

## I. IDENTIFICATION DATA

<b>Thesis title:</b>	Selection of Representative Landmark Images
<b>Author's name:</b>	Pavel Gramovich
<b>Type of thesis :</b>	master
<b>Faculty/Institute:</b>	Faculty of Electrical Engineering (FEE)
<b>Department:</b>	Department Cybernetics.
<b>Thesis supervisor:</b>	Jiří Matas
<b>Reviewer's department:</b>	Department of Cybernetics

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>challenging</b>
<i>How demanding was the assigned project?</i>	
The assignment was challenging as it addresses an open research problem. The student had to fill in specific details of the problem formulation, design a novel method, and find suitable data for evaluation. The difficulty is somewhat mitigated by the fact that a reasonable baseline could be built from existing components.	

<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>	
The thesis fulfills all the goals.	

<b>Activity and independence when creating final thesis</b>	<b>B - very good.</b>
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
The student consulted irregularly, when the need arose. He was able to work independently very well. He was mostly well prepared for the consultation. I would have liked to see more details of the progress in a form of experimental results which would help me to pinpoint problems.	

<b>Technical level</b>	<b>B - very good.</b>
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
The thesis required expertise in the field of study. The thesis has a clear structure, it is easy to read. It starts with setting up the goals, discusses prior art and available data. It explains well what has been done. For some parts of the method, it is not clear <i>why</i> certain choices were made. Parts of the method, namely outlier detection, is implemented by a pre-existing method. This is not a problem per se, but if the method is not performing particularly well for the task that it is solved in thesis, modification of the algorithm would have been beneficial.	

<b>Formal level 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 written in good English. The text is readable, well organized, and supported by tables and graphs appropriately.	

<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>	



## THESIS SUPERVISOR'S REPORT

Citations to prior work are appropriate. The work done by the student is substantial, but sometimes it is not clear, at the level of components, which parts of the system are implemented, without (or with) changes using external sources

### **Additional commentary and evaluation (optional)**

*Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.*

The thesis presents a particular solution to the specified problem. It is evaluated and analyzed. . The result can be potentially applied in the context of image retrieval systems.

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

*The student have fulfilled all the requirements of the assignment. Despite some minor problems, mentioned above, I recommend **the thesis be awarded grade A - excellent.***

Date: **6.9.2020**

Signature: