

I. IDENTIFICATION DATA

Thesis title:	Impulse Events Detection and Classification Software
Author's name:	Oluwaseun Olasoji
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Electrical Power Engineering
Thesis supervisor:	Ing. Jakub Svatoš, Ph.D
Supervisor's department:	Department of Measurement

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
The thesis assignment was challenging for a bachelor level student.	

Fulfilment of assignment	fulfilled
<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>	
The assignment was fulfilled without reservation. Moreover, Mr. Oluwaseun implemented both suggested classifiers.	

Activity and independence when creating final thesis	A - excellent.
<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>	
Mr. Oluwaseun worked independently, consulted regularly on the solution, periodically sent parts of the MATLAB code for a discussion during the solving process. He showed a professional approach to problem solving, unusual for a student at the bachelor stage of his studies.	

Technical level	A - excellent.
<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 submitted work is at an excellent technical level. During the solution, the student proved that he can understand the given issue through self-study and apply the acquired knowledge.	

Formal level and language level, scope of thesis	C - good.
<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 format style and language level are the only cons of the work. Nevertheless, the quality of the work is still at a very good level.	

Selection of sources, citation correctness	B - very good.
<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 student worked with citation sources correctly.	

Additional commentary and evaluation (optional)
<i>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.</i>

Implemented code and achieved results fulfilled the assignment. Moreover, based on the achieved results, a conference paper will be written and submitted.

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.

The student's goal was to implement an algorithm for the detection and identification of an impulse acoustic event, such a gunshots. Mr. Oluwaseun has shown very good ability to understand the given issue and to solve given task independently. His approach to solving problems was very good for a bachelor's student. At the same time, he adhered to the deadlines of partial tasks. Moreover, the achieved results showed some potential and based on them a conference paper is now prepared and will be submitted on an international conference. I have no complaints or comments about his work.

The grade that I award for the thesis is **A - excellent**.

Date: **30.5.2023**

Signature: