Management System in Metro Train

**ABSTRACT**

Easy for station staff to operate, this system allows the output of a wide range of information to indicator boards as required. To improve passenger convenience. When Information are altered, normally the details are entered via the Operation Management System (ATS system), but if there is a serious diagram disruption, changes cannot be made fast enough and route control is performed manually. This system can deal with this extreme situation by providing the latest information about train operations along with automated passenger information by combining interlinked information with current line information.  
 The system status is monitored to ensure prompt recovery in case of failure or an accident, and functions are included to give warnings to maintenance staff if problems arise. Also, current information status can be checked to ensure that correct information is provided to passengers.

**Existing System**

System collects signaling information such as signals, points, track circuits, route setting, etc. from various station interlocking on Real Time basis. It also collects train identification information from the train originating stations. The system shall provide data input to relay interlocking at few locations for remote operation of points, etc. for control of train movements at these stations from Central control office at CSTM.

**Disadvantages**

1. Tickets are get from the Stations office, so Time is waste at the waiting in the Queue.
2. Don’t know the Exact time Finally Crossed Stations.

**Proposed System**

Station Names, Timing, List of present Trains, train description shall be displayed. Field objects should be as per geographical layout. For trains, only train #s shall be displayed in the online. We generate the information where ever and when ever. To get Exact time and Exact time crossing Stations. Tickets are get from the online, so Time is not waste For the waiting in the Queue.

**Advantages:**

1. To get Exact time and Exact time crossing Stations.

2. Tickets are get from the online, so Time is not waste For the waiting in the Queue.

### Implementation

Implementation is the stage of the project when the theoretical design is turned out into a working system. Thus it can be considered to be the most critical stage in achieving a successful new system and in giving the user, confidence that the new system will work and be effective.

The implementation stage involves careful planning, investigation of the existing system and it’s constraints on implementation, designing of methods to achieve changeover and evaluation of changeover methods.

**Main Modules:-**

1. **User Module :**

In this module, Users are having authentication and security to access the detail which is presented in the ontology system. Before accessing or searching the details user should have the account in that otherwise they should register first.

1. **Tickets Online:**

This is very important one for passengers for getting the Tickets Very easy And This Systems, not required for the more no of manual power and do not required more cost for employee salary. This is generate the tickets based on the train Travelling Kilometers and admin given cost for a kilometer include maintain cost also to calculate then generate the railway tickets cost.

1. **New Train and Import the New Stations.**

The Important work for Management System in train is to maintain the Stations time When Introduction of New train and New Stations because it makes so much of Difference in timing. If new stations are entered in a route it makes so many differences in timing and train speed also.

1. **Time Maintenance :**

The major amount of work for Management System in train is to maintain the time For User (Commuters) purposes. The times maintain is based on the Kilometers and speed dependent. time complexity in terms of the number of features in maintaining in train.

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# Configuration:-

# H/W System Configuration:-

# Processor - Pentium –III

Speed - 1.1 Ghz

RAM - 256 MB(min)

Hard Disk - 20 GB

Floppy Drive - 1.44 MB

Key Board - Standard Windows Keyboard

Mouse - Two or Three Button Mouse

Monitor - SVGA

# S/W System Configuration:-

* Operating System :Windows95/98/2000/XP
* Application Server : Tomcat5.0/6.X
* Front End : HTML, Java, Jsp
* Scripts : JavaScript.
* Server side Script : Java Server Pages.
* Database : Mysql 5.0
* Database Connectivity : JDBC.