Code and Results of Online Train Reservation System- A Proposed Method

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Abstract:
Today travelling has become priority. So railway transport is in demand. The passenger knows the information about the location of train. Passenger can get all the information like confirmation of ticket if it is in waiting by the PNR number. It is also possible to cancel the ticket online. This paper generates codes as well as results for the passenger who are booking ticket of train online.

Keywords: Indian Railways, automatic ticket validation, checking, revalidation, cancellation, data base.

I. INTRODUCTION

The utilization of transport voyaging is an expansive developing business in Cities and different nations; the manual utilization of train reservation is instantly extremely strenuous, furthermore devours a considerable measure of time by needing to remain focused in long line. For this reason, a proficient framework is to be proposed in this project to facilitate the issue of transport reservation amongst indigenes inside the nation. Ticket Reservation System is an online application that permits guests check transport ticket accessibility, purchase transport ticket and pay the transport ticket on the internet. An electronic ticket (commonly abbreviated as e-ticket) is a digital ticket. The term is most commonly associated with airline issued tickets. Electronic ticketing for urban or rail public transport is usually referred to as travel card or transit pass. It is also used in ticketing in the entertainment industry. An electronic ticket system is a more efficient method of ticket entry, processing and marketing for companies in the railways, flight, and other transport, entertainment industries. The proposed system describes online reservation as well as cancellation process.

II. LITERATURE REVIEW

The related works done by the authors to produce a smart ticketing system in the railway system which gives a good concession on seasonal tickets that can be subscribed for 30 days and the prepaid amount will deduct as per their travel. This model diminishes who failed to buy tickets, also analysis of the crowd, which can be used for railway authorities to develop their services [1]. Using Radio Frequency Identifier (RFID) the smart card distributed and differentiates seasonal or regular ticket and process according to it. Smart services which can be smart ticketing, travel customization and passenger service improved in different ways [2,3]. Integrating RFID tag in Railway ticket which is paid like a credit card which is the maximum reading distance of 10 cm, and power is 18 dBm [4-5].

III. PROPOSED SYSTEM AND RESULTS

Automatic validating train ticket implemented and tested successfully. Also, this system provides security and fraud detection, which is the person who is travelling without tickets and passengers travelling short distance tickets for long. This system contains fingerprint verification, which is very simple for everyone. Using location identification services the system identifies the person who crossed the destination and notifies to ticket checker. This system reduced manual work and will not allow any fraud occurs. The results are shown below: More than two million passengers travel by the Indian Railways (IR) including the tourists, regular and occasional passengers. Those planning a long distance journey need a reserved berth in train for which a long queue can be seen on the reservation counters or window. These counters are also called as PRS (Passenger Reservation System) where journey tickets are available physically. There’re different counters available for reserved ticket and unreserved ticketing. Apart from the ticket booking, there’re other counters like current reservation and inquiry counters completely flocked by travellers to get details on train running status or arrival and departure timings of trains. PRS system is operated via software called CRIS (Centre for Railway Information Systems) which allocates berth to the passengers as per availability. In the digital era, the tickets can be booked online via IRCTC website and passengers can also choose best food options in train via food ordering apps and book food for train journey in advance. In this paper, we design and achieve a railway online ticketing system. The system is structured into the data access layer, business logic layer and business exterior layer. Results are shown in Figure 1 to Figure 13.

Figure 1. New User to register for the system
Figure 2. Passenger Details are Filled In

Figure 3. Database that stores the details of users

Figure 4. Log-In Exiting Registered E-mail and Password

Figure 5. Train Schedule

Figure 6. Selection of Train

Figure 7. Train Schedule Database
IV. CONCLUSIONS

The field of technology is becoming more in advance. Considering of Railway department, e-ticketing facility was introduced where users browse through the governmental website and book their long journey tickets which is later printed to show to the checker when needed. After that a new technique was introduced called M-ticketing where user messaged to the web portal through mobile phone after which a complete web page was downloaded to the mobile phone after that user can perform all the booking process as like in e-ticketing facility.

V. REFERENCES


