

I. IDENTIFICATION DATA

Thesis title:	OCCUPANCY PREDICTION OF PUBLIC PARKING SPACES
Author's name:	Bc. Viktor Beneš
Type of thesis :	master
Faculty/Institute:	Faculty of Transportation Sciences (FTS)
Department:	Department of Transport Telematics
Thesis reviewer:	Ing. Petr Hais
Reviewer's department:	City Smart Parking s.r.o.

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
Without comments.	

Fulfilment of assignment	fulfilled
<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>	
Without comments.	

Methodology	outstanding
<i>Comment on the correctness of the approach and/or the solution methods.</i>	
Without comments.	

Technical level	A - excellent.
<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>	
Without comments.	

Formal and language level, scope of thesis	A - excellent.
<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>	
Without comments.	

Selection of sources, citation correctness	A - excellent.
<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>	
Without comments.	

Additional commentary and evaluation (optional)
<i>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.</i>
It would be useful to display some graphs, for example, using several non-overlapping columns next to each other. The x-axis of the graphs is misleading, it would be useful to display only the months and distinguish the years with different colors in the legend. Nowhere did I find the total capacity of the selected parking zone (ZPS) in the text, it's just in the annexes in the code. I would expect a more detailed legend of what the individual colors in the graphs mean (Annex D).



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

Summarize your opinion on the thesis and explain your final grading. Pose questions that should be answered during the presentation and defense of the student's work.

Questions:

- Do you know what percentage of drivers did not have paid ZPS when you performed local verification?
- Did you anticipate the possibility that some drivers had a resident parking card for the area to which the ZPS belongs?
- How else would you improve the accuracy of prediction in ZPS?
- What do you say about the use of image data from the monitoring car?
- What technology would you use for that?

The grade that I award for the thesis is **A - excellent**.

Date: **31.5.2021**

Signature: