MASTER THESIS SUPERVISOR REVIEW

I. PERSONAL AND STUDY DETAILS

Student's name:	**Ortiz Santiago Víctor**	Personal ID number:	**491393**
Faculty:	**Faculty of Biomedical Engineering**		
Study program:	**Biomedical and Clinical Technology**		
Branch of study:	**Biomedical Engineering**		

II. EVALUATION OF THE MASTER THESIS

Masters's thesis title in English:

Design and development of mainstream capnometer

	Evaluation criteria	N. of points
1.	Attitude of the student (preparation, initiative, work morale and independence). (0 – 30)* Comment: 10 points - in case of standard communication of the student with the supervisor, 10 points - how can student apply knowledge from other subjects, 5 points - reliability, 5 points - if the student tries to bring own ideas or tries to solve all assigned issues.	22
2.	Manner and level of elaboration of the thesis and fulfilment of the assignment. (0 – 30)* Comment: supervisor judges how was the student able to prepare the individual parts of the thesis using knowledge and skills from other subjects (10 points), ability to present the topic (10 points), ability to create coherent professional text explaining own contribution - in case of the diploma thesis the topic must not be the same as for the bachelor thesis (10 points)!	22
3.	Scope of experimental work (SW, HW), applied knowledge, publications and other activities, including awards connected with the topic of the thesis. (0 – 30)* Comment: if the student actively participated in writing part of the paper in English (is a co-author) – 4 points, created a model – 4 points, created software – 4 points, technical realisation – 4 points (this can be replaced by a patent or utility model). 4 points for full functionality of both of SW and HW - then 20 points in total can be given. Provable participation in scientific and research project (5 points) and provable good position in competitions (5 points) - then additional 10 points can be given. It means 30 points in total for a very complex and flawless work including other activities such as participation in project, writing papers, creating patents or utility models.	22
4.	Formal requisites and layout of the thesis (writing mastery, structuring, graphs, tables, citations in the text, list of references etc.). (0 – 10)* Currently, students have materials explaining how to prepare a professional text on PC, they have all knowledge and skills; therefore it is not necessary to make allowances for the quality of PC processing. The list of contents of the thesis should have decimal system. Consider references between the individual parts including equation numbering, pictures, tables and graphs (2 points), whether it contains important features with respect to the type of thesis (2 points). Only standard terminology should be used especially in the English language (ability to express oneself with the use of professional language - 2 points), if graphs are according to the rules (see tolerance and influence of statistical processing – 1 point), if there are relevant captions for graphs and tables and everything is readable (1 point), observance of citation rules ISO690 and ISO690-2 (2 points).	8
5.	**Total points**	74

* Verbal evaluation should be part of the Comments.

III. 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	❑	❑	❑

** 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.

IV. COMMENTS

In the course of the project, the student faced technical problems that greatly enriched his practical experience and skills.
The student learned to apply his knowledge in different areas of technology and biomedical engineering - soldering, using LabView software, using box plots and many others.

The technical solution has limitations due to the low sampling rate and the broad spectrum IR source used.

Name and surname incl. degrees: doc. Ing. Petr Kudrna, Ph.D.
Institution: ČVUT v Praze, Fakulta biomedicínského inženýrství
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Signature: .....

Date: .....