

I. IDENTIFICATION DATA

Thesis title:	Improvement of the production line of motor
Author's name:	Laxminarayanan Selvan
Type of thesis :	master
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Process Engineering
Thesis reviewer:	Ing. Michal Netušil, Ph.D.
Reviewer's department:	Process Engineering

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	ordinarily challenging
Requires common engineering sense and logical approach. Only basic math and no chemistry or physics are needed.	

Fulfilment of assignment	fulfilled with major objections
In literature search it seems that the author only work with copy/paste text and adjusts it. The production efficiency is calculated from doubtful input data and the calculation procedure is not well described. The MS Excel appendix does not enable user to check response to change of input data. It is not clear what is the own contribution of student.	

Activity and independence when creating final thesis	F - failed.
The increment of the state of completion between revisions was very small (190718 rev2 30%, 190810 rev3 35%, 191220 rev4 43%). At each revision author claimed that he have corrected and taken into account everything, which was not true.	

Technical level	E - sufficient.
Expertise from the line optimization is present. It is not clear what is the own contribution of student.	

Formal level and language level, scope of thesis	C - good.
The thesis is organized in a logical way. The language is clear and understandable and sufficiently extensive. The thesis is not well-presented, especially appendices have unattractive form.	

Selection of sources, citation correctness	E - sufficient.
Literature search lacks sources from scientific databases. It seems like the author mainly adjusts copy/paste text from sources. Student's original text is not clearly distinguished. Summarizations of facts from various sources is missing. Some bibliographic citations do not meet the standards.	

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

I positively evaluate formal and language level of the thesis. The main negative points are:

1. it is not clear what is the own contribution of student and what is the company know-how.
2. the low activity and very small increment of the state of completion between revisions.
3. the doubtful input data and the calculation procedure.

Question 1: Why are input data from trial cycle times in thesis rev.1-4 different to those in the final thesis?

Question 2: What is your contribution to improvements in station 1P, 5P, 7P, 8P&9P and M6?

The grade that I award for the thesis is **E - sufficient**.

Date: **20.1.2020**

Signature:

