THESIS SUPERVISOR'S REPORT

I. IDENTIFICATION DATA

Thesis title:	**Investigation of Performance and Possible Improvements of the Braking System**
Author's name:	**Kishankumar Alpeshkumar Panchal**
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Department of Instrumentation and Control Engineering
Thesis reviewer:	Ing. Lubomír Musálek
Reviewer's department:	Department of Instrumentation and Control Engineering

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment **challenging**

How demanding was the assigned project?

The work is challenging enough.

Fulfilment of assignment **fulfilled**

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.

The assignment has been fulfilled.

Activity and independence when creating final thesis **A - excellent.**

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.

The student worked independently. He designed and modelled the braking system himself. He asked the supervisor only about formal matters concerning the work.

Technical level **B - very good.**

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?

The technical difficulty is high for a bachelor thesis as it combines FEM modelling and brake system design.

Formal level and language level, scope of thesis **B - very good.**

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?

The work contains a minimum of grammatical errors. The work is readable and well divided into chapters and paragraphs.

Selection of sources, citation correctness **A - excellent.**

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?

The student used 10 citations. The citation are according to the ISO 690: 2011 standard.

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.

Please insert your comments here.

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

The student has completed the assignment. He designed and modelled the braking system in FEM software and evaluated the braking effect. The student worked independently and very carefully. There are minor grammatical errors and some inaccuracies in the paper. In the conclusion, he suggested further possibilities to continue the development of the braking system. I recommend the thesis for defence.

Translated with www.DeepL.com/Translator (free version)

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

Date: **Click here and enter the date.** Signature: