MINI PROJECT – I
(2018-19)

QR-Code Application
(80)

SYNOPSIS

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About the Project:

This project focuses on the creation and the readability of the Quick Response Code. It is the trademark for a type of matrix barcode (or two-dimensional barcode) first designed in 1994 for the automotive industry in Japan. QR-codes have become common in consumer advertising

The data is encoded into a Bit Matrix and from that to an Image. The reverse process occurs when we decode the quick-response code. Also, one can create a QR-code for his address, name, details, and his favourite shopping malls etc.

Motivation:

Since childhood we see advertisements of various products on the television and website. But, sometimes when we search for any website and found a lot of links with a same key words. So, user get confused which link he has to follow. So in order to redirect user to the exact desired information over the internet we can use **QR-Code Application**.

Future Prospects:

- This application can be merged with various other management systems, for example: Student Management System. They can also be used in storing information use by organization. It can also be incorporated into currency.
- Can help to prevent **Phishing** attack by providing the QR-Code for the Website.

Advantages:

The main advantage of a QR code is its versatility. It can be scanned using any device having scanning capability. It redirects the user to the link for which the QR-Code is made.

Requirements:

- **Hardware:**
    - Intel dual-core 2.27Ghz System (Min.)
    - 10 GB HDD(Min. Req. : 3GB)
    - 2 GB RAM(Min.)
    - Internet Connection
    - User Device To Scan

- **Software:**
    - Operating System:
        - Windows 7,8,8.1,10
        - Ubuntu 14.04 to 17.04

    - Swings
    - Java SE 7. 8.1
    - Zxing