

PROJECT REPORT ON  
QR NAVIGATOR

Submitted in partial fulfillment of the requirements for the award of the degree of  
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*This is to certify that the project work entitled*

**QR NAVIGATOR**

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*In partial fulfillment for the award of Bachelor of Technology in Computer Science and Engineering from Cochin University of Science & Technology is a bona-fide record of the work done by them during the period of **DECEMBER 2014** to **MARCH 2015**.*

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## **ABSTRACT**

Smart phones are widely used as navigation aid nowadays. Most of the smart phones provide a built-in Navigation or Map application with some sort of GPS capability. These navigation applications provide accurate navigation for outdoor location using GPS unit of the Smartphone. But providing an accurate navigation inside a closed building is still a challenge.

Several solutions are available in the market for indoor navigation using Bluetooth, Wi-Fi and AGPS. But their reliability of navigation in all given scenarios is still a challenge. The main aim is to elicit a cost effective smart phone solution which helps in indoor navigation with the help of QR codes.

QR codes are used to provide location information to the user optically. QR codes will be used all across the building to carry the information required for the navigation system. The mobile application will use the QR codes to provide accurate indoor navigation for the user.

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