



Cyprus International University

Faculty of engineering
Department of Software Engineering
2021-2022 Spring semester

**Masked Face Recognition System (MFR)
Activity Duration Estimate**

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V1

Table of content

ACTIVITY DURATION ESTIMATE

1.0	STATEMENT OF PURPOSE	3
2.0	CRITICAL ASSUMPTIONS AND CONSTRAINTS	3
3.0	Duration Estimate	4

1.0 Statement of purpose

The purpose of this document is to provide an estimate of how long it would take to complete each activity in the work breakdown structure of masked face recognition (MFR) project. This document contains (a) a list of the activities in the work breakdown structure, (b) the duration estimate for each activity, (c) an estimated project duration, and (g) any assumptions made.

2.0 Critical Assumptions and Constraints

- Chainlink to Kadena bridge: We partnered with chainlink labs to be the data providers for our project (Providers for off-chain data) and to create bridge between chainlink blockchain and Kadena blockchain and the time estimation for the bridge creation is 2-3 weeks, we assumed we will not face any issues with chainlink labs and the bridge will be done during the estimated time.
- Delivery time: We assumed the hardware parts will arrive on time without any latencies or logistic problems.
- Weekly work time: We assumed we will not have any exams or projects for other courses, because having exams or other projects for other courses will reduce the time spent on this project.
- Testing: We assumed that the project's testing phase will reveal reasonable errors that we could solve in a timely manner

3.0 Duration Estimate

Task	Time (days)
Order the hardware parts from Turkey	7– 15
Hardware Connecting	5
RFID coding	1
Face recognition coding	3
Masked Face Recognition	4
Database creation	2
Testing the hardware & software	2
Testing the system in many scenarios	5
EVMC Smart Contract coding	3
EVMC Smart Contract Testing	2
Chainlink to Kadena bridge	2
Testing the smart contract on the mainnet	2
Total days	39 - 46