

DIPLOMA THESIS EVALUATION

Student's name and surname: Design of manufacturing cell in the company BOS Klášterec nad Ohří

Name of the diploma thesis: Paranthaman Nandhakumaar

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 thesis is focusing on the design of a manufacturing cell, merging two production lines into one. The theoretical part of the thesis is focused on general methods of analyzing and removing wastes and also on the basic rules, tools and constraints during the design of the manufacturing system. The practical part first analyses itself products from the point of rooting and manufacturing processes. It is also analyzing customer demand over the year together with time demands.

Student then suggests 3 variants of the layout, which are briefly described together with advantages and disadvantages.

One layout is then selected base on multicriteria analysis and verified by line balancing analytical method and by computer simulation.

I recommend the thesis for defence.

3. Questions about diploma thesis:

- What are the main differences between 1st and 2nd suggestion variant?
- What is the distance between workplaces 14/15 and 4 at 1st and 2nd variant
- Where are finished products stored and how they will be manipulated after being finished at stage 13 at variant 1 and 2?

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

The Plagiatory system found no matches. Thesis is Original

5. Supervisor's grading of the diploma thesis:

Very good

Date:, in Liberec

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Supervisor's signature

