PASSENGER INFORMATION SYSTEM

Intorduction

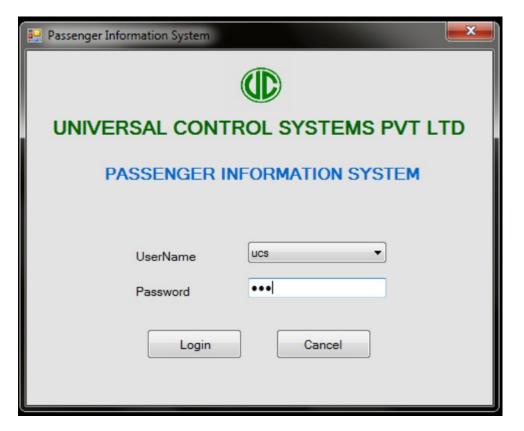
Passenger Information System is an important aspect of passenger amenity. Information about train location, next halting station and late running status of train, this system will help in enhancing passenger comfort.

This Front end Software application will help to communicate with PIS embedded unit, which placed inside the train coach.

The proposed system deals with the programming language using C#.Net and MS-Access database.

Login Screen

By using below user login screen, user can login into the application, and for maintaining the users data we are using MS-Access database .



• Enter a valid Username and Password and click on "Login" button. After successfully logging into the application below screen will display, where user can connect with the "serial Port" communication.



• Before setting the port details, check with "GSM Modem" configuration and set the port details. Click on "Connect" button.

• Once a connection is established successfully, below message will display.

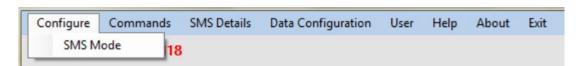


After successful connection established below window will display.

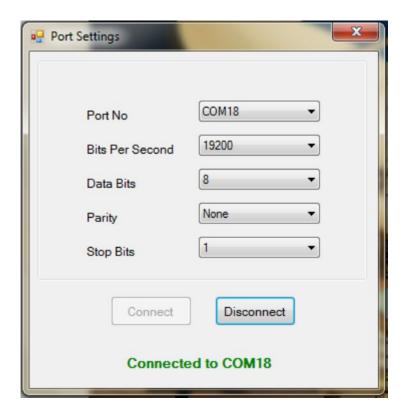


- Here in menu list we will have 8 menus.
 - 1. Configure
 - 2. Commands
 - 3. SMS Details
 - 4. Data Configuration
 - 5. User
 - 6. Help
 - 7. About
 - 8. Exit

CONFIGURE MENU



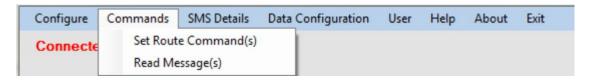
 Select "SMS Mode" and click on it, below window will display. Where the user can change/ Disconnect the port connection.



COMMANDS MENU

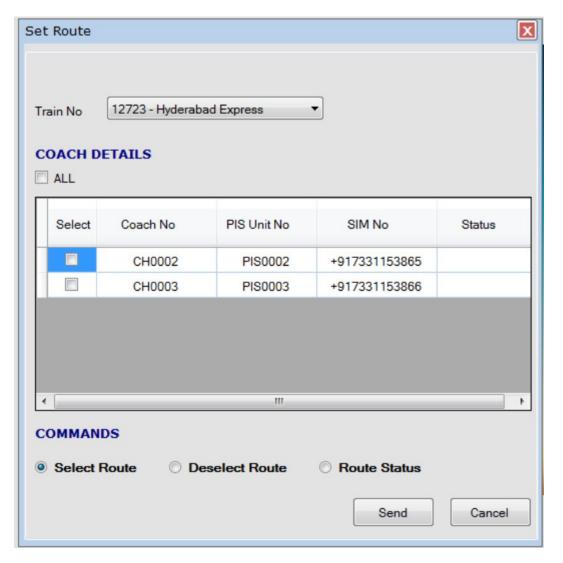
Under commands menu, we have 2 menus.

1. Set Route Command(s)

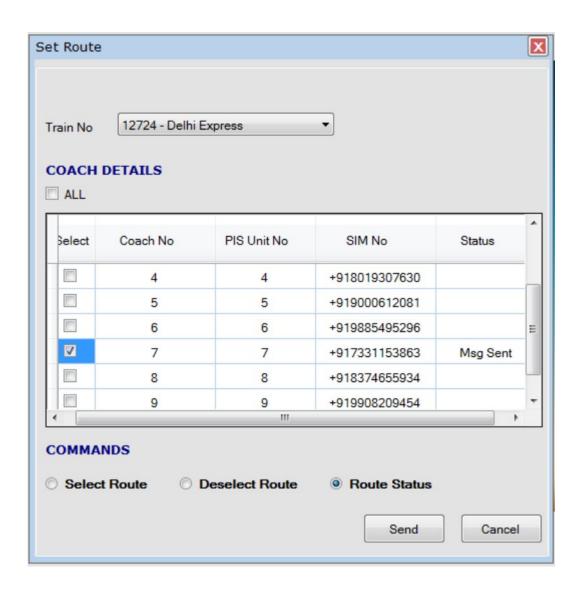


Set Route Command(s)

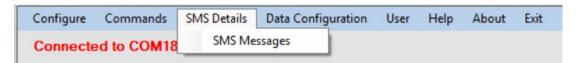
Click on "Set Route Command(s)" menu. Below window will display.

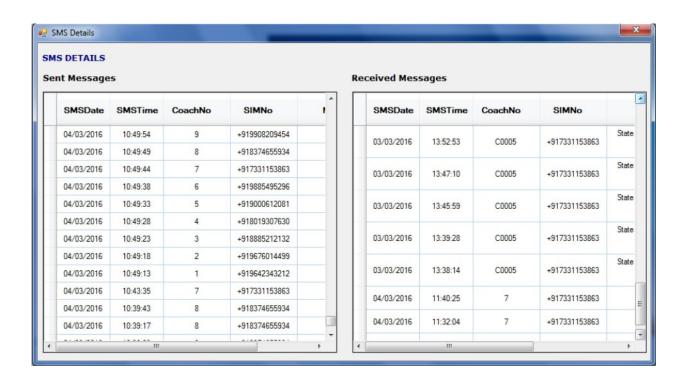


- To get the Train and Coach details, user can maintain Train and Coach details in database.
- Select the Train from "Train No", which will display Coach details of selected train.
- To send the messages/commands to coaches, select Coach by using checkbox as given below. OR user can select all coaches using "ALL" checkbox.
- From Commands, select the command to send the particular message.
- Select "Send" button and click on it.
- After Successfully message sent to the particular coach/ SIMNo, Status will update for particular coach as a "Msg Sent".
- If application is unable to send the message to particular coach/ SIMNo, it will update status as a "Fail".



 All the application Sent messages and Received messages will save into database. To see all the messages, go to "SMS Messages" under "SMS Details" menu and click on it.

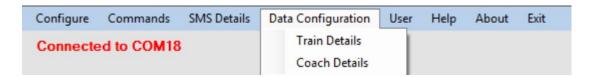




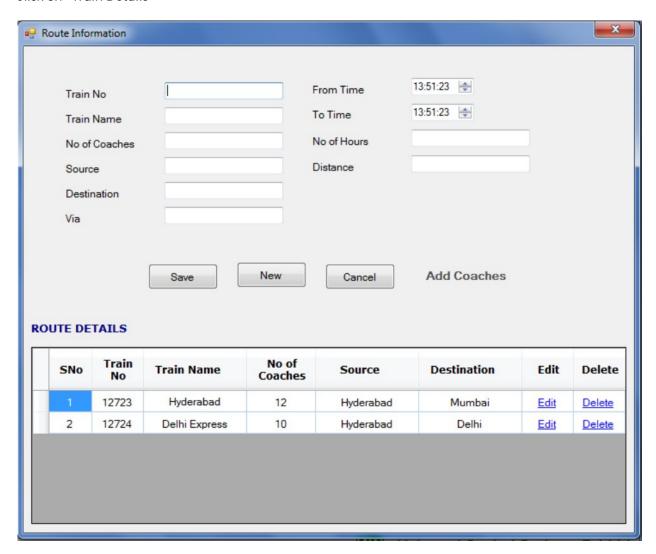
Data Configuration menu

Under "Data Configuration" menu, we find two menus.

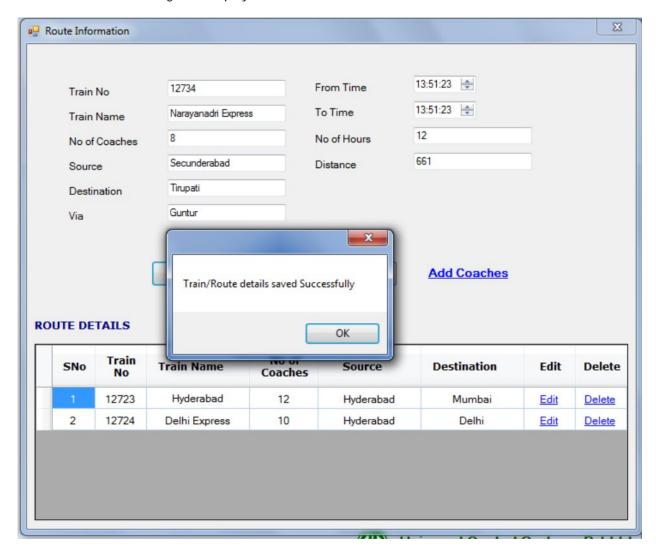
- 1. Train Details
- 2. Coach Details
- Only "Admin" can enter/ modify these details.



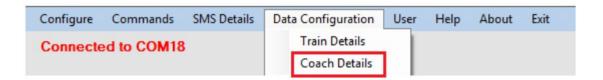
Click on "Train Details"

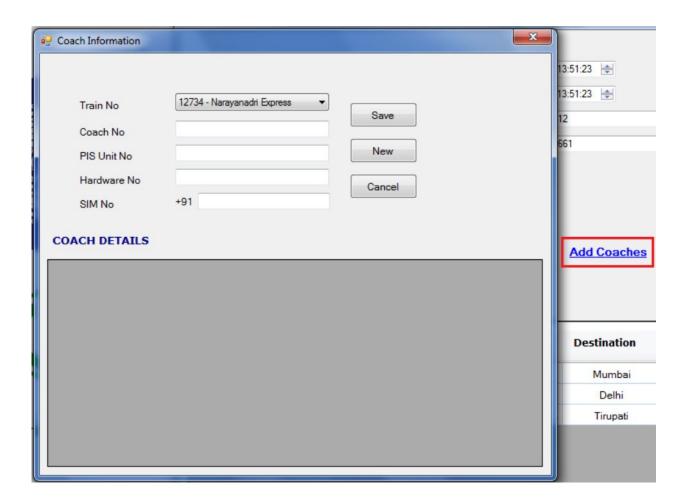


• Enter the Train details and click on "Save" button which will save data into database, below Successful message will display.

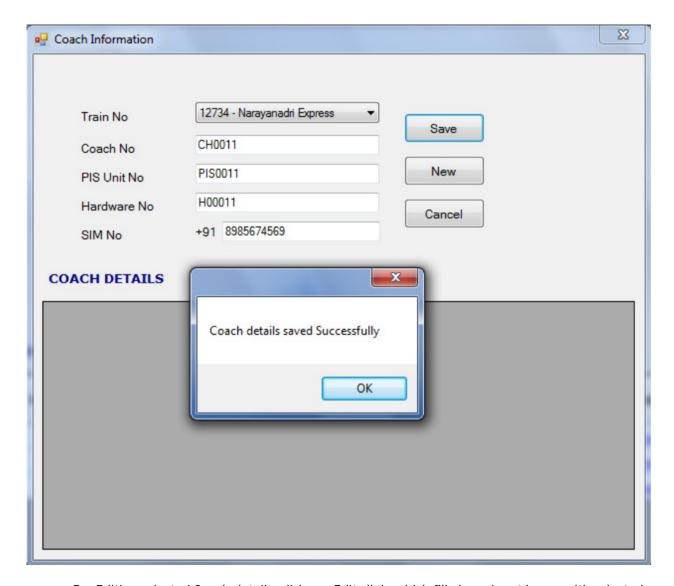


- For Editing selected Train/Route details, click on "Edit" link, which fill above input boxes with selected train details.
- For Deleting selected Train/Route details, click on "Delete" link, which will delete the details from database.
- To add Coaches for current train, Click on "Add Coaches" link. Which will display "Coach Information" window.
- Another way to display "Coach Information" window is, Under "Data Configuration" menu click on "Coach Details".
- Only "Admin" can enter/ modify these details.



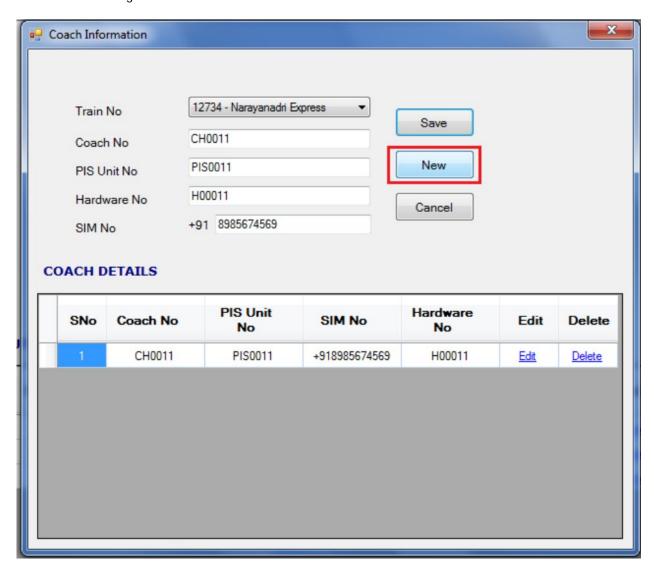


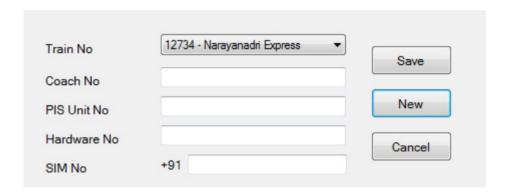
• Enter the coach details and click on "Save" button, which will save coach details into database, below Successful message will display.



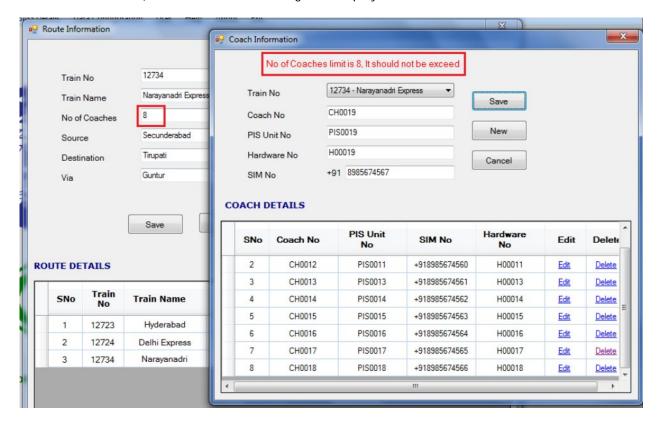
- For Editing selected Coach details, click on "Edit" link, which fill above input boxes with selected coach details.
- For Deleting selected Coach details, click on "Delete" link, which will delete the details from database.

• For clearing the details click on "New" button. Which will clear the details.





• If user tried to enter more than "No of coaches" (which was already declared in "Route Information"), below validation message will display.



User Menu

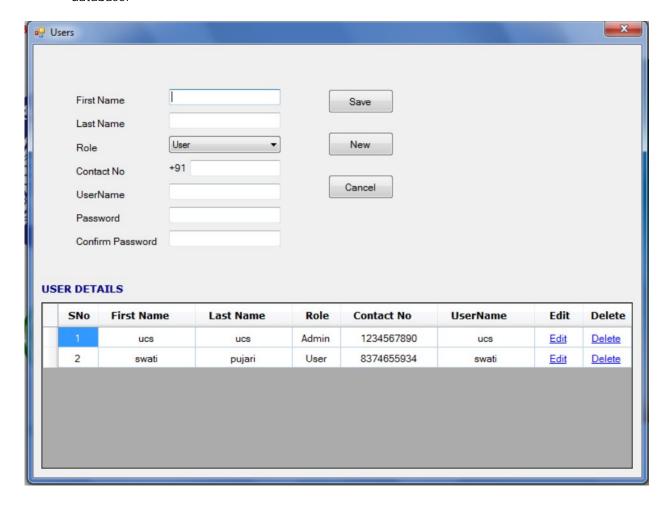
- Under "User " menu, Select "User Details" and click on it.
- This link will enable only for "Admin" user.



Below "Users" window will display.

- Only "Admin" can enter/ modify these details.
- Enter the User details and click on "Save" which will save data into database.
- Click on "New" button, which will clear the input boxes/ data.

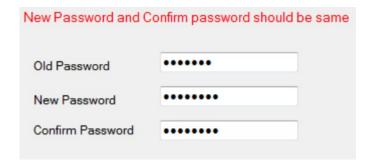
- Click on "Cancel" button, which will close the window.
- For Editing selected User details, click on "Edit" link, which fill above input boxes with selected user details.
- For Deleting selected User details, click on "Delete" link, which will delete the details from database.



- Now select "Reset password" menu under "User" menu.
- User can modify current password with the new password.



• Enter different New password and Confirm Password, click on "Save" it will generate below message



• Enter Valid New Password and Confirm Password, click on "Save" it will generate "Password updated Successfully" message.