

Paperless Ticket Through Mobile

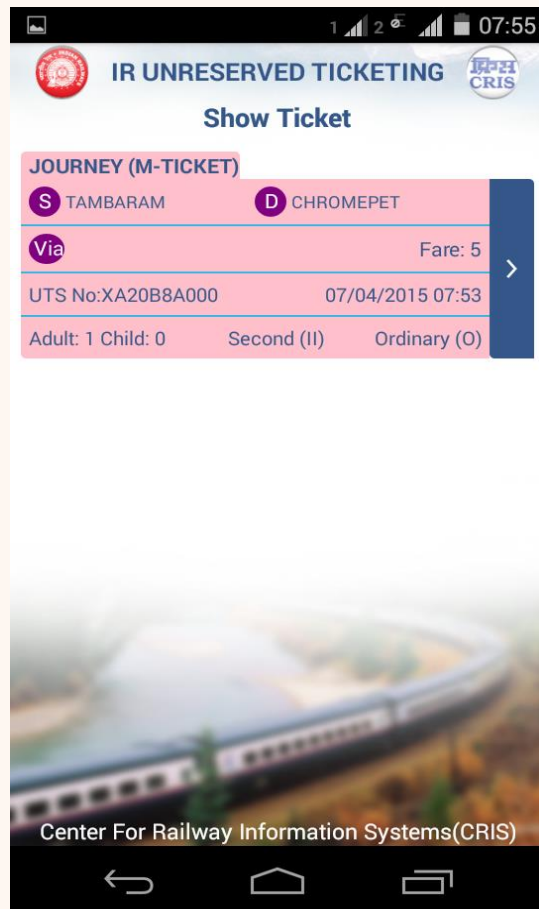
Paperless Ticket Verification

- The show ticket feature of the paperless UTS on mobile application reads encrypted data stored on the phone and converts it into a readable format. It displays complete ticket information with booking time and secret code with different colour scheme specified for that day.
- The authenticity of the ticket can be verified in the following ways :
 - Colour scheme: The colour scheme of the ticket should be correct for that day.
 - Secret code: The secret code of the day based on ticket destination which is displayed before booking time (Secret code is same as already printing on UTS paper tickets).
 - Booking Time: The booking time of the ticket which will be displayed as last line of ticket information.
 - Scrolling: Whether the legend “IR UNRESERVED TICKETING” is scrolling (This ensures that the ticket is not a snapshot of some other ticket).

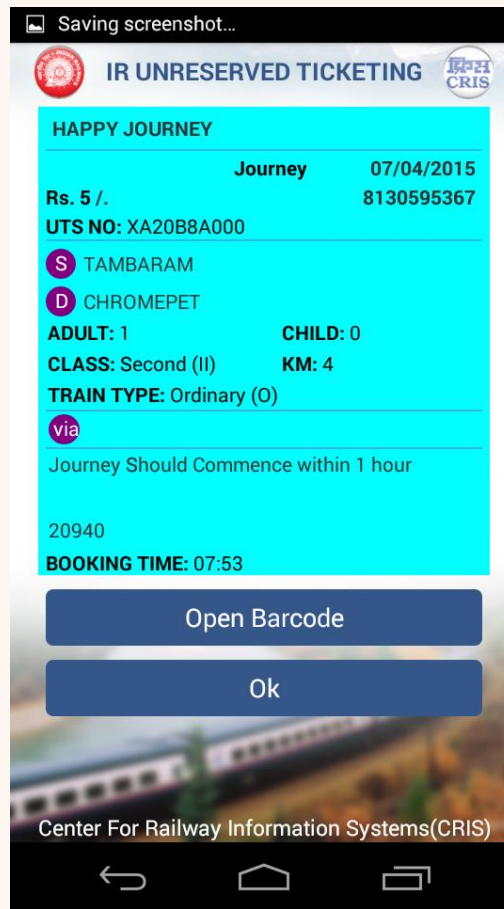
Paperless Ticket Verification

- The authenticity of the ticket can be verified in the following ways(cont.) :
 - Sync Option: If the TTE still has doubts that the ticket being shown is a replica, he can get the ticket checked through the UTS server by pressing the 'sync' button. When the sync option is exercised then all tickets stored in UTS on mobile application phone data base will be deleted and only valid ticket will be synced from server and stored in the phone database. Now he can check the re synced tickets for the following features as mention previously.
 - QR Code: The QR code is an additional feature provided in the application. The QR code contains encrypted ticket information along with mobile number which cannot be tampered with. Unlike the sync option, this feature will work even if passenger's mobile phone is not connected to the internet at the time of ticket checking.
 - TTE can read the QR code by using the application provided in the TTE smart phone. The QR code reader will de-encrypt the ticket information contained in the QR code and show the details to the TTE. TTE can use "call check" option to give a missed call to the mobile number displayed. If the passenger (whose ticket is being checked) does not receive the missed call, the ticket will not be considered to be genuine.

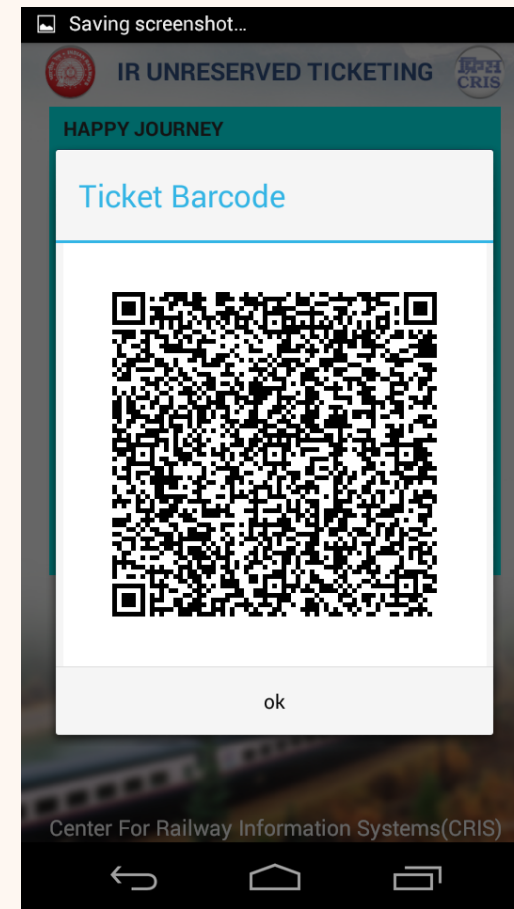
Screen Shots of Paperless Ticket



List of tickets

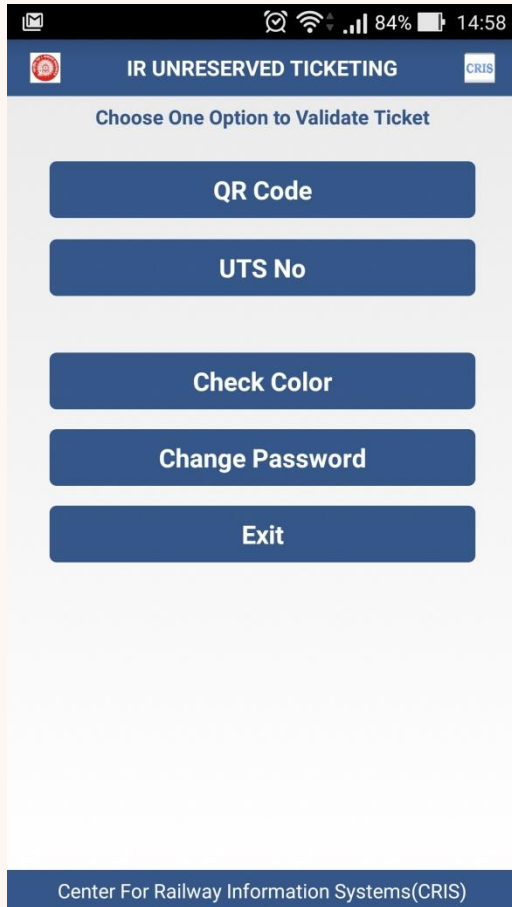


The Paperless Ticket

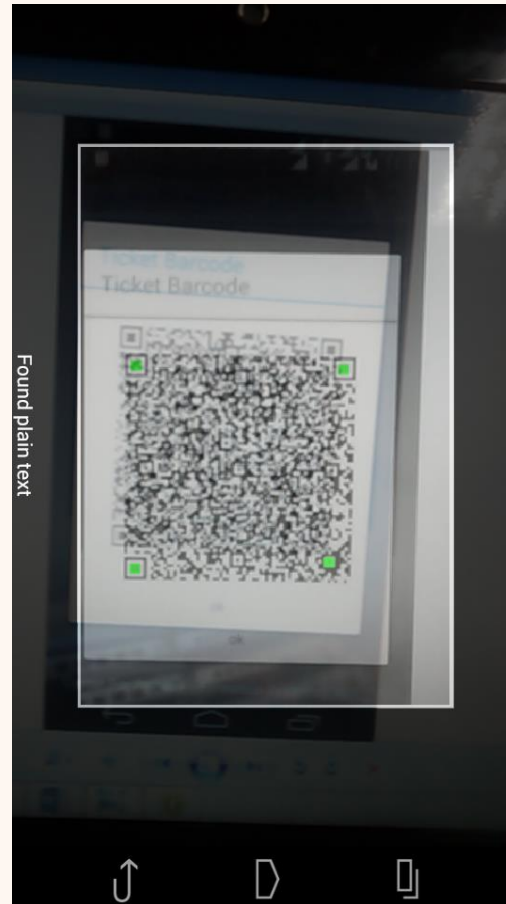


The QR code

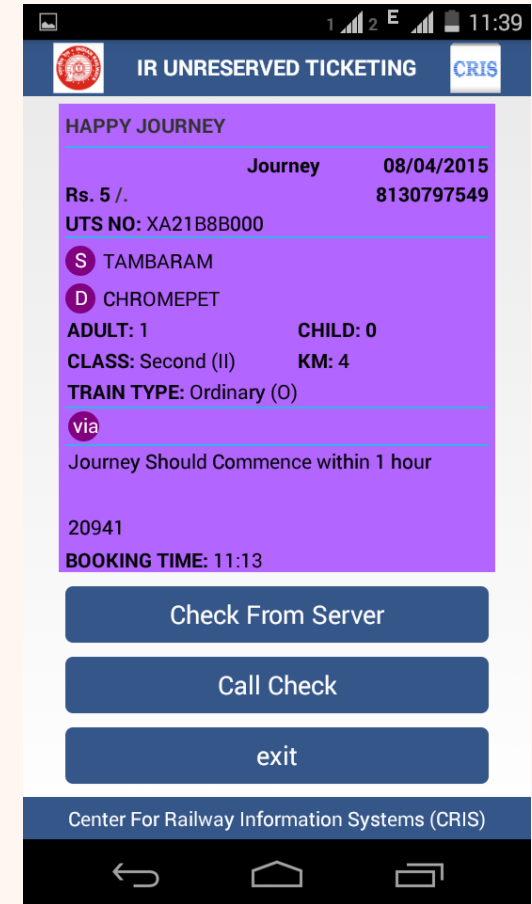
Screen Shots of TTE Application




Welcome screen of the App




Scanning Feature



The replica of the ticket



IR UNRESERVED TICKETING



Validate Ticket


Enter Mobile Number

Enter UTS Number


Check Ticket

Scan Cancelled

Center For Railway Information Systems(CRIS)



IR UNRESERVED TICKETING



Color Check Menu

2015-10-01

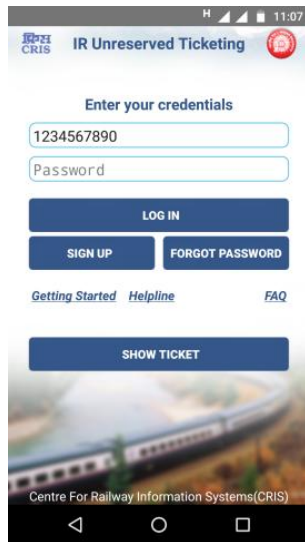
2015-09-30

2015-09-29

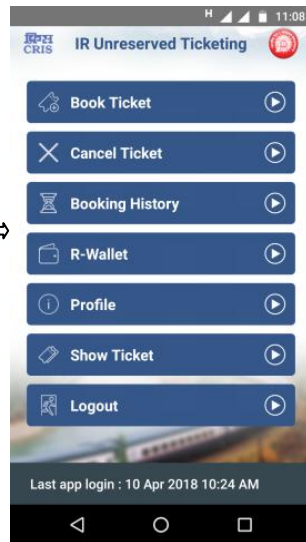
Exit

Center For Railway Information Systems(CRIS)

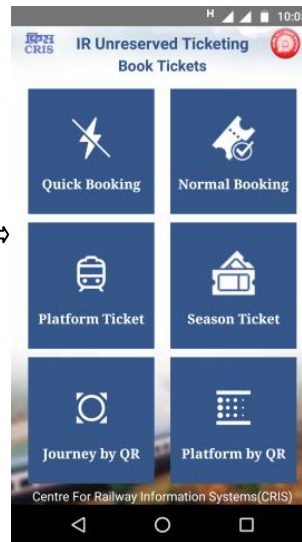
Instructions for Booking Unreserved Journey Ticket Using QR code



Login using Credentials



Choose Book Ticket



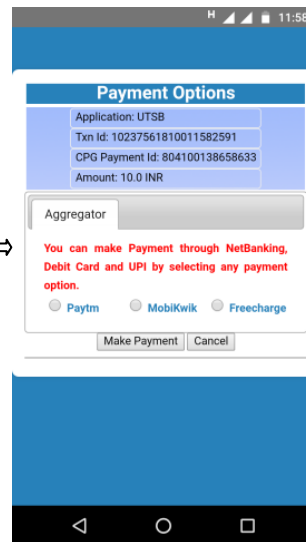
Select Journey by QR



Place your mobile phone against QR code placed at station



Enter Destination station /Select ticket details and Payment type

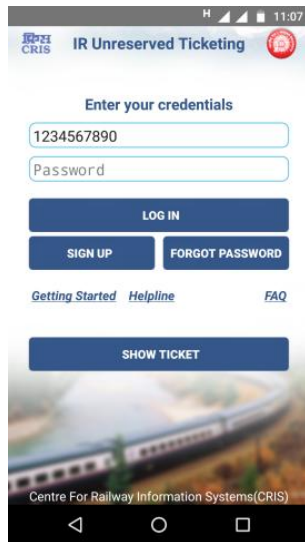


Payment can be done using Credit/Debit card/ Net Banking or UPI

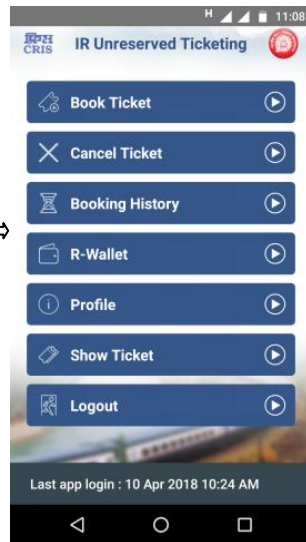


Ticket Booked

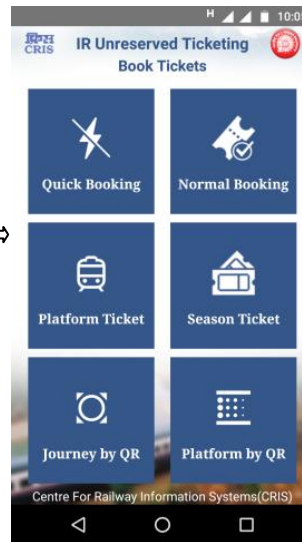
Instructions for Booking Unreserved Platform Ticket Using QR code



Login using Credentials



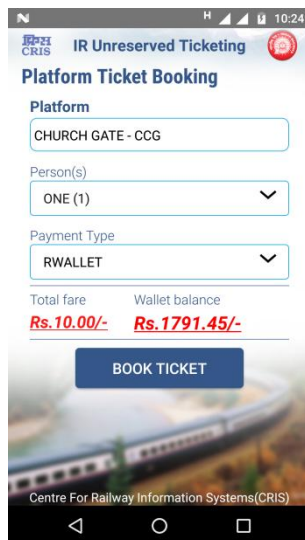
Choose Book Ticket



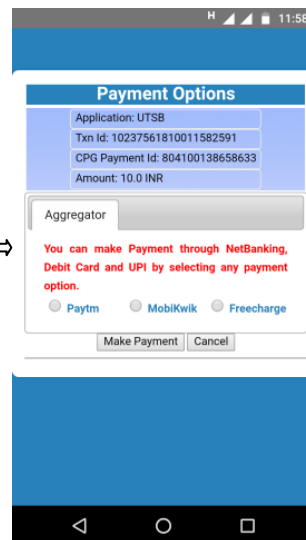
Select Platform by QR



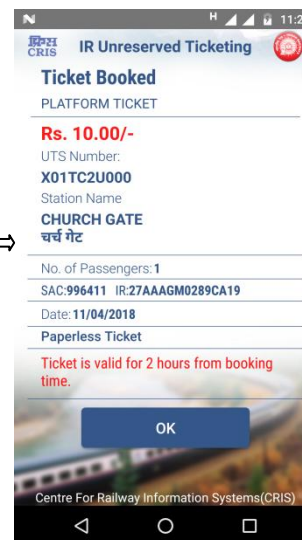
Place your mobile phone against QR code placed at station



Select no. of persons and Payment type



Payment can be done using Credit/Debit card/ Net Banking or UPI



Ticket Booked