

Opposition report for Master's thesis

Version 2.1 – March 13, 2019

DV 2572: Master's thesis in Computer Science

January 26, 2020

Opponent	Name	Srinivasa Vasanth Chowdary Kancheti
	e-Mail	srkb17@student.bth.se
	Social security nr	19960818-6830
Thesis	Title	Using Blockchain for improving communication efficiency and cooperation: the case of port logistics
	Author(s)	Hangdong Chen

1 Introduction

This is a brief overview of the thesis “Using Blockchain for improving communication efficiency and cooperation: the case of port logistics” by Hangdong Chen. This is mainly based on the port logistics communication and digitization, specifically for the smaller ports to improve their efficiency. The author used the simulation technique to find out the possible solution to challenges faced by the smaller ports.

2 Critical review

- **Abstract:** Abstract is not well defined. The author should put a small summary of its complete thesis. So, anyone can understand the core of your thesis just by reading the abstract. Now, it seems like the small introduction of the thesis.
- **Introduction:** That is a good introduction to the thesis. The author starts from the initial point to the end covers all the points. The author writes the background of the study, then basic knowledge about the content. All the points of this chapter are clearly described by the author including problem statement, Research Significance, Aim and objectives, Research questions, and most importantly the Research approach.
- **Related work:** This section is poorly done by the author. In this section, the author must write about other researcher's work. What other researchers have done in this field and what result they got in their report or experimentation. How you can make your method better by going through their work. But, right now it seems like the author has written what he is doing in the thesis about KPI Selection, System Boundary and Tools.

- **Methods:** Under this heading, the author did the Literature Review which is wrong according to my point of view. In this section, the author should tell what methodology he is using to do his thesis, but the author started this section with other's work.
- **Results:** In this section, the author explains the results and mentions the results in the graphics but there is a major mistake. The author didn't mention the units on the graph's axes.
- **Conclusions:** Simply concluded his all thesis in a fair manner.

3 Required changes

- The author must proofread once again thoroughly to avoid grammatical errors.
- The author should work on the abstract and make it a small summary of the whole thesis. So, anyone can understand the core idea of the whole thesis just by going through the abstract.
- The author should correct the section of Related Work, put the Literature Review there that you did in order to understand what others did.
- I am amazed by observing a very small literature review with respect to a purely experimental approach to solve a huge issue with the help of blockchain. There should be detailed literature. The author has to study much more about other researchers so that a new person when he tries to read the paper can better understand what others have done and this can help the author how can he improve his thesis.
- In the chapter of methodology, the author has put the Literature Review. The author should move it to chapter two, meanwhile, the author should do a detailed Literature Review which supports its method.
- In the Result Section, the author must put the unit of quantities in the axes of graphs.
- In the whole thesis, the author put the name of Tables at the bottom. The author has to put the names as per International Rules of Writing (Top of Table) but it is optional according to his /her professor's guidelines.
- The author should follow the International Rules and put the List of Tables and List of Figures next to the TOC which is optional but the thesis is about blockchain methodology which is a major topic in Computer Science these days and in the coming future which helps the readers to understand more about the method technically.

4 Recommended changes

- In the page no. 18, heading 3.2.3, the author put some points with the numbering list. The author must capitalize on the first alphabet of each line.
- The author should enhance the formatting of tables by making bold the top quantity headings and the left one too if applicable.
- On page 21, figure 7 is hidden the part of a table of fault injection test.