	Department of Electric Drives and Traction

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b> <i>Evaluation of thesis difficulty of assignment.</i>	<b>challenging</b>
Theme of the thesis is relatively complex with respect to previous study orientation.	

<b>Satisfaction of assignment</b> <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>	<b>fulfilled</b>
All points of assignment were very good fulfilled.	

<b>Activity and independence when creating final thesis</b> <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>	<b>B - very good.</b>
Student visited regularly consultations. He good cooperated with his consultant and supervisor.	

<b>Technical level</b> <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>	<b>A - excellent.</b>
Mr. Jaiswal studied corresponding literature sources, concerning to diploma thesis theme. He used base relevant information related to problem to be solved. Presented theoretical analysis and mathematical model was sufficiently verified by simulation and laboratory experimental methods.	

<b>Formal and language level, scope of thesis</b> <i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	<b>A - excellent.</b>
Without remarks, very good English.	

<b>Selection of sources, citation correctness</b> <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>	<b>C - good.</b>
Literature sources are not cited in the text. On the end of the work are presented in the summary only.	

<b>Additional commentary and evaluation</b> <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>	
Diploma thesis assignment has been in general fulfilled. After theoretical introduction and problem analysis author realized experiments at the laboratory setup. He obtained new simulation results of electric drive with induction machine. Simulation model has been experimentally verified.	



## SUPERVISOR'S OPINION OF FINAL THESIS

### III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

*Summarize thesis aspects that swayed your final evaluation.*

I evaluate handed thesis with classification grade **B - very good**.

Date: **8.2.2023**

Signature: Pavel Mindl