

OPPONENT'S ASSESSMENT ON DIPLOMA THESIS

Student's name and surname: **Abhishek Vittalapura Rajanna**

Name of the diploma thesis: **Design of Inverter and its Encapsulation**

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

Opponent: **Ing. Martin Zahálka**

DELBAG s.r.o., Slovanská 781, 463 12 Liberec XXV-Vesec

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:

All the stated objectives of this thesis have been met and solved.

The student has demonstrated good theoretical knowledge and ability to design a PCB board and practically implement the cooling of the power supply including the encapsulation. The theoretical part is very well described, the practical part lacks more detailed description and calculations of heat sink parameters, only basic formulas and simple calculations are given. The resulting problem is useful, as the topic is topical.

The overall impression of a well done work is only reduced by the written documentation, especially its language level.

3. Questions about diploma thesis:

Is it necessary to monitor the temperature of the inverter encapsulation and how can it be reduced?





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 11.6.2021, in Liberec

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Opponent's signature

