DIPLOMA THESIS EVALUATION

Student's name and surname: Vignesh Babu Kuduva Gopinath

Name of the diploma thesis: Design of manufacturing cell in the company BOS Klášterec nad Ohří

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:

Presented thesis has goal to design new universal line for luggage cover. Work consists of two major parts. The first, theoretical one, is describing principles of design of manufacturing systems and Lean manufacturing, however knowledge of chapters 3.2-3.4 is not used in practical part. The practical part is than trying to design new manufacturing cell which would cover production of 5 types of the product. Student design new 3 layouts and select the best one by multi criteria analysis. There is also calculated return of investment base on workforce reduction, however there is no proof that defined number of workers will be enough to produce requested amount of production.
Additional remarks are:

- List of abbreviations is missing, however all abbreviations are explained next to its usage and they are used only once.
- Some Figures are in Czech language (Fig 11, 13), some mistyping (Figure 17 – Process analyse – analysis)
- Some figures (diagrams) are not numbered according to standard (pg. 43-45) Numbers in the graph overlays (Fig 18,19)
- Process diagrams are not following standards defined in theoretical part.
- Layouts suggestion should follow spaghetti diagram standard, however there is no indication where process starts (Fig. 25 and 27, 30 and 31 etc.).

- Description of automation is very shallow only mentioning equipment but not describing in detail suggested application.
- There is no evaluation of criteria in table 1 so there is no way how to validate scores in table 2.

3. Questions about diploma thesis:
- What does One piece flow criteria in Table 2 means?
- How did you set satisfaction score for space, movement and productivity in overall score (table) for layout. Why are there no units in those criteria?
- How did you calculate necessary number of operators?

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

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

5. Supervisor ´s grading of the diploma thesis:

Very good Minus

Date: 13.5 2019, in Liberec

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Supervisor´s signature