APPLICATION FOR
TRAIN TICKET EXAMINER AND
SUPERINTENDENTS

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ABSTRACT: Indian Railway Transport has founded 164 years ago. Since then, it has grown to Asia’s 3rd largest and world’s 4th largest railway network. There are several personnel working under IRCTC, one of them is Train Ticket Examiners. The Train Ticket Examiners are those who check and verify the Passenger’s tickets. Train Ticket Examiner and Superintendents application are developed for replacing the physical copy verification and digitalize it. The Superintendent’s application allows Superintendents to allocate the train and coach to the TTE. The TTE’s application allows the TTEs to verify the passenger’s train. Because of these applications, IRCTC can save the budget on personnel. The scope of this project is that it will be one of the bases for digitalization of Indian Railway Network.

Abbreviations, Acronyms, Full forms: IR-Indian Railway, IRCTC-Indian Railway Catering, and Tourism Corporation Ltd, TTE-Train Ticket Examiners, PNR-Passenger Name Record, CRS-Computer Reservation System

I. INTRODUCTION:

Indian Railway is one of the world’s largest railway network. Considering the population of our country, each day 1.9% of the population travels on train based on the statistics given by the Indian Railway. We made an application for Train Ticket Examiners and Superintendents. The Train Ticket Examiner’s application allows TTEs to verify the passenger’s train tickets and the Superintendent’s application allows superintendents to allocate the specific train and coaches to TTE. The superintendents can reallocate train and coaches to other TTE if the already allocated TTE did not come. TTEs can view and verify only the train and coaches allocated for them. Since the reservation database final updates by one hour before the train dispatches, there won’t be any passengers left out.

II. EXISTING SYSTEM:

The Train Ticket Examiner and Superintendents do the job by using hard copies. Superintendents allocates the Train and coaches to TTE a day before. On the day one hour before the train dispatches, the TTE receives the list of passengers of the train and coach which he is assigned to in a hard copy. TTE verifies the passenger’s train tickets by cross-checking the PNR number from the passenger’s ticket and the list they have. If they found the PNR number, then they tick the passenger on their list. After completing the task, TTE submits the hard copy to their Superintendents. The Superintendents then gives it to the technical personnel to upload to the database.
III. PROPOSING PROJECT:

We are developing two applications, one for Train Ticket Examiner and another for superintendents. We are digitizing the existing system. To use the application each Superintendents have to register first. Then the Superintendents will able to send the registration form to the TTEs. After they register, the TTE can login into their application.

III. a. SUPERINTENDENTS:

The Superintendents application allows them to allocate a train and coaches to a TTE and if an allocated TTE didn’t come to the work, superintendents can reallocate that spot to other TTE.

*Figure III.a.1*

When Superintendents log in if the ID and password don’t match, the application notifies and redirected to the login page. Else, it goes to the home activity. The Superintendents can assign the TTE to a specific train and coach. They can also view which TTE assigned to which train and coach. Also, they can reassign a TTE to other train and coach.

*Figure III.a.2*
III. b. TRAIN TICKET EXAMINER:

The Train Ticket Examiner’s Android application allows them to verify the passenger’s train tickets. Also, TTEs can view the verified passenger’s data. TTEs can only view the passenger’s detail of which train and coach they are assigned to.

The TTE can login using their TTE ID and the password they enter while registration. If the ID and password were wrong, the app will be redirected to login activity. Else, it goes to the Home activity. On home activity, TTE can select the Train number and coach number and search the passenger list. In the verification activity, they can view all the passengers and once they select a passenger to verify, the other passenger under the same PNR number and same train and coach will be displayed, if any. TTEs can go back to the home activity and again select the Train number and coach number and view the passenger who and all verified.

III. c. DATABASES:

In the database, details about Indian railway personnel details in database and passenger details including their PNR number and seats, etc. will be stored in CRS. Only authorized personnel can access or modify it. The passengers who booked in the tatkal reservation and if any tickets canceled, those seats will be allotted for the waiting reservations. An hour before the train dispatches from the railway station, the passenger database will be updated. Once the TTE verifies and confirms the passenger’s train ticket, the data related to that PNR number on that train and coach will be moved to “verified” table in the database. So that IRCTC personnel can retrieve the data with ease.

IV. BENEFITS:

The TTE allocating process will be made less time-consuming. The train ticket verification process would be faster. Instead of giving the hard copy to technical personnel for digitizing them, our application is directly digitized and available for printing a hard copy also for future references. By this, our government can save a part of the budget.
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VI. CONCLUSION:

The proposed project will be one of the bases of digitizing the IR system. It will boost the verification process. Since our Indian government announced Digital India Programme and also it welcomes the project which helps our nation to digitize and develop, the proposed project has a good scope.

VII. REFERENCE: