

I. IDENTIFICATION DATA

Thesis title:	New applications of tactile modules for individuals with vision impairments
Author's name:	Kryštof Woldřich
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Computer Graphics and Interaction
Thesis reviewer:	Ing. Karel Frajták, PhD.
Reviewer's department:	Department of Computer Science

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	extraordinarily challenging
The assignment is extraordinarily challenging and includes mastering the area of tactile interaction for visually impaired persons, 3D design and printing.	
Fulfilment of assignment	fulfilled with minor objections
The thesis fulfilled the assigned task. The text should have been written in Czech (see comment below).	
Methodology	correct
The chosen approach is correct.	
Technical level	C - good.
The thesis is technically sound. Student employed expertise in the field of his study. The argumentation in favor of NodeJS as an implementation programming language looks quite convoluted – the prototype should have an UI (NodeJS is server-side programming language), which is not mentioned anymore; and communicate with the baseboard via serial port which requires C++. And NodeJS lacks both.	
Formal and language level, scope of thesis	C - good.
The thesis is organized in a logical way. The thesis of sufficiently extensive. The language is not often clear and understandable. The text should have been proofread by native speaker. Some examples – cut away the view, not all the solutions can only remove cons, mash vs mesh, cons vs disadvantages, insecure connection between two parts, more smooth, and others. Cons/pros could have been replaced with disadvantages/advantages.	
Selection of sources, citation correctness	A - excellent.
The selection of sources is adequate. Bibliographic citations meet the standards.	
Additional commentary and evaluation (optional)	
Overall, the use of English harms the outcome of the thesis, especially when the problem is discussed from the point of view of Czech visually impaired user. When written in Czech, the impact of the thesis would be greater.	

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

I don't have any additional comments. Questions for student.

1. How is gender of the tester relevant the user testing?
2. Do you still believe NodeJS was a best choice for a quick and efficient way to prototype the application?
3. You did experiments with group of adults, elderly people are mentioned as the participants in the future experiments. How about the rest – kid and teenagers?

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

Date: **9.6.2022**

Signature: