I. IDENTIFICATION DATA

Thesis name:	**Market Research for Internet of Things Applications**
Author's name:	**Jakub Novák**
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Radioelectronics
Thesis reviewer:	Ing. Pavel Staša, Ph.D.
Reviewer's department:	VSB – Technical University of Ostrava

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	**challenging**

Evaluation of thesis difficulty of assignment.

The bachelor's thesis corresponds to the assignment and character of such work.

Satisfaction of assignment	**fulfilled**

Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.

The bachelor's thesis deals with analyzing the IoT market and identifies the parts of the market with the greatest potential as well as opportunities to develop such kind of IoT devices. It also compares the situation in Czech Republic and some European countries.

Based on this information, the author proposed several concepts and tested a few potentially problematic cases for UHF RFID such as negative effects of PELI cases on the maximum read range and bending UHF tags with dipole antennas.

The bachelor's thesis fully corresponds to the assignment. Bachelor thesis contains 39 pages, 28 pictures, 3 tables and 2 attachments.

Method of conception	**correct**

Assess that student has chosen correct approach or solution methods.

The first part of the thesis deals with the analysis of the IoT market. It is followed by survey and proposing a business idea.
The main part of this thesis has market analysis character which is well processed which is proven by literature references. Benefits can be seen in survey that was done across the companies operating in this area.
The chosen solution process appears to be properly chosen and standard.

Technical level	**B - very good.**

Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.

During the elaboration of the bachelor's thesis, the student used the knowledge gained during the study, which he was able to apply within the practical part of the thesis.

Formal and language level, scope of thesis	**B - very good.**

Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.

From the formal point of view, the bachelor's thesis follows the guideline. As well as the linguistic aspect of the work is good, sometimes there are some grammatical errors, but they are not to such an extent as to affect the quality of work.

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

Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.

The list of references contains 72 sources mainly online sources. The amount of references corresponds to solved issue and it is adequate.

Additional commentary and evaluation

Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.

The list of abbreviations should be in alphabetical order.

Chapters 3 and 6 have just only one page and Chapter 4 has two pages. From my point of view, main chapters should be longer than one or two pages. In other case, it means that they are not needed and could be as a part of others.

The text is not formatted to the block in sub-chapters 8.2.3 and 8.3.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation. Please present apt questions which student should answer during defense.

The submitted work fulfilled the obligations imposed on the bachelor's thesis and demonstrated the experience gained during the study. Overall evaluation of this thesis is very positive and I recommend it for the defense.

I have one question to defend.

1. What is the student's view of the IoT application in Chapter 8? From my point of view, it's just about identifying objects.

I evaluate handed thesis with classification grade **B - very good.**

Date: **4.6.2018**   Signature: