SUPERVISOR'S OPINION OF FINAL THESIS

I. IDENTIFICATION DATA

Thesis name:	**Current Controlled Buck Converter Based PV Array Emulator**
Author's name:	**Sahilkumar Arvindbhai Prajapati**
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Power Engineering
Thesis supervisor:	Ing. Jan Bauer Ph.D.
Supervisor's department:	Department of Electric Drives and Traction

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	**ordinarily challenging**

Evaluation of thesis difficulty of assignment.

The main task of the thesis was design and simulation of the PV Array emulator.

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 fullfiled.

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 has come with the topic alone and he was also working on the thesis alone. At the beginning he came to the consultations ordinary and prepared. But at the end his activity was decreased a little.

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, but the part dealing with simulation model description and prototype design is worse. It is obvious, that student has underestimated his powers and he finished the thesis in hurry.

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

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

Figures and equations in the thesis have low quality.

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.

Sources of references are well selected.

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.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation.

Cooperation with the student was very good at the beginning, but his efforts when dealing with the thesis decreases in this semester. This can be seen on the thesis itself, because the theoretical part of the thesis is on good level, but chapters describing created simulation model and prototype design, could be done with more care. From my point of view student has not sold everything what he has done when working on the thesis.

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

Date: **29.1.2019**   Signature: