PROJECT CHARTER

1.0 PROJECT IDENTIFICATION		
Name	*Computer Vision Aided Crowd Control*	
Description	*Design a camera system that will aid in ensuring that the crowd inside a certain establishment is within the maximum allowable customer range.*	
Sponsor	Marc's Industries	
Project Manager	Mr. Darren Quinio	
Project Team Resources	Alfred Abanto	Scrum Master
	Cris Marc Anading	Machine Learning specialist
	Russtin Tolentino	Machine Learning specialist, Front-end Dev

2.0 BUSINESS REASONS FOR PROJECT

- Help establishments in maintaining health and safety protocols by ensuring that the place is not too crowded.
- Since the pandemic, it is the utmost priority to lessen person to person contact therefore automation of crowd control is helpful during these times.
- The project can also be extended as a contract tracing system.

3.0 PROJECT OBJECTIVES

- Develop a working and reliable crowd control system using CCTV cameras.
- Lessen person to person contact by automating the crowd checking process.
- Log all the information gathered by the system.

4.0 PROJECT SCOPE

- This project includes human tracker via CCTV cameras.
- Basic interface will also be built to enable/disable the counting mechanism of the system.
- Logging features of the information gathered by the system.
- Login system that will have admin/regular employee credentials.

5.0 KEY PROJECT DELIVERABLES	
Name	**Description**
Wireframe	Proposed UI template to be used in the project
Project charter	Provide Project Description
Database System	Database system that will help maintain the users of the program.
Login System	Login feature to ensure that only authorized personnel can access the program
Human tracker/counting system	Proposed program that will track and count humans via cctv camera deployed inside the establishments.

6.0 MILESTONE DATES		
Item	**Major Events / Milestones**	**Dates**
1.	Present the proposed template	N/A

6.0 MILESTONE DATES		
2.	Project Charter	April 10, 2021
3.	Sprint 1: Dashboard / Home page	April 10 – April 23, 2021
4.	Sprint 1 Review & Demo	April 23, 2021
5.	Sprint 2: Maps Module	April 26 – May 22, 2021
6.	Sprint 2 Review & Demo	May 22, 2021
7.	Sprint 3: Reports Module	May 22 – June 25, 2021
8.	Sprint 3 Review and Demo	June 18, 2021
9.	Sprint 4: Miscellaneous Pages	N/A
10.	Sprint 4 Review and Demo	N/A
11.	QA / Testing / Sign Off	N/A
12.	Go Live	N/A

7.0 KEY ISSUES	
Severity	Description
Low	Lack of camera units to test the tracking and counting system.
Low	The pandemic greatly affected the Team's ability to work according to the schedule.

8.0 RISKS	
Description	Mitigation Plan
Inaccurate Tracking of People (Threshold)	Improve Tracking Accuracy through extensive testing

9.0 PROJECT'S CRITERIA FOR SUCCESS

- All modules, which refer to the Login UI, Database, Dashboard, Camera Feed Tracking are functional.
- The program and its components are tested before release. (Final Submission)
- The User interface is available in production by June 23, 2021.

10.0 CRITICAL SUCCESS FACTORS

- Feedback from Mr. Quinio.

11.0 SIGNOFF

Project Sponsor: Marc's Industries

Date: July 1, 2021