

Applications Of Quick Response (QR) Code In College Libraries.

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Abstract-

Quick Response is an innovative technology which saves time of users as well as staff. The present research paper focus on the various area in which QR Code technology is implemented. There are various area of college in which QR technology is used more easily & accurately. In this paper the researcher explained type ,structure &working of QR code in college library.

KeywQRds- QR , Quick Response ,Code ,College Libraries, Reader.

Introduction-

In the age of information technology, internet crosses all boundaries of information sharing. Quick is new technology that can deliver to the user the information code. The QR code is a type of 2D barcode which also known as mobile code & matrix code. QRcode has ability to anything converted into for quick access for later. QR code can be decoded at high speed and from any direction QR position detection patterns. Today QR code technology is used in libraries for promoting library services. Now a days this technology is used by libraries for providing quick access to their resources. Libraries are mostly affected by explosion of information hence QR code technology help to retrieve information in less time and in better way. In present condition mobile technology is gift to access information in less time & less cost.

QR Code –QR code was firstly invented by Masahiro Hara in japan 1994.This technology is similar to barcode technology but barcode technology can work in only one horizontal direction whereas QR code technology can operate two direction i.e. horizontal& vertical..QR code technology is two dimensional bar code which easily read by QR code reader. Ex QR code reader & software. GoQR.me , QRMobiliz, QR Stuff, ZXing

Type of QR code–There are five type of QR code.

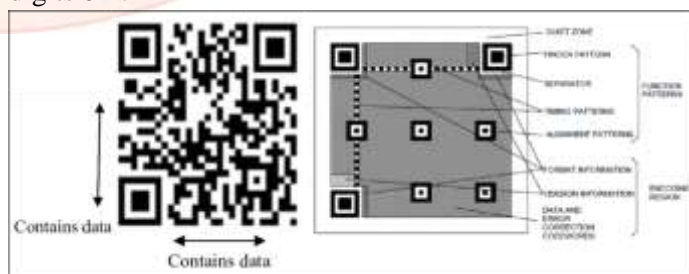
1. Model 1 & Model 22. Micro QR code3. IQR code4. SQRC5. Frame QR



Type of QR CodeSource-
<https://www.tech101.in/wp-content/uploads/2019/09/QR-types.png>

Structure of QR code–There are five elements fQRQR functioning.

1. Pattern – Pattern element of QR code having three big squares at the cQRner which wQRk as Identifyingsize,positionand angle.
2. Alignment Pattern-FQR modifying the distQRtion of QR code.
3. Timing Pattern.-fQR determining the central coQRdinate of each cell.
4. Quiet Zone.-To detect the QR code.
5. Data Area.-StQRe data converting into binary digits 0-1.



Source-

https://www.researchgate.net/profile/S_Ahmad6/publication/311394544/figure/fig1/AS:559881136635904@1510497473507/Structure-of-QR-code-Source-

[Adopted-from-http-www.wonbarcode.com-QR-code.png](http://www.wonbarcode.com-QR-code.png)

QR code application in college libraries.

College library is triangle of books ,user & library staff ,QR code technology is used in various section like circulation of books ,access for database ,and offering various library services.

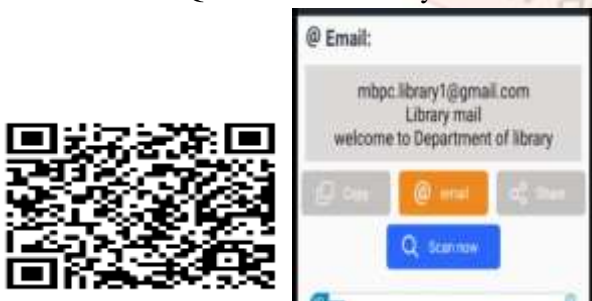
Following are the applications of QR code in which access of library resources in scan a code

In 21 st century due to explosion of information, libraries are fully automated .Today libraries are ethically bounded to serve quality based services beyond the boundaries. Today various type of library using QR code offers library services Most well developed libraries are used QR code for user ,in which user scan the QR code in which ,the detail information of libraries access in short time. In QR code technology various QR code generator website are available. ex. <https://www.qr-code-generator.com/>.

Due to curiosity of how to functioning of QR Code, researcher create library email QR code in which student scan this QR& get email id of library. Firstly Select QR code generator website then various options are available, select one of them and crate .with the help of e mail facility students contact to library department. This technology works as library guide to students.



Scan the QR Code For Library Contact



Scan QR Code of library e mail.

Secondly researcher creates a QR code of Google site for department of library. Google site of department is deeply connected with improving teaching learning process in the college. In the light

of this understanding, the Department of Library and Information Science of M.B.Patel Arts and Commerce College, Salekasa has designed a dynamic Google site for the students of the college. The Google site acts as a digital platform for finding and downloading required study material. Now QR code of this Google site created which very beneficial to student for accessing information.

Following information are available in Google site.- library update ,e journal ,e books, question paper & study material. library guide ,full text databases, download article file, ask a librarian sms service, for library exhibition



Scan QR Code of library Google site.

Uses of QR code in libraries.

- To give proper direction to users.
- To provide information to users.
- FQR marketing of library services.
- FQR promoting library services.
- FQR display of library programe to users. like books exhibition.
- To create link of e resource available in library.
- QR code provides users information.

Conclusion-

In this paper researcher try to adopt the QR code technology in library . Libraries are bounded with value based services, in which QR code technology is gift to libraries. QR code save the time of users as well as library staff . Hence this technology is used anywhere only minimum expenditure. Various large & research and development area libraries are used this technology in any section of libraries which very beneficial. This paper focus on that how to use QR code in library as well as advantages QR code technology.

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