

I. IDENTIFICATION DATA

Thesis title:	Economic effect of oversizing solar panels on an inverter in case of medium climate and low feed-in.
Author's name:	Taha Naved Mujtaba
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of electrotechnology
Thesis reviewer:	doc. Mgr. Jakub Holovský, Ph.D.
Reviewer's department:	Department of electrotechnology

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment <i>How demanding was the assigned project?</i>	ordinarily challenging
On one hand the project was complex by including various tasks from various domains: market analysis, computer simulations and a mathematical evaluation. On the other hand, the student could partially follow a similar master thesis already written by another student.	

Fulfilment of assignment <i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	fulfilled with minor objections
The assignment was completely fulfilled, even though sometimes on a rather minimalistic level.	

Activity and independence when creating final thesis <i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	D - satisfactory.
The time and the effort he committed to the project was almost a hyperbolic function of remaining time. Unfortunately, similar performance was necessary also on the supervisor side. The student was able to work independently and at the same time he was assertive enough to contact supervisor every time when necessary even during holidays.	

Technical level <i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	C - good.
In the introduction and literature survey, the information is correct and well represented and the level is appreciable. The level of the practical part, including the conclusions, is not as good. The student however proved that he is smart enough to be potentially capable of excellent results.	

Formal level and language level, scope of thesis <i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	A - excellent.
The language competence is definitively one of the student's strongest point. The chosen graphical formatting is also appreciated.	

Selection of sources, citation correctness <i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	E - sufficient.
Student correctly gives a credit to Lenka Šterberová, the author of the project preceding the actual one. Unfortunately, the way student refers to sources is very careless and often in unacceptable format.	

Additional commentary and evaluation (optional)

Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

Summarize your opinion on the thesis and explain your final grading.

Summary: The student Taha Naved Mujtaba is rather smart and competent person but rather careless in his study assignments. On the other hand, he proved that in the case of real emergency he is able to manage the situation and deliver real results.

The grade that I award for the thesis is **C - good**.

The question for the defense: What can we conclude from the graphical economic analysis (the hyperbolic line with the tangent) regarding the most advantageous module efficiency and the direction that the market should develop?

Date: **22.1.2021**

Signature: