

I. IDENTIFICATION DATA

Thesis title:	Prediction in Practice
Author's name:	Shivang Jha
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Dept. of Information and Automation Technology
Thesis reviewer:	Josef Kokeš
Reviewer's department:	FME, Dept. of Information and Automation Technology

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	extraordinarily challenging
<i>How demanding was the assigned project?</i>	
The assignment is noticeably more demanding than usual for bachelor's theses. It combines a complicated theoretical part (understanding and mastering complex mathematical calculations of transformations), and especially the practical part, including the implementation.	

Fulfilment of assignment	fulfilled
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The assignment was completely fulfilled. The student worked independently and very proactively.	

Activity and independence when creating final thesis	A - excellent.
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
The student approached the problem quite correctly. Based on a detailed theoretical explanation of the "blockchain" technology, he evaluated the possibilities of individual cryptocurrencies. He then evaluated the possibilities of obtaining meaningful data volumes from individual exchange offices. He analyzed the obtained data in detail and drew conclusions from them. I evaluate his conclusions as realistic and beneficial.	

Technical level	B - very good.
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
The student identified the basic principles and elaborated them in the practical part. Unfortunately, this part is for the reasons that the student could not influence (covid-19) less extensive and less detailed than would be necessary.	

Formal level and language level, scope of thesis	B - very good.
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
The language of the work, as well as the spelling and formal editing, are very good. I consider the small volume of work to be a weakness.	

Selection of sources, citation correctness	Choose an item.
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
The literature is chosen appropriately. On the one hand, it covers the topics addressed in full, on the other hand, it goes into sufficient depth of detail. Work with literature is correct, possible citations are properly listed.	

Additional commentary and evaluation (optional)

Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.

The student approached the work independently and actively. I appreciate that he got used to the difficult topic. In the given situation, it was not possible to achieve results that could be used in practice.

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

Summarize your opinion on the thesis and explain your final grading.

I rate the work as nice, high quality, demanding and well done. I consider it a shortcoming that the promising experimental results that the student described are not tightened into a form of application that would allow their wider use.

The grade that I award for the thesis is **B - very good**.

Date: **25.8.2021**

Signature: