

OPPONENT'S ASSESSMENT ON DIPLOMA THESIS

Student's name and surname: Baluchamy Balaguru

Name of the diploma thesis: Design of Communication Layer of Smart Factory

Supervisor of the thesis: Ing. Radek Votrubec, Ph.D.

Opponent: Ing. Martin Zahálka

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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 aim of this work is design control units to make communication between components of factory like vehicle to mobile phone and vehicle to the milling machine etc. Created control unit is based on Arduino board. Author designed library of general functions for automatons and structure of messages for Wi-Fi communication. It is necessary to appreciate the implementation solution on the two real systems.

Topic is actual. The presented work has a structure usual for diploma's theses, the text is written in English with quite a few minor inaccuracies which, however, do not hinder understanding and is completed by list of figures, symbols and references. The author's work with resources meets academic standards.

Author demonstrated good theoretical knowledge and skill for creative engineering work. The aim of the work was fulfilled.

3. Questions about diploma thesis:

What is the reliability of used sensors?





4. Opponent's statement whether the diploma thesis meets the academic title requirements and whether it is recommended for defense:

Work meets the Master degree requirements and therefore I recommend this work for defense.

5. Opponent's grading:

I suggest to classify this work by grade: **very good minus.**

Date 15.6.2020, in Liberec

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Opponent's signature

