

I. IDENTIFICATION DATA

Thesis title:	Simulation and analysis of a photovoltaic system with accumulation into hot water
Author's name:	Sahithi Angara
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Electrotechnology
Thesis supervisor:	Jakub Holovský
Supervisor's department:	Department of Electrotechnology

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
The topic goes beyond usual practice of using hot water accumulation today without any solution of conflict between hot water supply and free storage capacity. From this point of view it is pioneering work, especially concerning analysis of two boilers in series. The assignment comprised data processing, simulation in a commercial program and evaluation in separate Excel sheet.	
Fulfilment of assignment	fulfilled
It was not guaranteed that all the tasks are simple and feasible, especially the case of two boilers. But finally it was successful and we can be happy with the results.	
Activity and independence when creating final thesis	C - good.
Student had a positive approach, carefully planning the remaining time until the deadline. The only problem was that she did not take into account that Christmas should be taken as holiday.	
Technical level	C - good.
There was a bit weakness. Many times I had to correct mistake between power (kW) and energy (kWh).	
Formal level and language level, scope of thesis	A - excellent.
As usual, foreign students with Indian roots are very strong in communication.	
Selection of sources, citation correctness	C - good.
Correctness is fine, but there was a carelessness too. The introduction part was quite off topic. Also unfortunately, the first two sources listed in the assignment have not been cited.	
Additional commentary and evaluation (optional)	
As a supervisor, I am happy with the work done, the results are useful and I can use this work for further reference.	



THESIS SUPERVISOR'S REPORT

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

Overall, I would say that the topic, the methodology and the results all fitted together and made meaningful thesis appropriate to the level of bachelor study. The drawback is the introduction that is interesting but principally quite out of topic. For excellent performance, more independence, more care about physical units and better focused literature survey will be necessary. The grade that I award for the thesis is **C - good**.

Date: **24.1.2022**

Signature: