

I. IDENTIFICATION DATA

Thesis title:	Automated degreasing application for car window body flange.
Author's name:	Kashyap Suyash
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Department of Instrumentation and Control Engineering
Thesis reviewer:	Ing. Pavel Trnka, Ph.D.
Reviewer's department:	Department of Instrumentation and Control Engineering

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	extraordinarily challenging
<i>How demanding was the assigned project?</i>	
The assigned project was challenging mainly due its complexity. The proposed solution is deployed in real operation.	

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>	
The assignment contains three parts.	
1. The student proposed four ideas of basic design and a number of options for solving of end-effector tool. (at least two ideas requested) – fulfilled very well	
2. The student designed the complete process for selected solution and cooperates with the car producing company at its real application. - fulfilled	
3. Student designed the 3D model of the solution and created simulation of the complete process. – fulfilled	

Activity and independence when creating final thesis	A - excellent.
<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>	
Student was diligent in his work. Student was well prepared for the consultations, he applied supervisor's suggestions properly.	

Technical level	A - excellent.
<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 student showed a high technical level especially in the field of 3D modeling and simulation. He also showed good skills and creativity in the design of complex technological solutions.	

Formal level 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>	

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>	



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.

The subject of the thesis was the design of a technical solution for automatic degreasing of car window frames before gluing the windows. The individual parts of the design and most of the conceptual designs were practically tested and then the final solution was selected. The proposed solution is currently being deployed in real operation. The student has been very active and careful throughout his work.

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

Date: **9.6.2022**

Signature: