THESIS REVIEWER'S REPORT

I. IDENTIFICATION DATA

Thesis title:	**Emotion Detection from Speech and Written Text**
Author's name:	**Petr Stádník**
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Cybernetics
Thesis reviewer:	Ing. Václav Burda, Ph.D.
Reviewer's department:	Minion Interactive s.r.o., Jiráskova 16, Jablonec nad Nisou, 466 01

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	**challenging**

How demanding was the assigned project?

I consider the assignment of the bachelor thesis to be more challenging. Its aim was to learn about the problem of emotion recognition from speech and text and to research available libraries and datasets. Based on this knowledge, then have to design and implement a complete process chain for emotion detection. Furthermore, this topic is currently very popular and emotion recognition seems to be an interesting challenge.

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 student has fulfilled the assignment in all parts and the scope meets the requirements for a thesis.

Methodology	**outstanding**

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

I find the approach to solving the problem as excellent. The student became familiar with the problem and analyzed the possible solutions of the work. Subsequently, he implemented and performed the evaluation and discussion of the results.

Technical level	**A - excellent.**

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?

I rate the professional level as excellent. The student understood the topic, oriented himself in it and applied the findings in the design, implementation and evaluation part of the work.

Formal and language level, scope of thesis	**A - excellent.**

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 thesis meets all the requirements for a thesis in terms of form and length. The thesis is very readable and I did not encounter any crucial grammatical or stylistic errors. Just a small comment about long descriptions of the figures, where it was repeatedly explained how to read the "confusion matrix".

Selection of sources, citation correctness	**A - excellent.**

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?

The range of citations and references covers the subject of the thesis, and the formal notation of citations corresponds to the recommended standard. Student properly cites his statements.

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.
I think that the assignment and processing of the thesis fulfilled its purpose and that the student also benefited from its preparation. The conclusion summarizes the possibilities for further research and development.

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.

I am generally satisfied with the work submitted. The student approached the assignment responsibly, first getting familiar with the issue of emotions and researching the possibilities for detecting emotions from speech and text. Based on the findings, the student subsequently implemented processing of emotions detection, evaluated the results and also suggested further research options.

Question to answer:
1) Which implementation part was the most interesting and challenging for you to solve?

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

Date: **5.6.2024**   Signature: Václav Burda