

I. IDENTIFICATION DATA

Thesis title:	AUTONOMOUS DRIVING WITH THE HELP OF A WEB CAMERA
Author's name:	STEVE SUNIL MATHEWS
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Department of Instrumentation and Control Engineering
Thesis reviewer:	Jan Mareš
Reviewer's department:	UCT Prague

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
Proposed bachelor thesis deals with an interesting topic of autonomous driving and image processing. This topic is important from both research and industrial point of view. Therefore, I declare the assigned project is challenging.	

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>	
Assigned task includes: (i) review of state-of-the-art, (ii) image processing software development, (iii) testing and (iv) validation. All goals were achieved and I have no further comments to assigned tasks.	

Methodology	correct
<i>Comment on the correctness of the approach and/or the solution methods.</i>	
Introduced methodology is correct and it uses modern approaches. I appreciate using of programming language Python.	

Technical level	B - very good.
<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>	
Technical level of the bachelor thesis is very good. The work is clearly written and the structure of the work is logical.	

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>	
The bachelor thesis is clearly written, the level of English is very good.	

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>	
The bachelor thesis is based on a large research of earlier works. All references are cited according to world standards.	

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>
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THESIS REVIEWER'S REPORT

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

Owing facts mentioned above I declare this bachelor thesis is at very good level. I recommend the thesis for defense.

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

Date: **25.8.2020**

Signature: