

## DIPLOMA THESIS EVALUATION

Student's name and surname: Thirugnanam Ravivarman

Name of the diploma thesis: Optimization of CNC machining workshop

Supervisor of the thesis: Ing. František Koblasa, Ph.D.

### 1. Diploma thesis evaluation

Evaluation	excellent	excellent minus	very good	very good minus	good	failed
Meeting the goal and fulfilling task of the thesis	X					
Quality of conducted survey	X					
Methodology of solutions	X					
Expert level of the thesis		X				
Merit of the thesis and its potential applicability of results		X				
Formal and graphic level of the thesis		X				
Student's personal approach		X				

Mark x in the corresponding box.

Supervisor's final evaluation is based on his/her overall subjective evaluation.

Grading is stated literally in the article no. 5, neither by a number, nor by a letter.

### 2. Comments and remarks on diploma thesis:

The presented Master thesis is focusing on improving working conditions at machining laboratory at the research centre CXI. First, the student identifies, defines and describes necessary methods and tools in the literature review chapter to use them in the practical part of the thesis. The practical part of Master thesis is structured according to classical Six Sigma methodology DMAIC, where goals are defined at first following by manufacturing system analysis, the definition and selection of improvement variants, projected improvement budget and examples of partial implementation. The main contribution of this thesis is the precise implementation of the 5S method, suggesting a new layout including a general model of new assembly workspace. It's a pity that the thesis does not include complete drawing documentation, however, it was out of the scope of defined work.

### 3. Questions about diploma thesis:

- On page 71 table 11 are presented weights of criteria. Explain how you set the values of these weights.
- The analysis part was based on the process of manufacturing student projects because of missing real data about regular jobs. What would be your suggestion to improve this situation?

**4. Supervisor's statement on results of the inspection carried out by the anti-plagiarism program in the STAG system:**

According to the control in information system STAG, this thesis work is original – without plagiarism.

**5. Supervisor's grading of the diploma thesis:**

Excellent minus

Date: 16.6 2020, in Liberec

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*Supervisor's signature*

