**Nordic Blockchain**

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**[Number of characters]**

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# Preface

TODO: Find out if needed for this project (preface is for contextual introduction; do I need one?)

# Introduction

The Nordic Blockchain project is being developed single-handedly by the only group member (Luca Francioni), as such, the choice of the model for the process report is the Kanban Model; for reasons of simplicity, easy handling, faster maintain and update while also being simple to interpret.

# Group Description

* **Luca Francioni**

ICT Embedded Engineering student in VIA University College, 7th semester.

Born and grown up in Italy, in 1994 and moved to Denmark.

Various independent FOSS projects focused on IT Security, video games and OS manipulation; passionate about reverse engineering and moderately experienced low-level developer and applied cryptography.

# Project Initiation

By suddenly finding myself without a group, I had the freedom to choose a topic that I’m interested in without external influence: blockchains.

The blockchain topic is very widely applicable into different contexts and systems, but the idea of applying it to the banking context came out by the necessity of a bank transfer that took 5 days to be completed and noticed how a faster transfer is also a more expensive fee being applied.

I was very cautious with the planning of the documentation, as I knew the workload as a single member would be a lot different from the original impression, therefore I tried to define as much as possible the time dedicated to each individual phase of the project development, but at the same time leaving certain areas under “pending review and update” since I knew they’d be changed frequently.

I used Kanban model to plan ahead my work, as it is simple and fast to update and keep track of while working on the rest of the project, avoiding forgetting steps or details during the process.

# Project Description

The problem definition was initially defined with a vague goal of creation of a blockchain that can handle secure transactions but was not well defining the goal of the project and what would define the project completed.

As such, the problem definition has been reworked during the first weeks of development, redefining the goal integrally and better describing what is that the project premise is being built with.

The goal is now realistic as I chosen to only work towards the base structure of the blockchain, the transaction system and the steps involved to make a transaction reach the dedicated nodes (the most important requirement) and the correct functioning of it.

As such, I believe the project can be completed within the time limit and by following the planning done should only improve the progress.

# Project Execution

For content see Appendix 2 “Process Report – VIA Engineering Guidelines”.

# Personal Reflections

For content see Appendix 2 “Process Report – VIA Engineering Guidelines”.

# Supervision

Michael has been a good supervisor, readily responding to my emails and concerns, exposing and explaining defects in the writing process and helping me to understand needed reformulations of certain aspects of the documentation.

# Conclusions

For content see Appendix 2 “Process Report – VIA Engineering Guidelines”.

**Appendices**

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