Capstone Title: A Blockchain Implementation for Secured Vaccine Certificates

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**List of Revisions**

1. Panel Comments

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| --- | --- |
| Details | Action Taken |
| Simplify objective #3 and include NIST audit | Done - See page 3 |
| For objective #2, mention specific concept of Merkle DAG to be applied | Done - See page 3 |
| Further expand on Definition of terms | Done – See pages 6-9 |
| Include related literature mapping | Done – See page 10 |
| Add functional/technical specification and system requirements | Done – See page 42-43, 52 |
| Add system architecture diagram | Done – See page 54 |
| Add Relational database diagram | Done – See page 57 |
| Add blockchain data structure or mapping | Done – See page 56 |
| Segregate flowcharts into technical and functional | Done – See pages 59-62, 47-50 |
| Parallel results and discussions with objectives and conclusion. | Done – See pages 64-99 |
| Include performance/load test | Done – See pages 98-99 |
| Include database manipulation tampering results/findings | Done – See pages 88-90 |
| Add NIST audits to results and discussion | Done – See pages 95-97 |
| Fix diagrams to only include functional terms or technical terms based on its purpose | Done – Applied to all flowcharts and diagrams |

1. Adviser Comments

OK - Page 10 – Discuss Figure 1 – see page 11

OK - Page 51 - Discuss functional flowcharts – move explanation just below each flowchart – see pages 48-51

OK - Page 59 - Discuss technical flowcharts – move explanation just below each flowchart – see pages 59-62

OK - Page 94 – Discuss table results summary – see page 93

OK - On all areas – Use figure instead of figure orientation from explanation when pointing at an image as reference

On all areas – Fill out empty spaces with the next section

1. Research Reader/Grammarian Comments

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| --- | --- |
| Details | Action Taken |
| Remove usage of future tense and instead use either past or present tense | Done – Applied to all chapters |
| Remove usage of first- and second-person point of view. Use third-person point of view | Done – Applied to all chapters |
| Remove introduction or explanation on what the chapter is about | Done – Applied to all chapters |
| Spell out first usage of abbreviations to give reader point of reference | Done – Applied to all chapters |
| On chapter 3, start with theories and concepts then move application overview after it | Done – See pages 36-38 |
| Move miscellaneous images and source code to Appendices | Done – See Appendices |
| Create a table of functionality listing out brief description for each | Done – See page 64 |
| Put raw scan results in tabular form | Done – See pages 92, 94 |
| Further discuss table results of security scans by emphasizing mappings from the table | Done – See pages 95-97 |

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| Checked By:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Prof. Melinda M. Lupague | Approved By:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Dr. Khatalyn E. Mata |