

I. IDENTIFICATION DATA

Thesis title:	Automated warehouse
Author's name:	Merden Berkehan
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Department of Instrumentation and Control Engineering
Thesis reviewer:	Ing. Pavel Trnka, Ph.D.
Reviewer's department:	Department of Instrumentation and Control Engineering

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	extraordinarily challenging
<i>How demanding was the assigned project?</i>	
The assigned project was challenging mainly due its complexity.	

Fulfilment of assignment	fulfilled with minor objections
<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>	
During the consultations, the student presented several interesting technical solutions for an automatic warehouse, but he only included one most important example in the final work.	
During the consultations, the student presented unformal but quite thoughtful economic and energetic balance of his project. Unfortunately, he published almost none of it in the final version of the thesis.	
The technical design of the construction parts is still more conceptual than actually technically solved (or ready for production).	

Activity and independence when creating final thesis	D - satisfactory.
<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>	
The student worked diligently, always arriving on time for consultations. He tried to solve the assigned partial comments.	
The student focused mainly on partial technical problems and, despite the supervisor's warnings, somewhat neglected other areas of the bachelor thesis. The student's ability to work independently has been moderate.	

Technical level	E - sufficient.
<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>	
The student showed relatively good technical level in the field of 3D modeling. He nevertheless showed a moderate creativity in the design of technological solutions.	

Formal level and language level, scope of thesis	D - satisfactory.
<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>	
The thesis is good structured. The range of thesis is 40 pages. Language quality is moderate, it contain grammatical errors. Graphically is thesis rather unbalanced – the design of tables is poor, thesis contain lot of empty spaces.	

Selection of sources, citation correctness	E - sufficient.
<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>	

The citation style does not meet the standards too much but the citation ethics has not been violated. The citation resources were chosen appropriately.

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.

Several factors contributed to the final quality of the bachelor thesis. Although the student worked with enthusiasm and diligence, it became apparent during the solution that he somewhat overestimated his strengths. A certain inexperience in finding technical solutions became apparent. The final version of the paper was provided for comments very close to the submission deadline, so it was no longer possible to take the supervisor's suggestions into account. Nevertheless, it should be noted that the presented concept of an automatic warehouse is quite promising. And, assuming a lot of additional work, it could lead to an interesting and worthwhile project.

The grade that I award for the thesis is **E - sufficient**.

Date: **1.2.2023**

Signature:

