# ACKNOWLEGEMENT

The satisfactions that accompany the successful completion of our final year project phase-2 on **“Real Time Android Mobile Application for vehicle document verification using QR code”** would be incomplete without the mention of people who supported to make it possible, whose noble gesture, affection, guidance, encouragement and support crowned our efforts with success. It is our privilege to express our gratitude and respect to all those who inspired us in the completion of our final year project phase-2.

We are extremely grateful to our Guide **Rachel Evangeline Christian** for her noble gesture, support co-ordination and valuable suggestions given to us in completing the final year project phase-2. We also thank **Dr. R. N. Kulkarni,** H.O.D. Department of CSE, for his co-ordination and valuable suggestions given to us in completing the final year project phase-2. We also thank Principal, Management and non-teaching staff for their co-ordination and valuable suggestions given to us in completing the final year project phase-2

# ABSTRACT

* Android is popular operating system used for smart phones, it provides a user-friendly environment by enabling a touch screen user interface, camera, and widgets and so on.
* The digital service can avail by scanning a unique quick response code (QR code) in the vehicle.
* Platform allows user to get notification when the documents needed to be renewed and other services like online requesting for renewal of documents.

|  |  |  |
| --- | --- | --- |
| **Table of Contents** | | |
| **Chapter No** | **Chapter Name** | **Page No** |
|  | Abstract | I |
|  | Acknowledgement | II |
|  | Table of Contents | III |
|  | List of Figures | V |
| 1 | Introduction | 1 |
|  | * 1. Vision Mission and Objectives   2. Scope of the project   3. Problem Statement   4. Existing System   5. Proposed System | 2  2  2  3  3 |
| 2 | Literature Survey | 4 |
| 3 | System Analysis and Requirements | 9 |
|  | 3.1 Requirement Specifications  3.2 Functional Requirements  3.3 Non-Functional Requirements | 9  10  11 |
| 4 | Design | 12 |
|  | 4.1 System Architecture  4.2 Usecase Diagram  4.3 Data Flow Diagram  4.4 Sequence Diagram  4.5 ER Diagram  4.6 Flowchart | 12  13  14  16  17  18 |
| 5 | Implementation  5.1 Programming language selection  5.2 Selection of platform  5.3 Overview of modules | 19  19  19  20 |
| **Chapter No** | **Chapter Name** | **Page No** |
| 6 | Testing  6.1 Testing Process  6.2 Testing objectives  6.3 Levels of testing  6.3.1 Unit Testing  6.3.2 Integration Testing  6.3.3 System Testing | 21  21  21  21  22  23  24 |
| 7 | Results | 25 |
|  | Conclusion | 29 |
|  | References | 30 |
|  | Annexure | 31 |

**List of Figures**

|  |  |  |
| --- | --- | --- |
| **Sl No** | **Figure Name** | **Page No** |
| 1 | Fig 4.1 System Architecture | 12 |
| 2 | Fig 4.2 Usecase diagram | 13 |
| 3 | Fig 4.3.1 Level-0 DFD | 14 |
| 4 | Fig 4.3.2 Level-1 DFD | 15 |
| 5 | Fig 4.3.3 Level-2 DFD | 15 |
| 6 | Fig 4.4 Sequence Diagram | 16 |
| 7 | Fig 4.5 ER Diagram | 17 |
| 8 | Fig 4.6 Flowchart | 18 |
| 9  10  11  12  13  14  15  16 | Fig 7.1 Register Page  Fig 7.2 Login Page  Fig 7.3 Forgot Password  Fig 7.4 Profile Page  Fig 7.5 Add Vehicles  Fig 7.6 Generate QR Code  Fig 7.7 Scan QR Code  Fig 7.8 Show Vehicle Details | 25  25  26  26  26  26  27  27 |