

## I. IDENTIFICATION DATA

<b>Thesis title:</b>	<b>Router IoT Testbed</b>
<b>Author's name:</b>	<b>Nicola Zaru</b>
<b>Type of thesis :</b>	master
<b>Faculty/Institute:</b>	Faculty of Electrical Engineering (FEE)
<b>Department:</b>	Dept. of Telecommunications
<b>Thesis reviewer:</b>	doc. Ing. Stanislav Vítek, Ph.D.
<b>Reviewer's department:</b>	Dept. of Radio engineering

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>challenging</b>
<i>How demanding was the assigned project?</i>	
The assignment can be evaluated as a challenge. Fulfilling the task requires in-depth knowledge of the issue, the study of documentation, and experimental and programming skills.	

<b>Fulfilment of assignment</b>	<b>fulfilled</b>
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
Task was fulfilled.	

<b>Methodology</b>	<b>correct</b>
<i>Comment on the correctness of the approach and/or the solution methods.</i>	
The methodology is the weakest part of the work. The technical part is perfect, as commented bellow, but any state of the art or comparison with existing devices (if any exists) is entirely missing.	

<b>Technical level</b>	<b>B - very good.</b>
<i>Is the thesis technically sound? How well did the student employ expertise in the field of his/her field of study? Does the student explain clearly what he/she has done?</i>	
The technical level of the submitted master thesis is excellent. The author is a skilled programmer, and apparently, he has in-depth knowledge in the field. Unfortunately, there is no single piece of code or implementation details, so I had no chance to evaluate the technical level from this point of view.	

<b>Formal and language level, scope of thesis</b>	<b>A - excellent.</b>
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
The thesis is well presented. There are numerous figures and graphs with results from experiments that the author performed. The formal level and overall quality of typography if fine. Also, the level of the English language and grammar is excellent.	

<b>Selection of sources, citation correctness</b>	<b>B - very good.</b>
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
There are almost strictly online sources, targeting technical details of implemented technologies. Any rigorous source (book or journal) is missing. Citations meet common standards.	



## THESIS REVIEWER'S REPORT

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

*Submitted work of Nicola Zaru is on a high technical level, and it meets high requirements for the master thesis at Czech Technical University in Prague. Unfortunately, the author did not put his work into a broader context of IoT technology. However, I appreciate the overall quality of the presented results.*

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

Date: **25.8.2020**

Signature: