ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE

SUPERVISOR'S OPINION OF FINAL THESIS

I. IDENTIFICATION DATA

Thesis name:	Control and visualization of one axis drive
Author's name:	Khajanchi Niken Rajeshkumar
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Electric Drives and Traction
Thesis supervisor:	Ing. Jan Bauer Ph.D.
Supervisor's department:	Department of Electric Drives and Traction

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment **challenging**

Evaluation of thesis difficulty of assignment.

The difficulty of the assignment correspond to the diploma thesis.

Satisfaction of assignment **fulfilled**

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.

All points of the assignment were more or less fulfiled.

Activity and independence when creating final thesis **B - very good.**

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.

Student try to solve the topic independently.

Technical level **C - good.**

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

The theoretical part of the thesis is good and describe components required for electric drives. Practical part has been slowed down by lock down of the faculty due to the COVID-19. But student could start with the practical part already during winter term.

Formal and language level, scope of thesis **D - satisfactory.**

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

Thesis shows that it has been completed in hurry and therefore contains many mistakes and unclear formulation in text. Thera are mistakes in chapter and page numbering too.

Selection of sources, citation correctness **A - excellent.**

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.

Referneces for the work were correctly selscted.

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).

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III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation.

The aim of this thesis was to create a sample PLC application incorporating PLC, HMI and converter with servo drive. Solving of the thesis were influenced by lock down of the faculty due to the COVID-19, But there was time to get familiar with PLC during winter semester or at the beginning of summer semester. I feel that thesis has fulfilled its purpose and student has got familiar with the PLC and its control, but when I take into account also the quality of the thesis itself I have to decrease thesis grade.

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

Date: **25.8.2020** Signature: