

I. IDENTIFICATION DATA

Thesis title:	Mobile Application for Controlling the Embedded System
Name of author:	Lazaros Stamatiadis
Type of thesis:	Bachelor
Faculty/Institute:	Faculty of Electrical Engineering
Department/Institute:	Department of Telecommunication Engineering
Supervisor:	Ing. Tomáš Zitta
Supervisor's workplace:	Department of Telecommunication Engineering

II. EVALUATION OF SINGLE CRITERIA

Assignment	More difficult
<i>Evaluation of difficulty of final thesis assignment.</i>	
I evaluate the assignment as more difficult, because the purpose of this thesis was to implement an Android application, which can control the embedded system remotely. Further, perform security analysis of preferred communication technologies and compare them in terms of transmission speed and latency.	

Fulfilment of assignment	Fulfilled
<i>Assess whether the submitted final thesis meets the assignment. In the comment, please specify the points of assignment that have not been fully met or whether the thesis is extended over the assignment. If the assignment has not been fully met, try to assess the severity, impact and eventual causes of the individual deficiencies.</i>	
The thesis assignment was fulfilled. Mobile application for Android OS was designed, implemented, and It is operational. It is justified in conclusions of the thesis, why NFC transmission properties were not tested. NFC does not support TCP / IP layer in a standard way.	

Activity and independence in the processing of thesis	A - Excellent
<i>Assess whether the student was active during thesis, whether he respected the agreed deadlines, whether he regularly consulted his own solution and whether he was sufficiently prepared for the consultations. Assess the student's ability to develop independent creative work.</i>	
The student worked independently. He actively communicated with the supervisor during his bachelor thesis. He respected the deadlines and solved any problems. He was prepared for consultations.	

Professional level	B – Very good
<i>Assess the level of expertise of the thesis, the use of knowledge gained through study and professional literature and the use of documents and data obtained from practice.</i>	
The student demonstrated his professional level by making a mobile application with a description in his bachelor thesis. Communication technology security analysis is not discussed in depth. I miss the flowcharts that illustrate the SW algorithm.	

Formal and language level, scope of thesis	B – Very good
<i>Assess the correct use of formal entries in the thesis. Consider the typographical and linguistic aspects.</i>	
Abbreviations are not sorted by alphabet. The meaning of some abbreviations in the text is not written e.g. VPN and SIP. In the text are rarely present typing errors, e.g. sings instead of signs and figure 127 instead of figure 17.	

Source selection, correctness of citations

B – Very good

Comment the student activity in obtaining and using study materials to solve the thesis. Characterize the choice of sources. Assess whether the student has used all the relevant sources. Verify that all elements taken over are properly distinguished from own results and considerations, whether violation of citation ethics has occurred and whether bibliographic citations are complete and in accordance with citation habits and standards.

The student used 58 citation sources. Sources are relevant and are in the standard format and are listed in the text. Used images which are taken over are quoted. The student mostly drew from internet sources. Citations are not sorted in ascending order. Citations are placed in the text after the dot of sentence.

Other comments and ratings

Comment the level of the main results of the final thesis, e.g. the level of the theoretical results or the level and functionality of the technical or programmed solution, the publication outputs, the experimental skills etc.

(optional evaluation).

III. OVERALL EVALUATION AND PROPOSAL OF CLASSIFICATION

Summarize the aspects of the final thesis that most influenced your overall evaluation

The student worked independently. He designed and created mobile application for OS Android. Functionality of embedded system control using the application was tested. He documented his knowledge in the bachelor thesis. The theoretical part and the practical part of the bachelor thesis are balanced. I recommend the bachelor thesis for the defence.

I evaluate the submitted final thesis with the grade **B – very good.**

Date: 23.1.2018

Signature: