

Briseno, 2012). This is done by attaching identifier tags to the different objects that are in a museums or a gallery. These tags contain useful information related to object (e.g. pictures, Web pages, voices or videos) that can be retrieved and displayed by a mobile device. For example when a tourist visits from a museum, he/she can access to desire information by using the QR Codes.



Figure 5. Identifier QR Code contains a URL address of a web page, pictures, voice or video related to object.

6. Conclusion and Future Work

In this paper the idea of using QRCode technology is proposed, in order to improve the Indoor Location Based Services. Also current technologies for indoor positioning are discussed. Then we evaluate capabilities of QRCode technology in comparison to current technology (WiFi, RFID and NFC). The most important advantages of using this new technology in indoor LBS systems are easy implementation, spending less expenses, quick data retrieving, possibility of scanning barcode from different rotating view, no need to preprocessing, more internal memory capacity, possibility of printing the QR Code on different products and no need for complicated hardware and software infrastructures. In implementation section we design a location based tourist guide system in indoor environment using QR Code technology.

7. References

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