

# **Low Level Document (LLD)**

## **QR Code Generator & Reader**

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# **DECLARATION**

We declare that this written submission represents us ideas is our own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources.

We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission.

We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

## Revision History

Sr.no.	Date	Author	Approver	Comments
1.	1/06/2022	Ashutosh Shinde		Raw Design
2.	4/06/2022	Ashutosh Shinde		Started work on Front end Design
3.	8/06/2022	Ashutosh Shinde		Completed Front End design
4.	11/06/2022	Ashutosh Shinde		Started work on Back end part
5.	14/06/2022	Ashutosh Shinde		Started work on API
6.	19/06/2022	Ashutosh Shinde		Completed Back end part.
7.	22/06/2022	Ashutosh Shinde		Testing
8.	24/06/2022	Ashutosh Shinde		Deployment of code on GitHub

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## 1. **Introduction:**

### **1.1 Scope of the Document**

- This section will cover details regarding scope of the document
- Low level design document will be at component level i.e., for website portal there will be one LLD

### **1.2 Intended Audience**

- This section will cover categories of audiences who will be referring/reviewing this document

### **1.3 System Overview**

- This section will capture overview of system application i.e. for what system is being developed
- Who are the stake holders of system?
- What are other external Systems through which this will be interacting.\

## 2. **Project Briefing:**

By QR Code Generator & Reader user can Decode The any QR Code and find the message given in that QR code, User can put Any QR code Image and can see the message given in that QR Code, Using this application User can be able to Generate QR code For Particular Name, Roll No. , Addresses, Email Ids, URLs. This is multifunctional Application That Gives You Benefits Generate QR Codes For Particular URLs, Web Addresses, emails etc. User Can Read Or scan QR code Image And It gives You Decoded Message in Text Bar. It is Open Source Web Application, No Need To sign in Or Sign Up or Permissions.

## 3. **Problem Statement:**

Create your own QR Code Creator and Reader website. You can take use of various JavaScript libraries to create and read QR codes. Your website should perform below tasks:

- User can create QR code for Text, Paragraphs, Links, Images, etc.
- User can use the website to read the existing QR code.
- Provide unique URLs for each QR Code when visited will open up the QR Code and its decoded message.
- User can customize the QR code by adding images or logos in the middle of the QR [OPTIONAL].

## 4. **Problem Solution:**

Develop the web application to Create QR code for given Link, URL or Text. In addition it will also able to Read the QR code Which is in Jpg or PNG format, and gives decoded message in Text Bar.

## 5. **Objective of the Project:**

The Main objective of project is to create QR code for any Text, URL, Website. It should Read the QR code & Generate Decoded message in Text box.

## 6. **Scope of Project**

Now a days the qr codes are used in every shops for Payment Purposes. QR codes are used in College. School ID cards, Employee ID cards in companies.

## 7. Requirements Gathering:

- Operating System – Windows 10
- Microsoft Visual Studio Code IDE
- Programming Language : JavaScript, HTML, CSS
- GitHub

## 8. Final Screenshots







