Tomas Bata University in Zlín
Faculty of Applied Informatics

OPPONENT´S EVALUATION OF THE BACHELOR´S THESIS

Student: **Milad Sulaiman Safari Barzani**   **Opponent:**   **Ing. Petr Žáček, Ph.D.**

Study program: **Software Engineering**
Study course/Specialization:
Academic year: **2022/2023**

Bachelor's Thesis topic: **Blockchain Technology in Business Logic**

Evaluation of the thesis:

      The student has chosen a topic, which is relevant to nowadays. An application of blockchain technologies as usage in logistics.

      The thesis "minimalistic" describes Blockchain technologies in the theoretical part and the practical called "analysis" There are chaotically described chapters, which include "Introduction to the technologies", "Contract", and "Design of the application". Where a brief description of implemented code is written and shown some pictures of the application. The description of the implementation should have its own big chapter instead of putting it into the "Design" part, which is based in my opinion not a description of the "Design". Design should be about functional and non-functional requirements, which are

      The formal page of the thesis is, at the least, the amount of the text is quite unsatisfactory if we count the number of standard pages. The whole text and description of the practical part could be counted as "minimalistic" and there are plenty of mistakes – figure mentions in the text not corresponding to the picture captions. The conclusion is not concluding the thesis and many others.

      So I suggest an "extensive" defense with a practical demonstration of the results. English level is satisfying.

      Fulfillment of some points of the assignment is difficult to assess, mainly points about "State of Art" and "Design".

Overall the text of the thesis looks written a few days before submission and the work deserves a grade between E – sufficient and F – insufficient. Even so, I recommend the work be defended, where the student must demonstrate if the grade could be E – sufficient or not.

Questions for defense:
1.   Can you tell what has come first? Blockchain or Cryptocurrencies?
2.   Is your solution the only existing solution for the application of blockchain in logistics? Can you describe the "State of Art" ? And if yes, how is your solution different ?
3.   Are the data encrypted before sending ?
4.   Can you please sum up, what is the added value of your work, I was not able to find it in the Conclusion part.
5.   Can you describe how the application was tested ?
6.   Can you describe the Fees for the user using your application ?

Overall evaluation of the thesis:
The Opponent shall grant a mark according to the ECTS classification scale:
A – Excellent, B – Very Good, C – Good, D – Satisfactory, E – Sufficient, F – Insufficient
An "F" grade also means "I do not recommend the thesis for defence."

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I recommend this thesis to be defended and suggest the following evaluation: **E - Sufficient** **In the case of an evaluation grade of "F – Insufficient", please supply the main shortages and reasons for this assessment.**

Date: 4. 6. 2023   Thesis Opponent's Signature: