# Project Charter

|  |  |
| --- | --- |
| 1.0 Project Identification | |
| **Name** | *FPA (Find Parking Area)* |
| **Description** | *to solve the problem of random parking in Egypt and help the customers to find a parking spot.* |
| **Sponsor** | *Ministry of Interior - General Directorate of Traffic* |
| **Project Manager** |  |
| **Project Team Resources** | Staff: 4 flutter developers, 2 IoT developers, 2 embedded system engineers  Hardware: 8 laptops, 2 servers  Software: Software licenses (Google cloud platform or AWS) |

|  |
| --- |
| 2.0 Business Case |
| FPA (Find Parking Area) is a mobile app designed to be connected with parking sensors installed before in the legal parking area. the user will use the app to find the nearest available spot with GPS and calculate an estimated time to the location of the spot and add to it 4 min in max, if the user didn’t make it to the spot then the reservation will be canceled. |

|  |
| --- |
| **3.0 Project Scope** |
| 1. **the App will help the customers to search for an empty parking area by using GPS** 2. **saving time for customers to find an empty parking area quickly** 3. **help to reduce traffic jams.** 4. **The App will be linked to the user's e-wallet and the user will pay for parking per hour easily.** |

| **4.0 Project Sc** |
| --- |
| * To include recognition activities for all government departments * To address two components of recognition - a corporate component and a department component * Includes guidelines to govern corporate and department activities * Does not include mandatory requirements * Framework, research summary, guidelines and tools to be developed and implemented by March 2007 |

|  |  |
| --- | --- |
| **5.0 key Project DELIVERABLES** | |
| **Name** | **Description** |
| FPA(Find Parking Area) | mobile application that will be cross platforms, sensors. |

| **6.0 Milestone dates** | | |
| --- | --- | --- |
| **Item** | **Major Events / Milestones** | **Dates** |
| 1. | putting the plan and gathering the information about the project. | November-2020 |
| 2. | assign the team and set the requirements. | December-2020 |
| 3. | executing the project | joinery-2021 |
| 4. | test the first part of the project and fix the problems. | February-2021 |
| 5. | review the project and make an experimental test. | March-2021 |
| 6. | project closer. | April-2020 |

|  |  |
| --- | --- |
| **7.0 risks** | |
| Severity | **Description** |
| Low | We can’t get the resources in time. |
| Low | The stakeholders change their minds in some phases. |
| Medium | The team gives up on the project. |
| High | Natural disasters that can stop the wheel of work. |
| High | Tasks team much time. |
| High | New rules in the country. |
| High | a new commuter launches the project. |

|  |  |
| --- | --- |
| **8.0 BUDGET** | |
| **the budget allocated for this project is 2,000,000 L. E** |

| **9.0 Constraints** |
| --- |
| * This project must be delivered within the specified budget. * This project must be delivered in April 2021. * This project must be in the Arabic language. * The sensors must be instead after the experimental test. * The team member must give a session about how to use the project. |

| **10.0 Assumptions (required event must occur every fixed period)** |
| --- |
| * will get all resources required. * make a regular meeting with the team. * collect data from stakeholders and review the team progress with them |

| **11.0 Signoff** |
| --- |
| Project Sponsor:  Date: |