OPPONENT´S ASSESSMENT ON DIPLOMA THESIS

Student´s name and surname: Gnaanesh Karunanithi Sumathi

Name of the diploma thesis: Dual-Material 3D Printing Using FLM Additive Technology

Supervisor of the thesis: Ing. Petr Keller, Ph.D.

Opponent: Ing. Jiří Mačenka

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						

*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 theoretical part and the researches of existing works are only marginal in this DT. In the practical part, the author made design changes of the cleaning brush to improve the printing quality of components. In relation to the assignment of the thesis the reader completely misses an article on the topic of the printing, which is to be published in a professional journal or at a conference.

In general, the author of the thesis did not go into much detail in any of the chapters. This would have been fine if brevity had not been at the expense of clarity and the reader had not merely guessed what experiments the author had performed and how he came at the results given in the conclusion of the thesis.

3. Questions about diploma thesis:

When you evaluate the work again in hindsight, what do you think was the most important factor in improving the print quality?

Why didn't you write a thesis article for a professional journal in accordance with the assignment?

4. Opponent´s statement whether the diploma thesis meets the academic title requirements and whether it is recommended for defense:
Despite the above comments, the thesis has met the requirements for an academic degree and I recommend the thesis for defense.

5. Opponent´s grading: Good

Date 16. 6. 2021, in Kosmonosy

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Opponent's signature