

I. PERSONAL AND STUDY DETAILS

Student's name: **Rionda Rodríguez Clara** Personal ID number: **476862**
 Faculty: **Faculty of Biomedical Engineering**
 Study program: **Biomedical and Clinical Technology**
 Branch of study: **Biomedical Engineering (CEMACUBE)**

II. EVALUATION OF THE MASTER THESIS

Masters's thesis title in English:

Bow holders for cellists and violinists with limb difference

| | Evaluation criteria | N. of points |
|----|--|---------------------|
| 1. | <p>Fulfillment of the aim of the thesis and suitability of the structure of the thesis with respect to the topic (compliance with the assignment). (0 - 30)*</p> <p>Any part or sentence of the diploma thesis assignment has to be dealt with. The full amount of points can be given to the excellent thesis only. The points are reduced in relation to the part of the assignment which is not properly dealt with or is not included at all. It is compulsory to state the aim of the thesis in the introduction.</p> | 30 |
| 2. | <p>Theoretical level and application of accessible sources. (0 - 30)*</p> <p>The reader evaluates the relevance of the theoretical part of the thesis with respect to the assignment and structuring of the ideas. If word-for-word citing prevails, the reader shall decrease the rating by 15 points. (of course if copyright is abided). Moreover, another reason for decreasing the overall assessment is insufficient amount of theoretical knowledge and sources.</p> | 28 |
| 3. | <p>Scope of experimental work (SW, HW) and applied knowledge, quality of methodology and conclusions of the thesis. (0 - 30)*</p> <p>Maximum number of points can be granted to a thesis which has practical implications for a particular organization and can be applied there. Maximum number of points can also be given to a thesis, which is important for improvement of the theoretical knowledge. This aspect is particularly judged with respect to publishing. For minor methodological flaws, the assessment can be reduced by up to 5 points. Inconsistency of elaboration and the theoretical background and unclear or not fully professional approach leads to a reduction by at least 15 points. Another decrease can be due to insufficient discussion. A total of 30 points can be given to a very complex and flawless work, including other activities such as participation in scientific-research project or grant, active participation in writing papers, patents and utility models.</p> | 28 |
| 4. | <p>Formal requisites and layout of the thesis (writing mastery, structuring, graphs, tables, citations in the text, list of references etc.). (0 - 10)*</p> <p>Reader judges formal requisites with respect to rules of writing, attributes of final works i.e. text formatting, structure of the thesis, list of references, graphs and tables, manner of citation. 2 points are subtracted for each noncompliance. 2 - 4 points are subtracted for grammatical mistakes, spelling mistakes, improper stylistics and terminology. Only standard terminology should be used especially in the English language (ability to express oneself with the use of professional language should be judged - 2 points), if graphs are created according to the rules (see tolerance and influence of statistical processing - 2 points), if there are relevant captions for graphs and tables and that everything is readable (2 points), citation rules ISO690 and ISO690-2 are observed (2 points).</p> | 9 |
| 5. | Total points | 95 |

* Verbal evaluation should be part of the Comments

III. PROPOSED QUESTIONS FOR THE DEFENSE (OPTIONAL)

1. The whole solution is low cost, but make a 3D model of hand, design variants and the whole development costs money. Can you briefly comment on the low-cost solution?

2. Assessment of universality of solutions. How easily and by what steps could the proposed model for similar disability be transformed?

3. Can you briefly comment on the lifetime of the designed equipment in relation to the materials used, production technology and also in relation to the growth of the child (possible future modifications)?

IV. THE OVERALL ASSESSMENT OF THE LEVEL OF THE MASTER THESIS

| Grade**: | A (excellent) | B (very good) | C (good) | D (satisfactory) | E (sufficient) | F (failed) |
|-------------------|---------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Number of points: | 100 - 90 | 89 - 80 | 79 - 70 | 69 - 60 | 59 - 50 | < 50 |
| | X | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

** in case of F (failed) please explain in detail

I give the above grade to the master thesis and I recommend/~~do not recommend~~ it for the defence.

V. COMMENTS

The work in terms of content and graphics is elaborated at a high level, except for minor shortcomings, eg. sketches of proposals (TAB. 3) are trivial and I lack there a verbal description.
A basic research of the current state of knowledge with relevant references to literature was carried out.
The model variants and their combinations for the final product are elaborated in detail.
This is a very extensive and nice work dealing in detail with all aspects of the activity.
In conclusion, it can be stated that the student has met the set goals.

Name and surname incl. degrees: Ing. Marie Stará, Ph.D.

Institution: Technická univerzita v Liberci, katedra sklářských strojů a robotiky

Contact address:

Signature:

Date: