THESIS SUPERVISOR'S REPORT

I. IDENTIFICATION DATA

Thesis title:	Digital signal preprocessing for content recognition improvement
Author's name:	Sabitova Aytaj
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	13138 Measurement
Thesis reviewer:	Prof. Ing. Jan Holub, Ph.D.
Reviewer's department:	13138 Measurement

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment   **ordinarily challenging**
How demanding was the assigned project?

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.

Activity and independence when creating final thesis   **A - excellent.**
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.

The student worked independently with several consultations for which she always came properly prepared.

Technical level   **C - good.**
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?

The thesis is technically sound and clearly describe what has been done. Somewhat deeper analysis of the de-noising procedures (up to algorithmic level) is missing. Despite this fact the achieved results are useful for further research of the supervisor's group.

Formal level 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 is written clearly and formatted perfectly.

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?

Used sources are chosen appropriately and referenced properly.

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 tools identified in the thesis and the result evaluation are useful for further research of the supervisor's group.

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

The thesis provides useful insights for speech recordings pre-processing to increase the success rate of automatic recognition of the content. The findings will be further exploited at the supervisor workplace.

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

Date: **27.5.2024**   Signature: