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# Usage of QR Codes in J.C. College of Law Library: A Study.

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**Abstract:** QR code is a 2-Dimensional code or Quick Response code. The QR is used everywhere for communicating information. The Law library also using QR code for disseminating services to users. In short space more information can be sent through QR code. The QR code is varied from traditional code or 1 dimensional code.

**Keywords:** QR code, 2D code, 1D code, Conventional Code, Law Library.

**Introduction:** The QR code is a 2 dimensional code, unlike the traditional 1 dimensional bar code the information stored in horizontally and vertically. The conventional barcode can store a maximum of 20 digit. QR Code has maximum 7089 numeric characters. The QR Code store information in the form of URL, Text, Image and PDF. The information can be read with the help of mobile device camera. Due to the usage of smart phone the QR code usage increased exponentially.

The QR code is used in different sectors like AIR Lines, Railway, Cinema Hall, Hotels and etc. The Library is not exempted from QR code usage. The library also using QR code for providing services. The Law is using QR code for disseminating Library services. The information like case laws which are in number of pages can be sent through QR code, it saves space and also the user can access the information instantly. There are as many as 23 QR Code categories like standard design, Fancy with logo, Fancy with background and etc. The QR code helps to bridge the digital divide. “QR code as a technology serve as a bridge connecting the offline world and our mobile lives” (Burg). As mobile usage become more popular among library users, the interest of using QR code in libraries has also increased in recent period. Now most of the libraries have begun to use QR code delivering services.

With advancement in mobile technology the QR functionality is now integrated in to a number of mobile platforms. ‘Even the standardization of codes and scanners issues has improved (Hasen).

## **Review of Literature:**

Raman, Pushkala and Kokonya Jacklyne (2012) studied the use of QR codes by consumer in the age of 18-35 years. Where the researchers found that the QR code usage continues to be a novelty and its use is not as common as other mobile device app usage. The consumer because of curiosity downloaded QR codes.

Walker, Molly Bernhart (2014) discussed the importance and applications of QR code that is considered to be the way to connect physical marketing and services to online resources with mobile devices. The author also analyzed usage of QR codes by different mobile applications like whasApp, WeChat and Wochacha.

Ewel, Ann (2014) explained the importance of QR codes and iPad in libraries, where the author emphasized the QR code and its linkage to databases. The emergence of fake QR code and their impact also discussed.

**Types of QR code:**

The QR code are 1. Dynamic and 2. Static.

**Dynamic code:** The dynamic QR code allow the user to edit web page address anytime they want without the need to reprint the QR code. In the dynamic QR code the owner of the QR code can change the address to which the QR code redirects to. When the user click on the URL that the user had originally entered, changing the address and confirming the changes, the same QR code will lead automatically to a new destination. The dynamic QR code helps the user not to reprinting of the code after changing the information. It is very user friendly.

**Advantage:**

1. The user's don't want to reprint
2. Save money and time.
3. Helps to correct mistakes.
4. Change URL only.

**The Static code:** Static QR codes point out to a certain address. The address is usually fixed. This does not permit the user to change the destination that the QR code and user once it is scanned. If the user change the destination the QR code links to create another QR code.

Difference between QR code and Bar code:

Features	QR code	Bar Code
Capacity	Numeric only – max.7089 characters Alpha Numeric- max. 4296 characters Binary (8bits) - max.2953 bytes Kanji, Full with kana- max. 1817 characters	10-20 digits
Durability against soil and damage	Reading is possible (up to 30% damaged)	Impossible
Reduced Space	40 digit Numeric (approx. 5mm*5mm)	10 digit numeric
360 degree reading	Support 360 degree reading	Horizontal Reading
Language Supported	Numeric, Alpha numeric, Kanji, Kana	Numeric

**QR code in Law Library:** QR code is used in everywhere. Law library is also using QR code for serving the users. In Law library the QR code is used for providing service like OPAC, URL, Document delivery (case law), and library orientation. QR code also useful to send seminar and workshop information through QR code, It helps to save the space.

**College website:** The QR is used to make awareness of the college. The college web site uploaded in the QR. The students can see the college website with the help of QR code scanner. When the students click on the QR code it shows the details of the college web site.



**Webopac:** The SVKM's group of institutions using KOHA software for cataloging the documents and use central server for uploading all the collection data of the institutions. The user can check the availability of the document through the QR code, based on that the user can access the document with the help of the librarian.



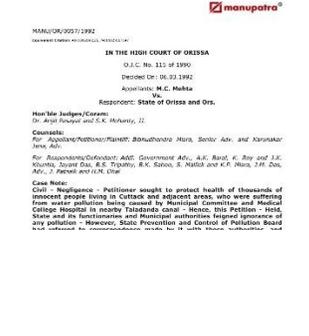
**URL:**

The SVKM's group of Institutions using more than 30 databases. The databases are put it in the central server. The database can access through Wi-Fi and Remote access. When the user using the URL of the database and password, they can access the database at their residence or in the college or wherever they are. Here all the databases are uploaded in the server and using svkm's address.

<p style="text-align: center;"><b>Our Legal Database Resources</b>  <b>( Manupatra, Westlaw India,</b>  <b>Hein Online , LexisNexis SCC</b>  <b>Online)</b></p>		
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**Document Delivery (case Law)**

Here the librarian can send the case laws to the students, where the librarian can save the space for sending case laws to the users with the advantage of QR code and mobile technology. The user can access the case laws wherever he/she is. It is not necessary to sit in front of the desktop/ laptop for accessing the case laws. The user also can save time and money for accessing the information.

<p style="text-align: center;"><b>M.C. Mehta Case Judgment</b></p>		
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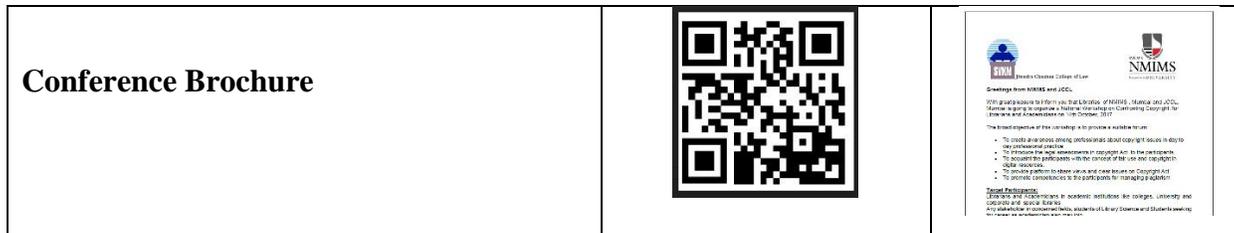
**Library Orientation:**

Library Orientation or the Information literacy program. The information literacy is in need of the hour because the advancement of the technology the user’s needs know how to access the information from different sources available in the library. The library orientation is prepared in the form of PPT and put in the QR code. Law library the students should know the basic of case laws. It is explained with case laws.

<p style="text-align: center;"><b>Library Orientation</b></p>		
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## Seminar brochure:

When the college conducting /organizing seminar or workshop that needs publicity or marketing. The brochure of the seminar can be uploaded on QR code. The user can access the information with the help QR code scanner. It save the space and also instant access of information.



**Conclusion:** QR helps to save the space of the paper and also helps to retrieve the information with the help of mobile devices. The QR is better than bar code in many ways.

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