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USES OF QR CODES IN LIBRARY, BOOKS, EDUCATIONAL MATERIALS

Ashok Rushiji Mathankar[1] and Sandip S.Gudelliwar[2]

[1]Dr. Khatri Mahavidyalaya Tukum, Chandrapur, Maharashtra India.
[2]Sardar Patel College, Chandrapur, Maharashtra India.
*Corresponding Author: armathankar @gmail.com, sgudelliwar@gmail.com

ABSTRACT:

Today, the majority of students own smartphones and use them frequently. In college libraries, QR codes make it simple to connect students to interesting and instructive content about your library without having to spend money or type it in manually. All they have to do is use their smartphones to scan the code. In addition to wireless technologies, QR codes provide a hassle-free and electricity-free experience. These QR codes can be printed and displayed in any online or offline medium while still being readable and stain-resistant.

Key words: - *Qr Code, E-Books, Library, Smart Phones.*

INTRODUCTION :

A QR code is a type of machine-readable data made up of a grid of black and white squares that can be read by a smartphone's camera to store URLs or other types of information. Readers can use QR codes to instantly enter the author's universe, access interactive content and related media, find related books, access related library materials, and link to Amazon or another independent bookshop to make more reading purchases. The creation of QR codes for books is simple, and they may be used to a variety of books, including library instructions and textbooks. They can access this world by using a QR code that connects to audio or video content. Additionally, QR codes are an inexpensive approach to change social media from a study distraction to a study help. By making manuals more vibrant and stimulating. Everything from worksheets and schoolwork to libraries and study spaces may be accessed via QR codes. Visits to libraries are becoming less common as education becomes more computerized. Analysis is now easier because to e-books and digital libraries. Now, readers may easily browse and choose books. Additionally, there are a few things that prevent physical libraries from maintaining a reader-friendly atmosphere. First of all, sifting through the lengthy library catalogue to find a book is tiresome. Additionally, readers will not want to wait in line even if it is a digital catalogue as another person looks for their book. Therefore, you need a quick and easy approach to find the book they want. Second, using library materials requires too much work from the readers. You do offer connections to internet resources for a book's study material, but few people will actually type the link into their browser to access it.

HISTORY OF QR CODE

A QR code a quick response code is a type of matrix barcode (or two-dimensional barcode) invented in 1994 by the Japanese company Denso Wave. A barcode is a machine-readable optical label that can contain information about the item to which it is attached. In practice, QR codes often contain data for a locator, identifier, or tracker that points to a website or application. QR codes use four standardized

encoding modes numeric, alphanumeric, byte to store data efficiently; extensions may also be used. The quick response system became popular outside the automotive industry due to its fast readability and greater storage capacity compared to standard UPC barcodes. Applications include product tracking, item identification, time tracking, document management, and general marketing.

A QR code consists of black squares arranged in a square grid on a white background, including some markers, which can be read by an imaging device such as a camera, and processed using Reed–Solomon error correction until the image can be appropriately interpreted. The required data is then extracted from patterns that are present in both horizontal and vertical components of the image nowadays, the use of QR codes is much more widespread, encompassing both commercial tracking apps and user-friendly mobile applications (termed mobile tagging). 14 million American mobile users scanned a barcode or QR code in June 2011 alone. 53% of the 14 million users were males between the ages of 18 and 34. Some 58% of those users scanned a QR or barcode from their residences, while 39% did so from retail establishments. According to a survey conducted in September 2020, 18.8% of customers in the US and the UK strongly agreed that they had seen an increase in the use of QR codes ever since the COVID-19-related restrictions that were in effect at the time had started a few months earlier.

USE OF QR CODE

• By reading customer evaluations and visiting the author's website, potential customers can quickly determine whether a book is the best choice for them when they are browsing bookstores. Additionally, they can investigate other novels in the series and access pricing data.

• Recommendations for more books by the author or works in the same genre can result in increased book sales.

• Readers can access a page where they can post comments on social media, leave reviews about the book, and interact with the author and other readers by scanning a QR code.

• Including a link to an interactive feature or other media encourages readers to read and enhances their learning.

• You can access a book trailer using a QR code.

• Convert written text to audio. You may make it easier for readers to decide whether to read or listen by implementing a QR code on the inside cover of your books. They can access a mobile page where they can hear a book excerpt by simply scanning the QR Code. If they enjoy what they hear, they can click the button on the mobile website that leads to the whole audio book after listening to it. By doing this, your QR code offers your readers extra benefits with every book they purchase.

• Offer excerpts to your readers. You can include a QR code on banners you put up to promote your most recent book so that people can easily view the synopsis or sample chapters. Your readers can scan the QR code with their smartphones and read a few pages to pique their interest in buying the book. Additionally, you may link to a page where users can buy the book online with each QR code if they wish to keep reading it.

• Books can be bought directly from publishers and downloaded right away to mobile devices using a QR code.

• Increase your sales by using QR codes that, when scanned, yield coupons.

• Publishers and authors alike can increase their marketing and brand potential with the use of QR codes.

WHY USE QR CODE IN LIBRARIES?

• Facilitate readers' book searches;

• Offer immediate access to reading material.

• Effectively market your library....

• Easily provide library contact information.

• Improve the environment of the library.

• Quickly provide more details about the library.
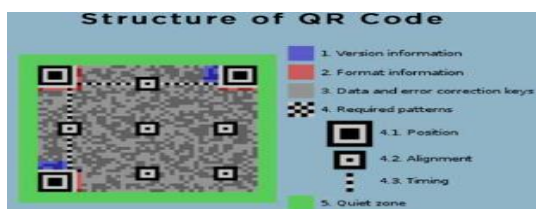
ADVANTAGES OF QR CODE

• QR codes encourage networking and sharing. Digital barcodes alone do not adequately describe QR codes.

• They can improve your SMO and SEO.

• You have a lot of creative freedom.

• You can gauge their efficacy.

• Customers adore them, and they connect your online and offline media.

DISADVANTAGES OF QR CODES

• Uncertain added value,

• Issues with some placements

• an unclear added value;

• security risks.

STRUCTURE OF QR CODE

UTILAZATION OF QR CODE IN GONDWAN UNIVERSITY AND LIBERARY

A unanimous vote by the Maharashtra Legislative Assembly on July 23, 2010, established the Gondwana University for the region that includes the districts of Chandrapur and Gadchiroli. The resolution was proposed by the then-minister of higher and technical education. All of the course material of Gondwana University is available online, and the university's exam schedule may be accessed by scanning a QR code.

SCAN THE QR-CODE AND GO DIRECTLY TO THE UNIVERSITY LINK.

https://unigug.ac.in

SCAN THE QR-CODE AND GO DIRECTLY TO THE SYLLABUS OF UNIVERSITY

https://unigug.ac.in/syllabus/

SCAN THE QR-CODE AND GO DIRECTLY TO THE PAPPER PATTEN OF UNIVERSITY

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