THESIS REVIEWER'S REPORT

I. IDENTIFICATION DATA

Thesis title:	**Stabilized driving platform**
Author's name:	**Mateo Dubrovsky David**
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Department of Instrumentation and Control Engineering
Thesis reviewer:	Ing. Milan Navrátil, Ph.D.
Reviewer's department:	Tomas Bata University in Zlín, Faculty of Applied Informatics, Depertment of Electronics and Measurement

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment   **challenging**

How demanding was the assigned project?

Designing and creating a stabilized driving platform can be a challenging task, particularly if the platform requires sophisticated technology and expertise in areas such as control systems, mechatronics, and robotics. However, with adequate preparation, support, and resources, the project can be manageable.

Fulfilment of assignment   **fulfilled**

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.

The thesis completely fulfil the assigned task. All primary goals have been achieved.

Methodology   **correct**

Comment on the correctness of the approach and/or the solution methods.

The student has chosen the correct approach to the design, although I must say that the design analysis could have been made into a more more in depth, I lack the detailed technical calculations (Torque, Controller design etc.)

Technical level   **B - very good.**

Is the thesis technically sound? How well did the student employ expertise in the field of his/her field of study? Does the student explain clearly what he/she has done?

The student has demonstrated the ability to work professionally with data and literature.

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

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?

The work is formally and typographically correct, without obvious errors. Overall, it is clear and understandable.

Selection of sources, citation correctness   **B - very good.**

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?

These sources are chosen with regard to the topic of the thesis. The range of information sources used corresponds to the requirements set for the bachelor thesis. References to the sources used are given in the text and figures.

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.

The student chose a topic that is very interesting. The potential of this topic has not been fully developed in the thesis and elaborated to the smallest technical details. However, the student has demonstrated and applied expertise and solved the problem presented.

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. Pose questions that should be answered during the presentation and defense of the student's work.

The thesis is prepared at a good professional level and corresponds to the scope of knowledge of a student of bachelor's studies.

Additional questions:

What method did you use to design the controller?

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

Date: **2.2.2023**   Signature: