

RAILWAY RESERVATION MANAGEMENT & MOBILE E-TICKETING SOLUTION USING 2D BARCODE IMAGE THROUGH MMS

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ABSTRACT

The e-ticketing will rely on 2D barcodes, allowing passengers to purchase ticket using their Mobile Phone, PC or even at the counter.

Creating a 2D barcode train ticket will allow for tickets to be accepted at railway stations, this will allow passengers to print tickets at home or display them on their mobile phones. Rather than having diverse printed train tickets, the new barcode ticketing system will save rail companies money on printing and the passengers' time on waiting in line at the station.

In order to make transaction all the user need to do is open the mobile or normal website and fill in the criteria and purchase the ticket using their credit r debit card, however the tickets can also be purchased at the counter of the railway company. Te delivery of ticket for mobile users and PC users can be in 2 forms; save the barcode image generated after successful transaction or the barcodes will be delivered through MMS, for PC users they are also able to save the imagine to either their imaging device and get the barcode delivered through MMS.

In order to ensure validity, ticket inspectors will be equipped with 2D barcode readers which will scan the tickets barcode in order to authenticate details of the passenger's trip

The development of the system will be a combination of ASP.net (C#.net and VB.net), windows forms CE (C#.net and VB.net)