

## **GEO-RESTRICTED TIME-TRACKING SYSTEMS (GRTTS)**

### **PROJECT SCOPE**

#### **OVERVIEW**

##### **1. Project Background and Description**

GRTTS is a proposed employee check-in, check-out and time tracking system intended for use by companies with small to huge employee bases in order to: -

- Replace manual check-in and checkout processes
- Eliminate long check-in/out queues
- Automate report generation for both the administrators and individual employees
- Enforce checkin geo restriction and bio-identification (face) to ensure authenticity

##### **2. Project Scope**

The project will include an administrator dashboard featured with:

- Employee registration, data entry and management
- Report generation

And an employee mobile application featured with:

- Employee identification
- Employee check-in, check-out and report generation

##### **3. Deliverables**

- UI prototype for employee's mobile application
- Backend Rest API hosted on DigitalOcean cloud
- Web-based administrator dashboard
- Employee's mobile application

##### **4. Specific Exclusions from Scope**

The following features will be excluded in the first implementation phase of the project

- Entry of employee bio-data (intended for employee authentication) into the backend storage through the admin dashboard
- Verification of employee bio-data on the employee's end device during check-in/out

##### **5. Implementation Plan**

The project will be implemented starting with the implementation of stubs that will guide the development of the UI prototype. After which the UI prototype will be designed

followed by Backend development to end up with a data-storage infrastructure exposed by a Restful API. The development of the employee's mobile application will follow and finally will be the development of the administrator dashboard.

## 6. High-Level Timeline/Schedule

#	Date	Description	Dep.	Comments
1	20/09/2022 - 27/09/2022	UI Prototype/Wireframe		
2	28/09/2022 - 03/10/2022	Backend Infrastructure development		
3	04/10/2022 - 17/10/2022	Employee's Mobile application development		
4	18/10/2022 - 24/10/2022	Admin dashboard development		
5	25/10/2022 - 27/10/2022	Testing		

## APPROVAL AND AUTHORITY TO PROCEED

Upon the appending of signatures by both parties listed below, this project will be considered approved and authorized to proceed to its implementation phase.

Name	Title	Signature	Date
Felix Otieno Okoth	Mr.		
Bruno Kiprop	Mr.	<i>SCCJ/01108/2018</i>	19/09/2022