

User Manual of Mobile/Web Based Transport Challan System

09/05/2016

National Informatics Center

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1 About e-Challan Project

Background:

NIC in collaboration with Transport department of various states of the country is working together to explore the possible ways of making online and office Challan facility with the cutting age technologies. After deliberation and discussion with transport department, it is noted that online booking of challan and updation of its data authentic challan collection and update from field on continuous basis is a challenge for department.

In order to address the above issue it is proposed to develop a comprehensive Android platform based on mobile application and web based challan system with following functionalities:

- ▶ An Android based mobile application for booking of challan for online and offline modes. For the location with poor signal quality mobile application with function in off-line mode and data will be stored in local database of device. Once the connectivity is established then the challan data will be synchronized with central server.
- ▶ Feature to capture geo-tagged photographs of vehicle, document and location of challan booking using camera of mobile device. Same photographs needs to be displayed on map with relevant information.
- ▶ A web based interface with feature of challan details view, Challan printing and payment of challan for Public User and RTO/ Department user.
- ▶ A web based interface for consolidated over view of system using MIS and dashboard features for state transport department / Admin user and Central Ministry User.
- ▶ Additional functionalities like e-payment for services, alerts through SMS and emails

2 e-Challan Mobile and Web Application:

e-Challan is a sophisticated software application comprising Android based mobile app and web interface, developed for the purpose of providing an comprehensive solution for Transport Enforcement Officers and Traffic Policemen. This app-cum-application is integrated with Vahan and Sarathi applications and provides a number of user-friendly features while covering all major functionalities of Traffic Enforcement System.

This is an end to end automated system with digital interface for all the stakeholders in purview of challan eco-system. The application offers customized interfaces for the following stakeholders:

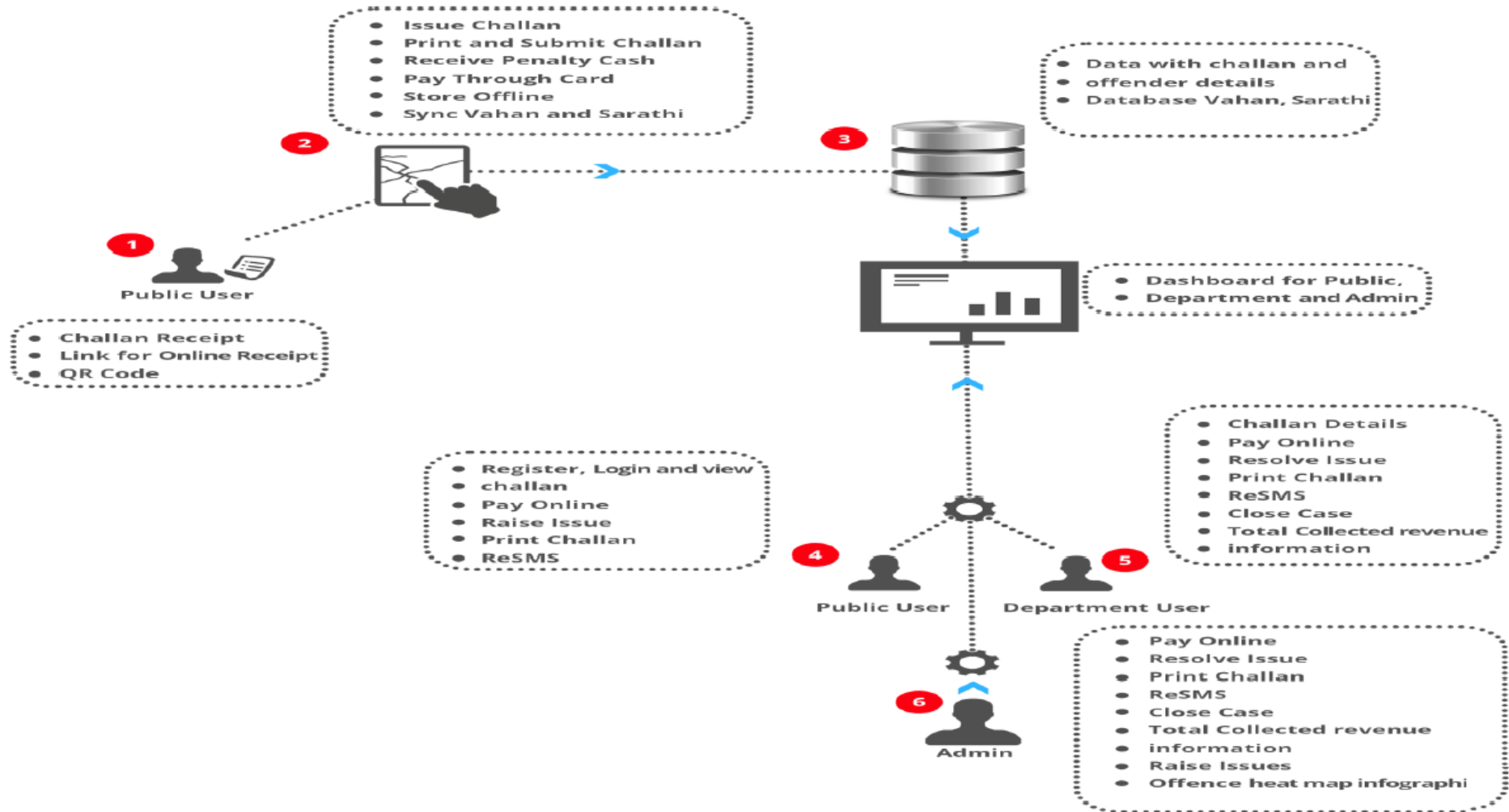
- ▶ Enforcement officers
- ▶ Citizens (private or commercial car owners/drivers)
- ▶ State transport office
- ▶ Regional transport office
- ▶ NIC admin
- ▶ Ministry of Road and Transport

The application introduces a novel concept of using mobile based app for issuing e-Challan. The mobile based access to the system is available only to enforcement officers through android smart phones. While the web based access is available to all the rest of the stakeholders, mobile based access ensures the services are available anytime anywhere. This application is built in line with the requirements of Vahan 4 and Sarathi 4 and shall be accessing and updating data from/to national databases.

Connecting all the stakeholders through a common system will ensure data integrity, reliability and transparency. End to end automation of the process will minimize the corruption and bad practices to minimal while enabling efficiency at each level of users. 100% digitization and documentation of records will help in improving the visibility on offenders, types of offences frequently committed, payments received on time etc.

The system aims to provide a perfect solution for the current challenges which the transport departments is facing with respect to tracking the challan records, payments, reports etc. by leveraging latest technologies which are easy to use, adapt and implement at the ground level.

3 Architecture of the application



4 Features and Functionalities of e-Challan Application

The system offers range of features and functionalities across two different platforms:

I. Android based smart phone / tablet

- ▶ The system provides for automatic location logging (place name, Lat-Long) through GPS.
- ▶ There is an in-built function to click and store photos of vehicle, documents and number-plate.
- ▶ The app can fetch vehicle/driver details from Vahan - Sarathi database by entering DL and/RC
- ▶ System can automatically calculate the challan amount based on the type of offence selected by the enforcement officer against the defaulter and the challan history of the defaulter
- ▶ The system offers synchronization of offline mode of challan issuance with online system
- ▶ The system enables onsite payment of challan through credit cards or cash
- ▶ Automatic alerts and notifications sent to relevant stakeholders at predefined stages of challan process
- ▶ Challan receipts are printed through a handy and portable thermal printer
- ▶ The receipt have the QR code which the defaulter can scan through his/her mobile to navigate to challan website for online payment of challan amount later
- ▶ The Enforcement Officers are able to search for any challan anytime anywhere
- ▶ The system allows for evidence to be collected through uploading the photo/video of the receipt and situation
- ▶ The system provides the work scheduling tool for Enforcement Officers which allows the admin to allocate work schedules through web while EOs can check theirs online on app
- ▶ Enforcement Officers can get details of sections under ACT through mobile app
- ▶ Enforcement Officer can give feedback to the NIC staff on the performance of the application through mobile app
- ▶ Currently the system is bilingual i.e it supports English and Hindi

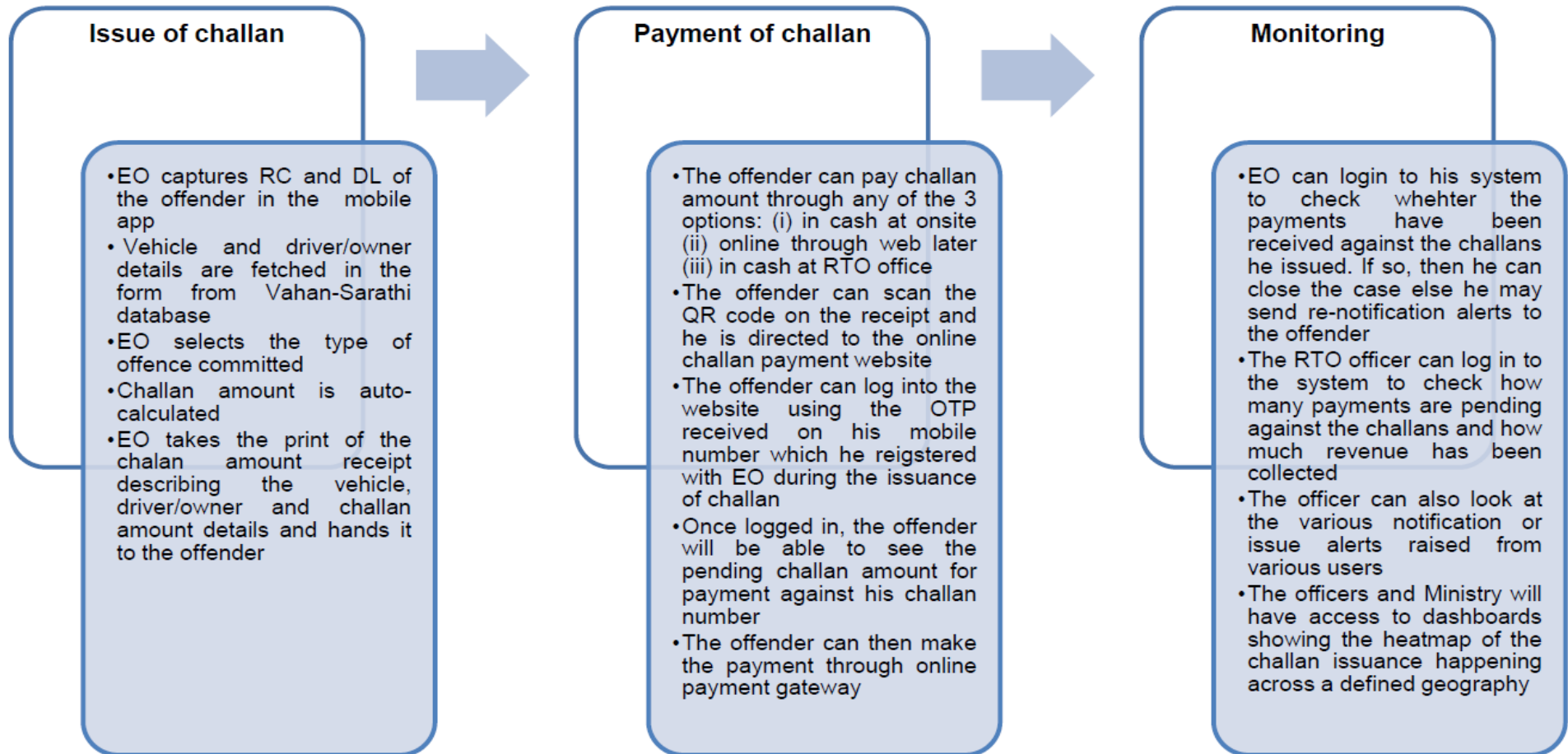
II. Web based

- ▶ The application can help in planning, based on the distribution pattern of challans across the city. It provides the user with a heat map showing areas with higher challan numbers in red. Moreover, the availability of numerous graphs would depict the revenue earned based on state, zone, district etc.
- ▶ Various privileges of the application such as Analytics, Job allotment, My Assignment, Vehicle / document Disposal etc. would be managed by the role management feature of the application
- ▶ User management feature of the application help in creating and managing users in department and with this module admin shall assign specific roles to other users.
- ▶ The application is let the department head allot job assignments for on road challan collection and the officer on the other side would receive the allotted duty sheet with address overlaid on actual location map.
- ▶ This application allow user to pay pending challan amounts online
- ▶ The notification mail box feature in the application can allow the departments to manage and track various notifications and issues raised by users or citizens
- ▶ Search facility is there to help the department search through challan/offence history
- ▶ Robust MIS dashboard for management to monitor and track progresses on cases
- ▶ Management tool for fleet owners to add their multiple vehicles and track their offence history

III. Upcoming features

- ▶ The system plans to upgrade to support **multilingual** feature to support state languages
- ▶ The concept of **dynamic QR code** may be implemented, scanning which will take the user directly to his/her own customized profile on website
- ▶ Options to search for **nearby RTO offices** and officers on duty
- ▶ Chat room and **training** module for Enforcement Officers
- ▶ **Theft control** through automatic location tracing via GPS
- ▶ **Voice communication** tools for Enforcement Officers to communicate urgent messages
- ▶ **360* feedback** from various stakeholders involved in issuing and receipt of echallan
- ▶ **Chrome app** for quick and easy access of website
- ▶ **E-Challan wallet** for quick and easy payment of challans and also generates surplus money for the transport department

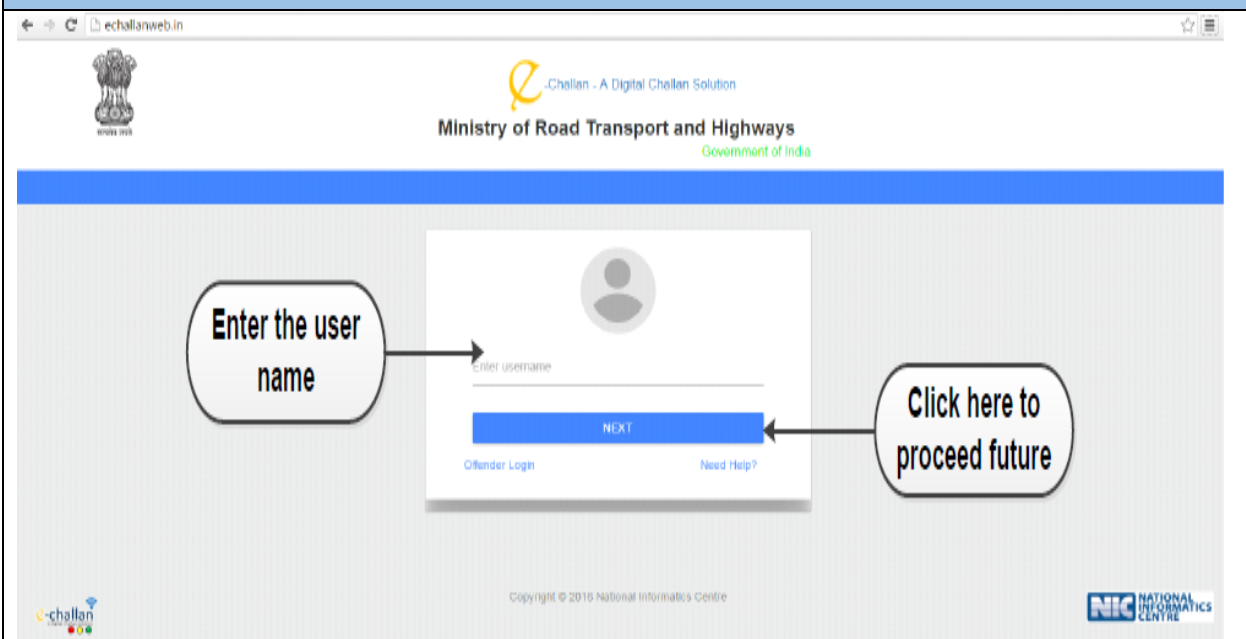
5 e-Challan Process Flow



6 Tooltips of e-challan web application

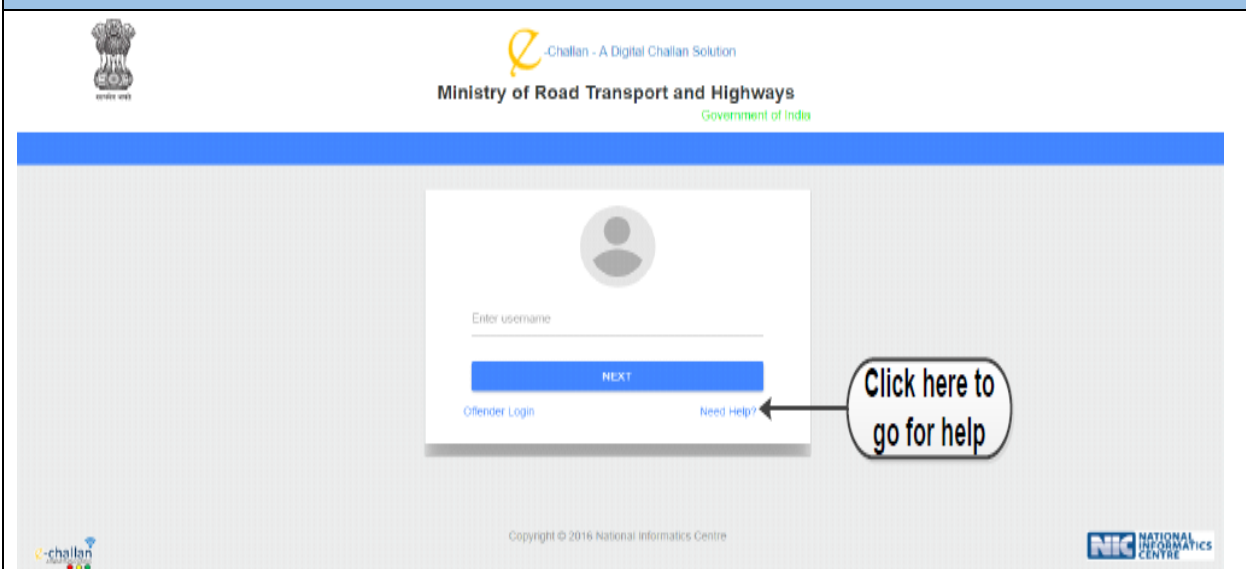
6.1 Admin User :

Login Page for accessing the web application



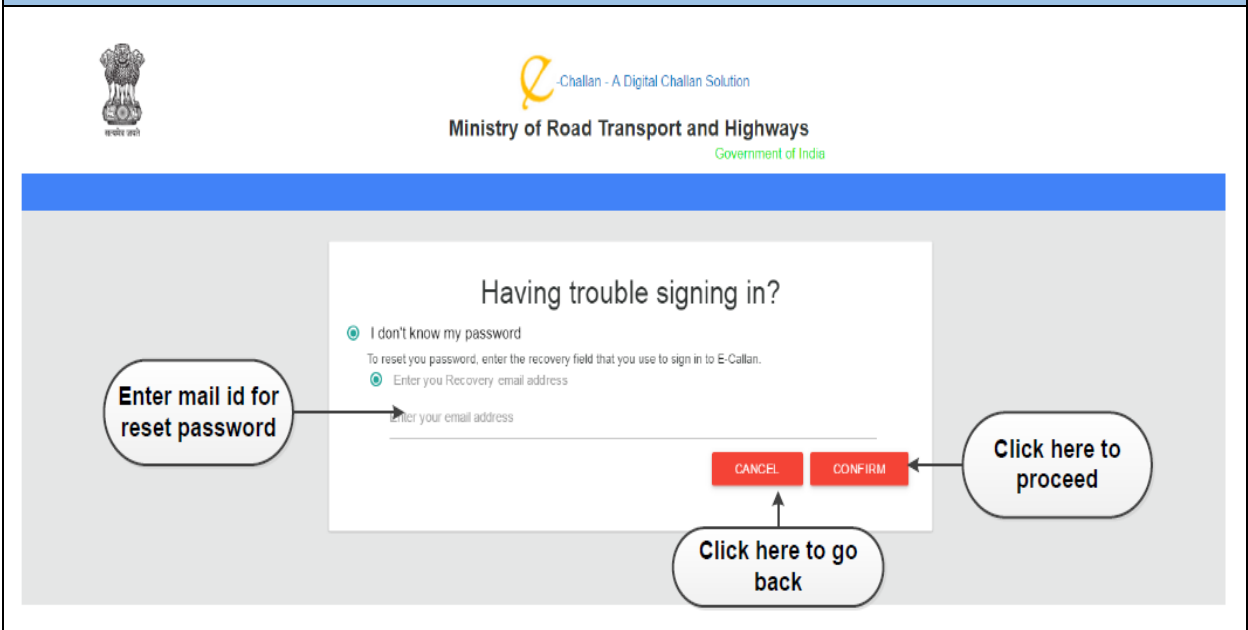
Enter user id and click on "NEXT" to proceed future

Screen for 'Need help?'



Click on 'Need Help? ', In case of required any assistance.

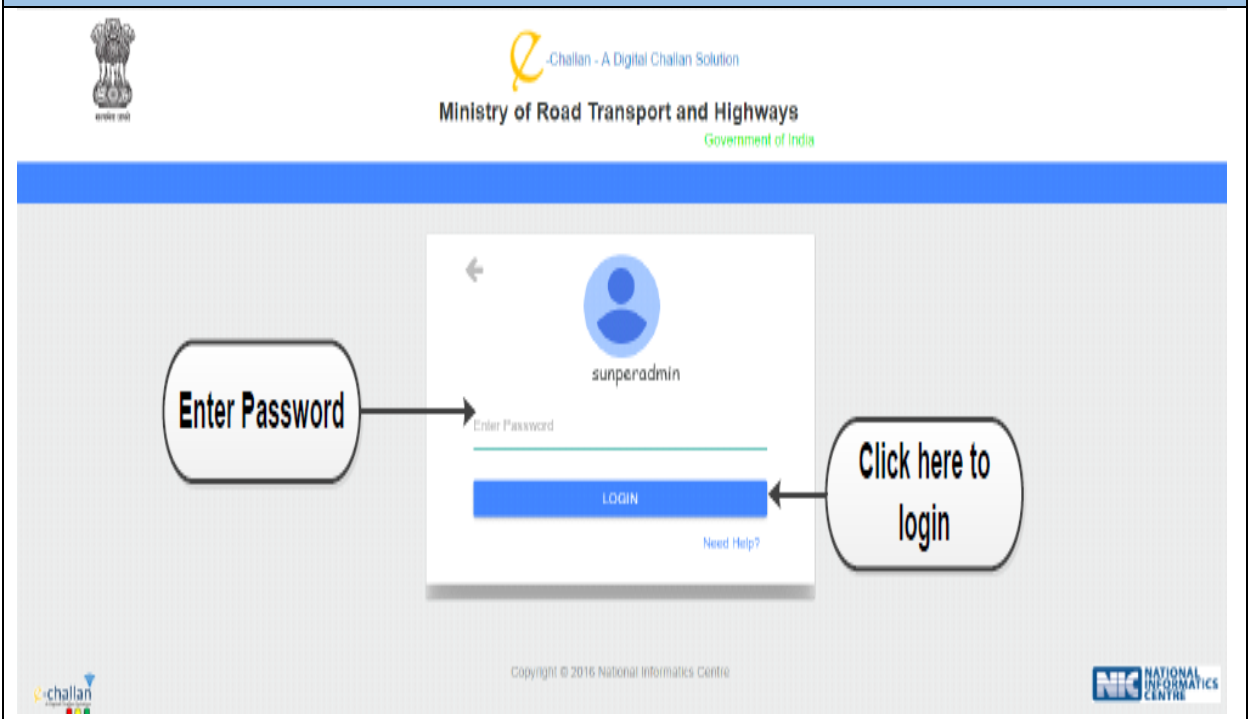
Screen for any assistance related to password reset



Upon clicking on “Need Help?” a new screen appear where the system from the user “Having trouble signing in ?”

The user shall enter user his email id and click on ‘Confirm’ to proceed for reset the password else click on “Cancel” for back to the home page.

Login Page for entering the password



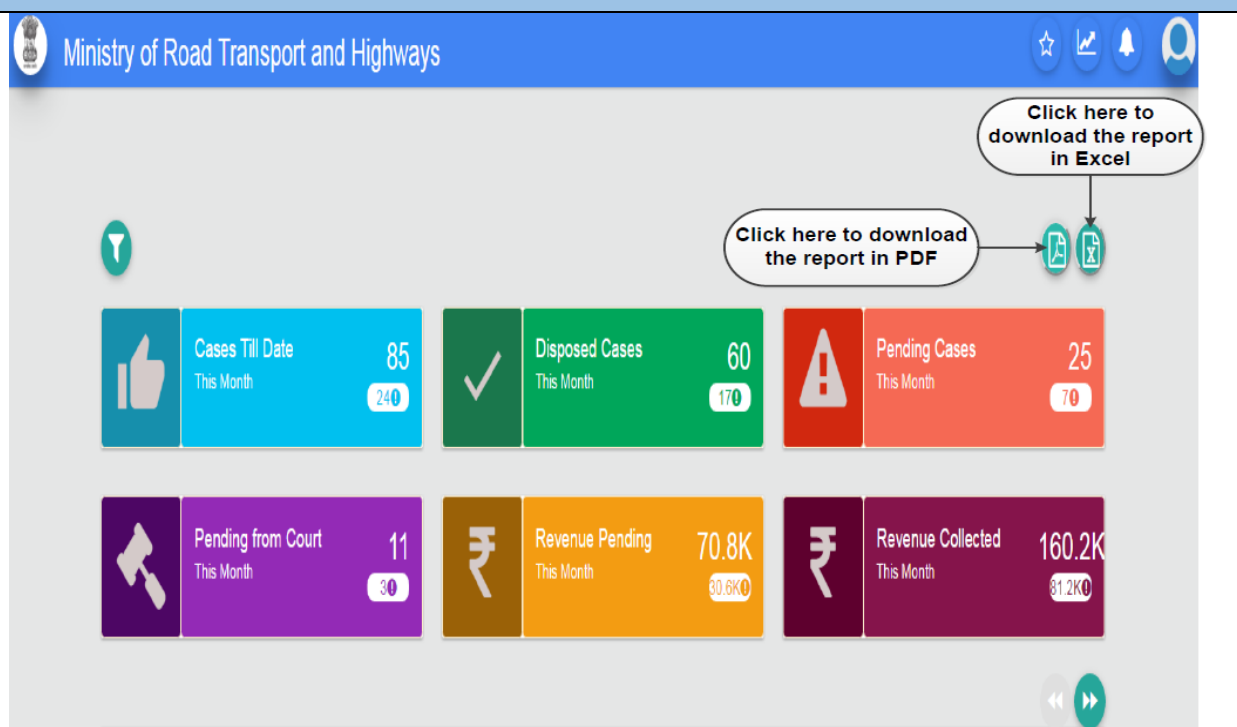
Upon clicking on “Next” the system ask from user to enter the password and click on ‘Login’ to access the system.

Web application home page screen, where the admin user can able to check the dashboard, manage cases (Pending/ Completed), manage offence, History, Device, roles, users and job allocation.



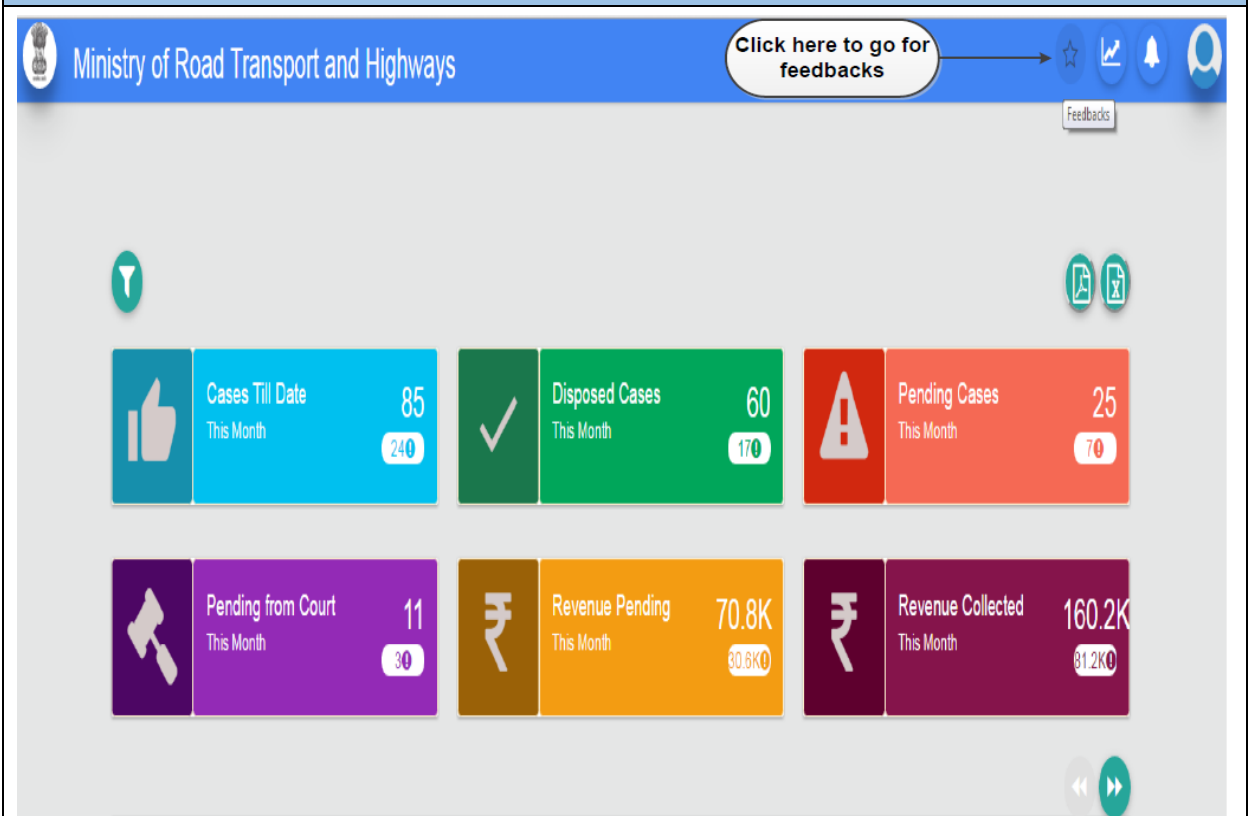
Once the user logged into his page, a new screen appear where the user manage his Cases (Pending/Completed) ,check revenue status, manage offence, manage history, manage device, manage roles, manage users and job allocate.


Screen for downloading the report in 'PDF' or 'Excel' format



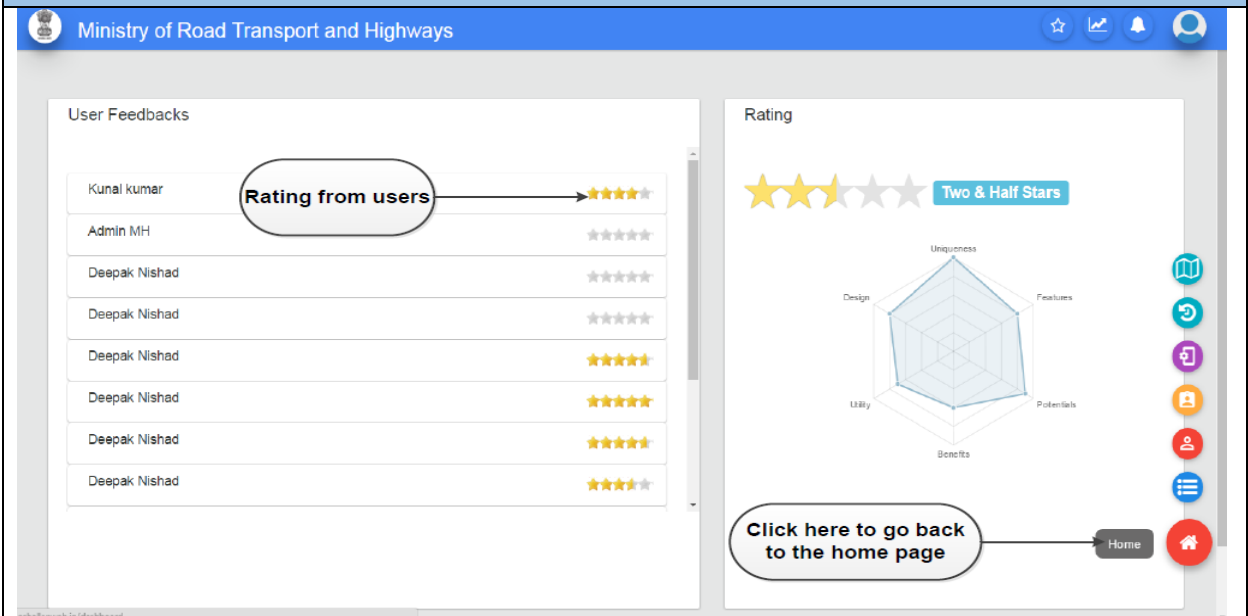
Click on “” icon to download the report in PDF format or Click on “” icon to download the report in excel format.


Screen for viewing the feedback from other the users



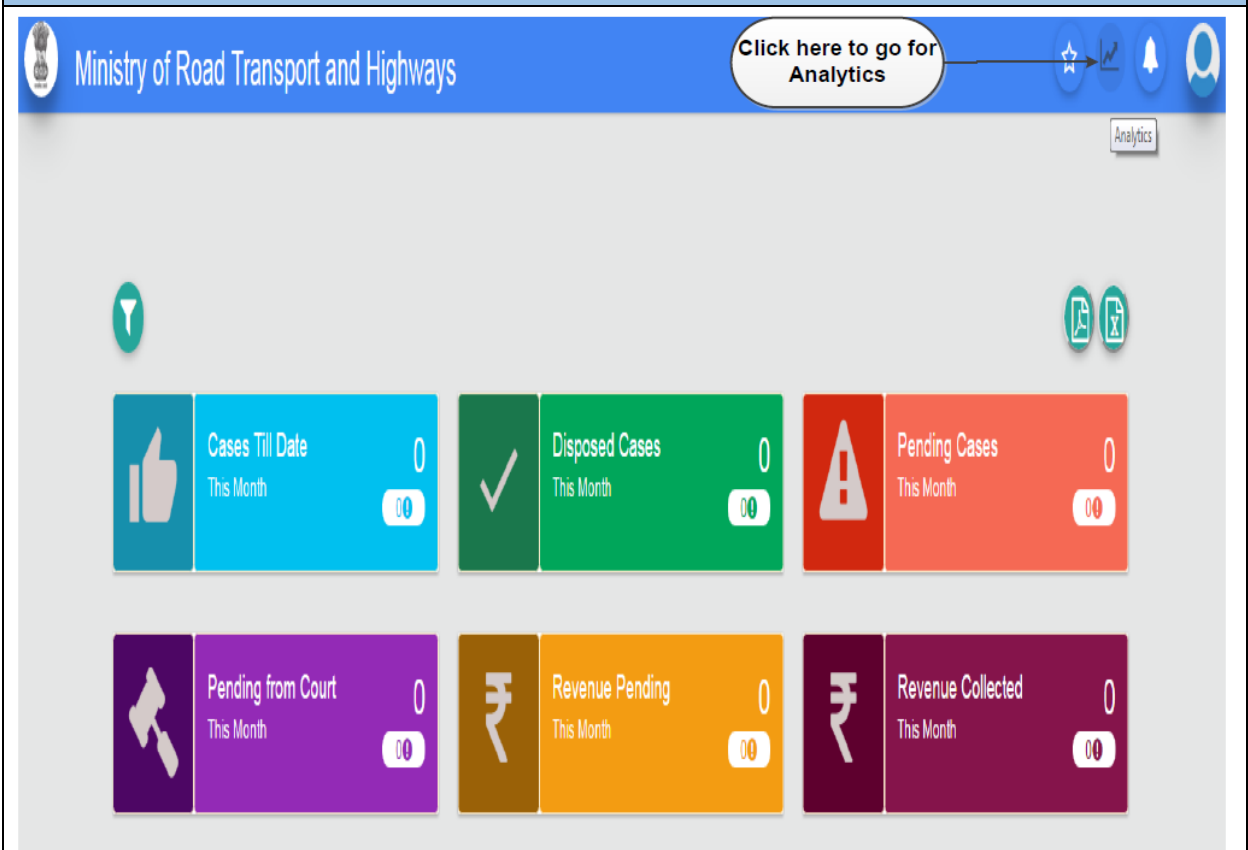
Click on “” icon to check the feedback from the other user.


Feedback home page screen where the admin user can able to check the other user feedbacks and their rating about the application



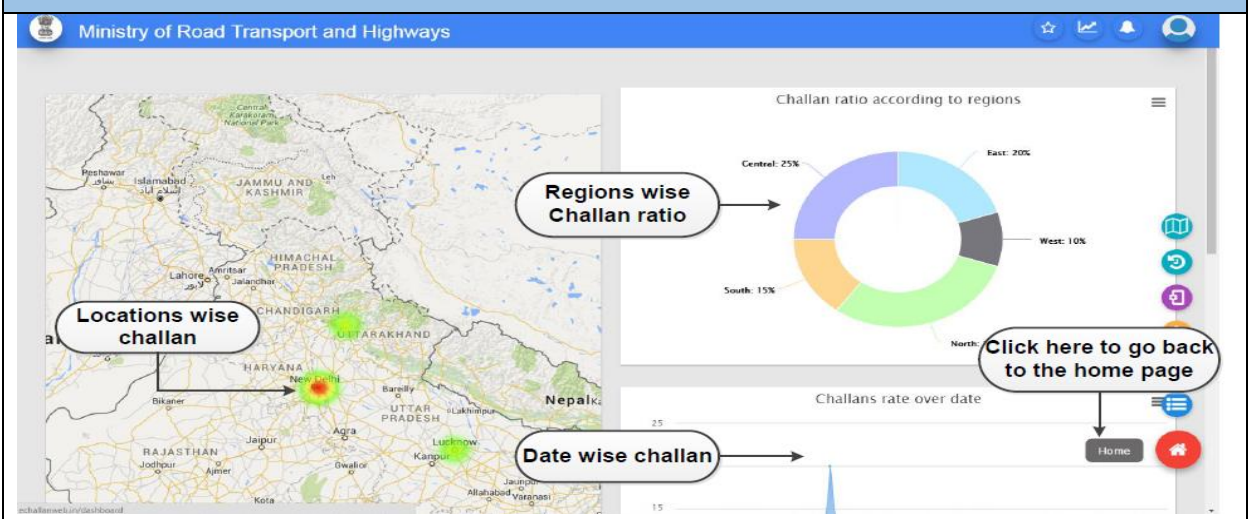
Upon clicking on “” icon, a new screen appear where the user check the feedbacks from other user and check their rating else click on ‘Home’ to return back to the home page.


Screen for analyzing the challan data



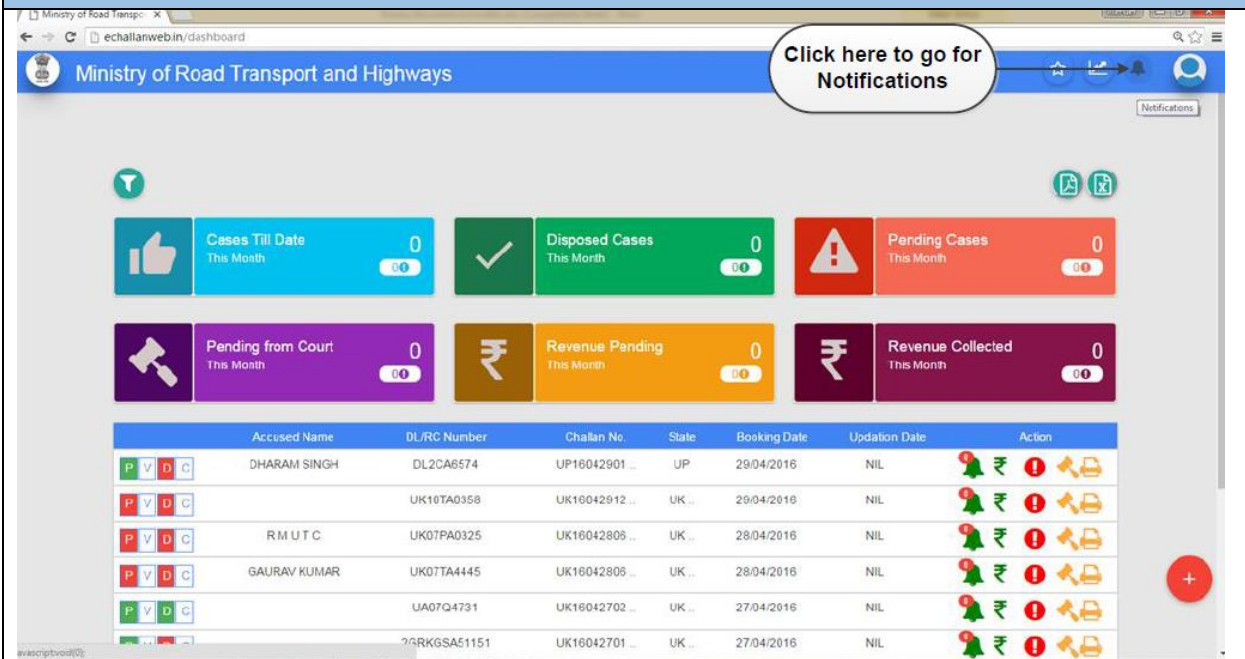
Click on “” icon to analysis the challan data across the city.

Analysis Challan home page screen where the admin user can able to analysis the challan data as per their requirement such as Challan ratio state wise, Challan rate over date etc



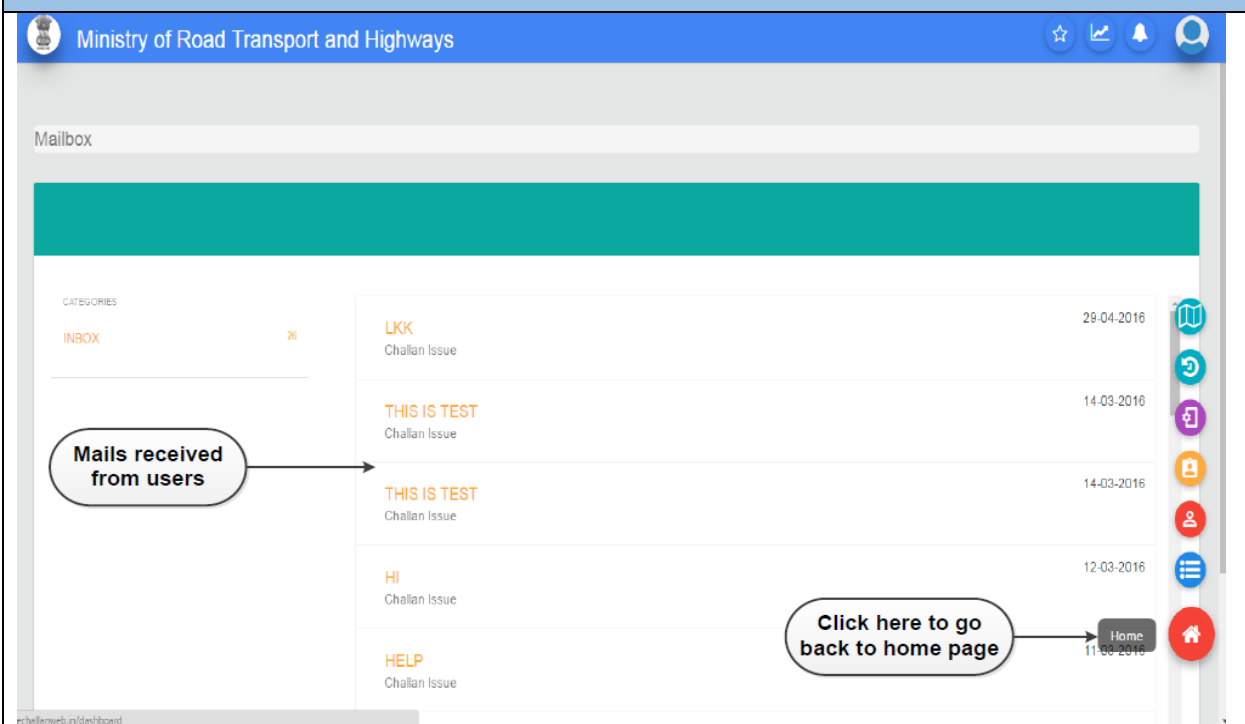
Upon clicking on “” icon, a new screen appear where the user analysis the challan ratio according to regions, challan rate over date and challan by officer ; else click on ‘Home’ to return back to the home page.


Screen for accessing the Notification



Click on “” icon to check the notifications and issues raised by the users.


Notifications home page screen where the user can able to check the mails received from other users.



Upon clicking on “” icon, a new screen appear where the user check the detailed notifications and mails of the other users; else click on 'Home' to return back to the home page.

Screen for viewing the user profile or logout from the web application

Accused Name	DL/RC Number	Challan No.	State	Booking Date	Updation Date	Action
MR SANTOSH SAKLANI	UK07TA2223	UK16043006 ...	UK ..	30/04/2016	NIL	[Icons]
DHARAM SINGH	DL2CA6574	UP16042901 ...	UP	29/04/2016	NIL	[Icons]
R M U T C	UK07PA0325	UK16042806 ...	UK ..	28/04/2016	NIL	[Icons]
CAJIDIMMURMAD	UK07TA4445	UK16042806 ...	UK ..	28/04/2016	NIL	[Icons]

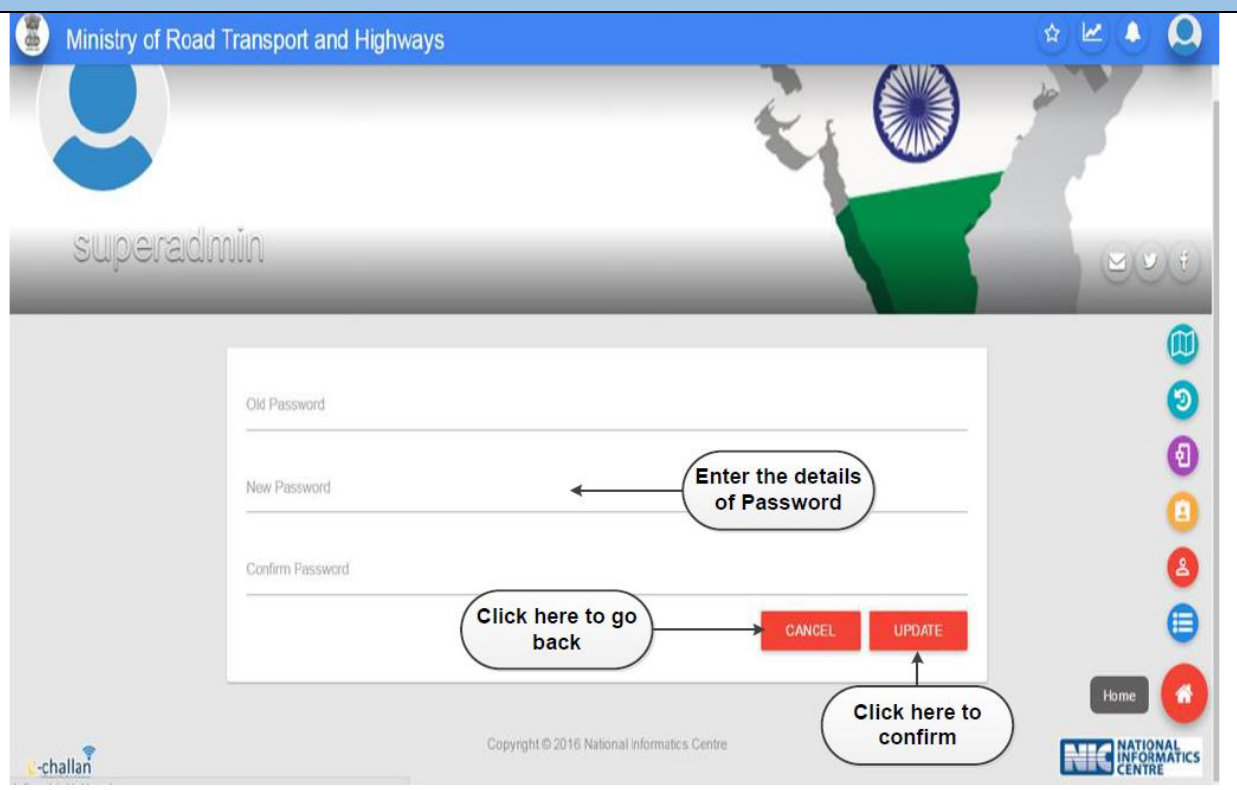
Click on “” icon to view the user profile on clicking on ‘My Profile’ or click on ‘Logout’ to switch from the application or click on ‘Home’ to return back to the home page.

Profile Page screen for viewing the profile information’s

Upon clicking on ‘My Profile’, A new screen appear where the user view the profile of his own or click on ‘Reset Password’ to rest his user id password ; else click on ‘Home’ to return back

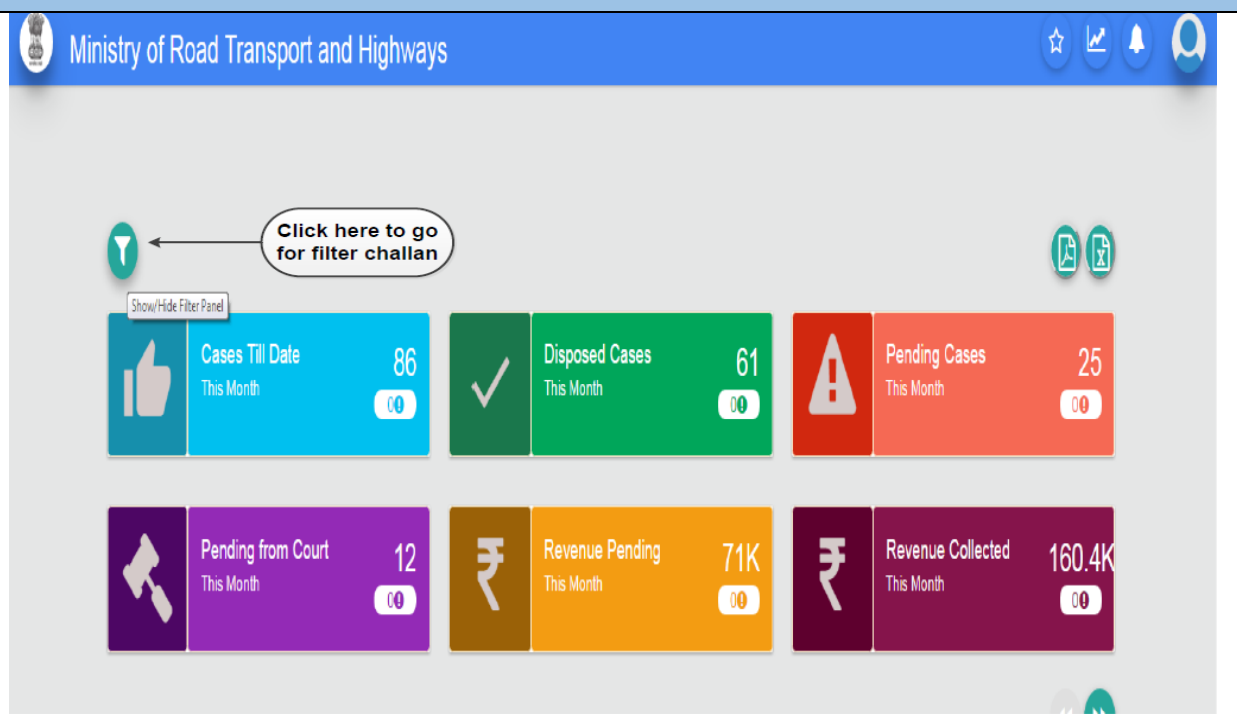
to the home page.


Screen for Password Resetting



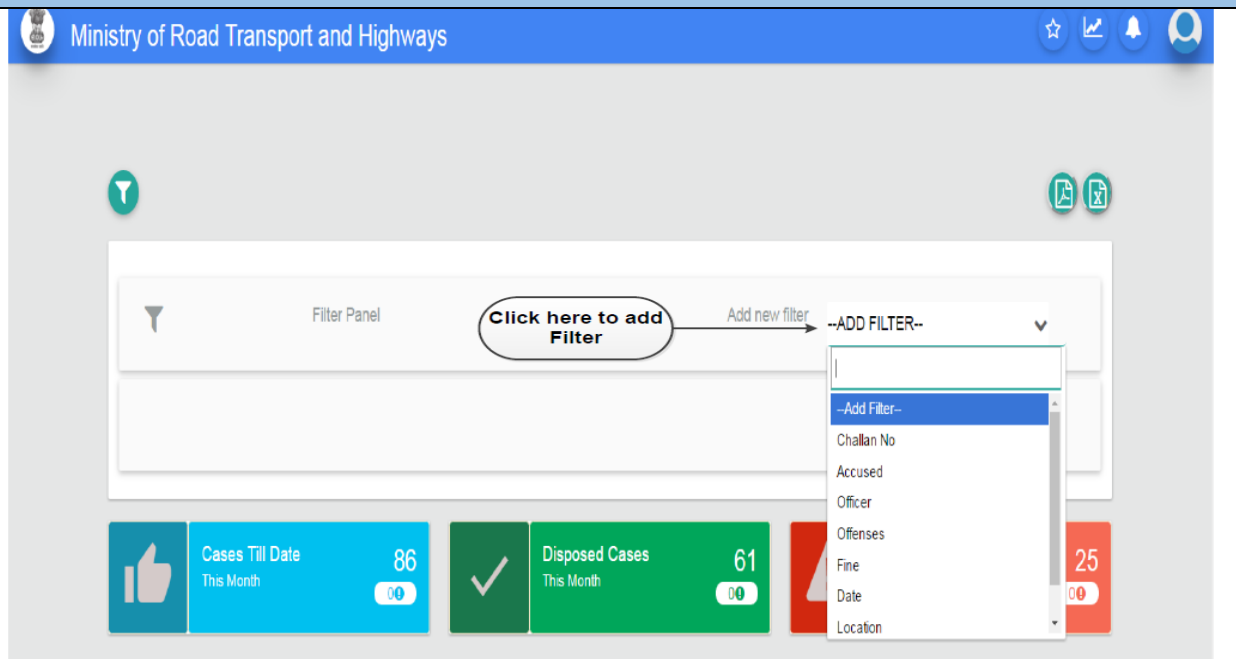
Upon clicking on 'Password Reset', A new screen appear where the user enter his old password, new password & confirm password and click on 'update' to generate a new password or click on 'Cancel' to return or click on 'Home' to return back to the home page.

Screen for searching the challan through filter



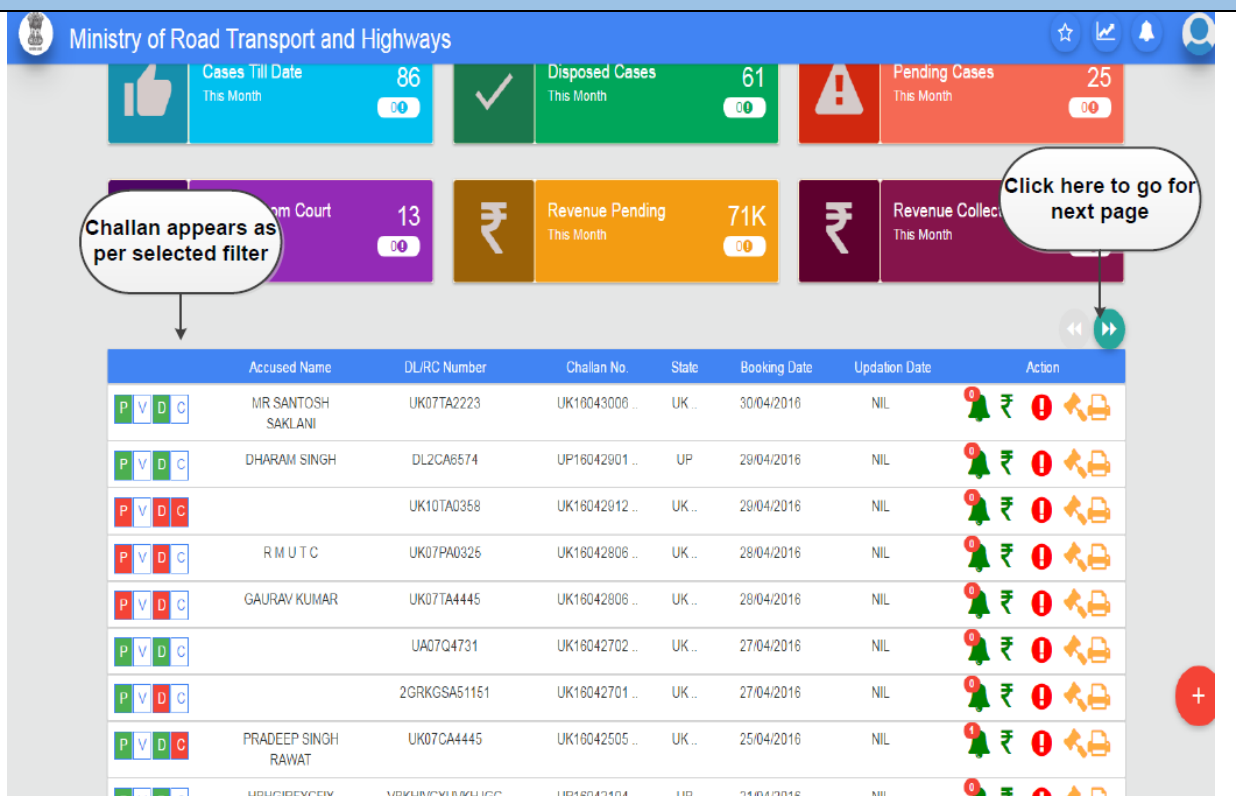
Click on  icon to show or hide the filter panel.

Screen for Challan filtering



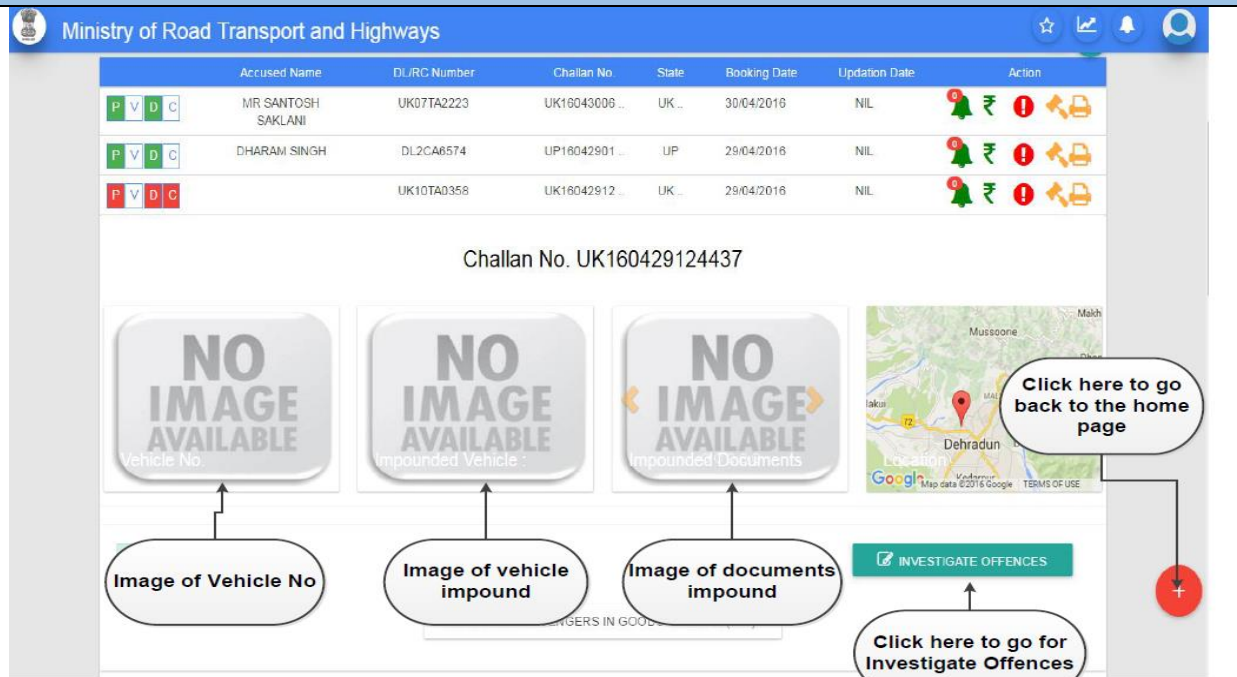
Upon clicking on '🔍' icon, a new window appears where the user can search the challan from the drop down options such as challan number, accused, officer, offenses, fee, date, location and location.

Screen of Challan Filtered



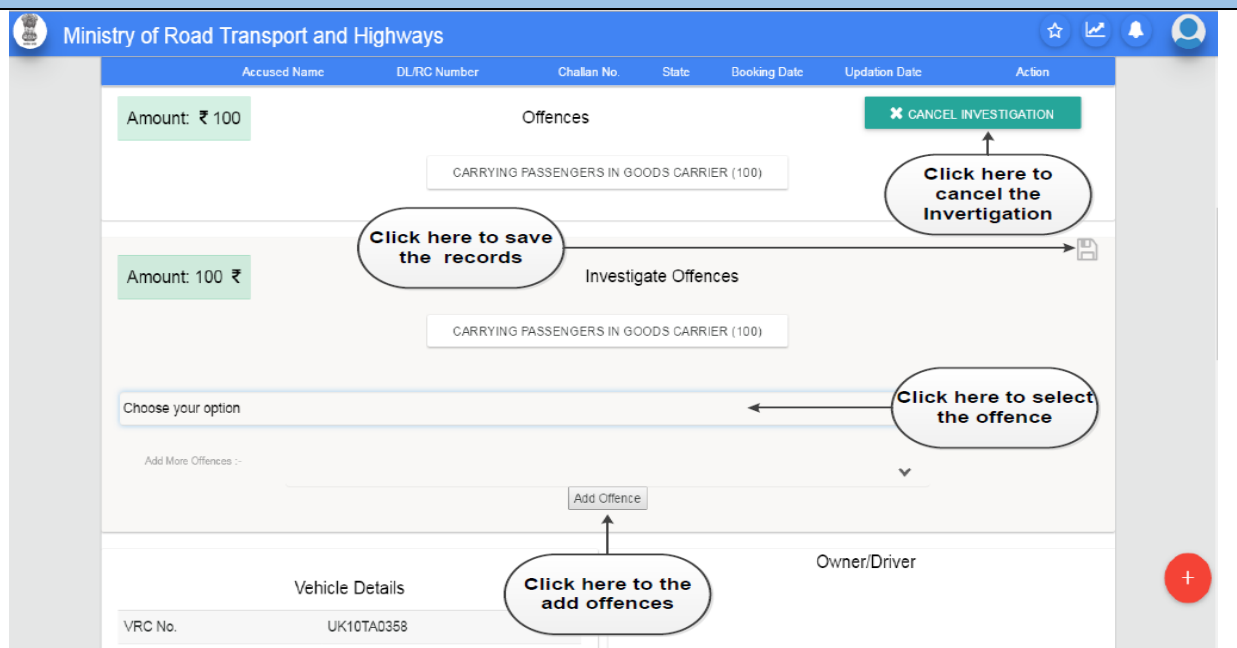
On home page of the web application screen, list of all/filtered pending challan displayed.

Challan Details screen where the admin user can able to view the image of RC, Impounded vehicle, Impounded documents uploaded by the officer




Upon clicking on 'Challan No', A new window appears where the user check the images uploaded by the enforcement officer such as images of Vehicle No., Impounded Vehicle and Impounded Documents or click on "Investigate Offences" for verification

Investigate Offences home page screen where the admin user can able to verify the offences and their penalties



Once the user clicked on 'Investigate Offences', A new window appears where the user click on 'Add offence' form the list of offences for addition of any other offences and click on


'

Screen of Notification received from the offender

Accused Name	DL/RC Number	Challan No.	State	Booking Date	Updation Date	Action
 MR SANTOSH SAKLANI	UK07TA2223	UK16043006 ..	UK			    
 DHARAM SINGH	DL2CA6574	UP16042901 ..	UP	29/04/2016	NIL	    
	UK10TA0358	UK16042912 ..	UK..	29/04/2016	NIL	    

Payment Pending

Challan No. UK160429124437


Click on '' icon to check the notification from the offender

Screen for accessing the Payment of challan

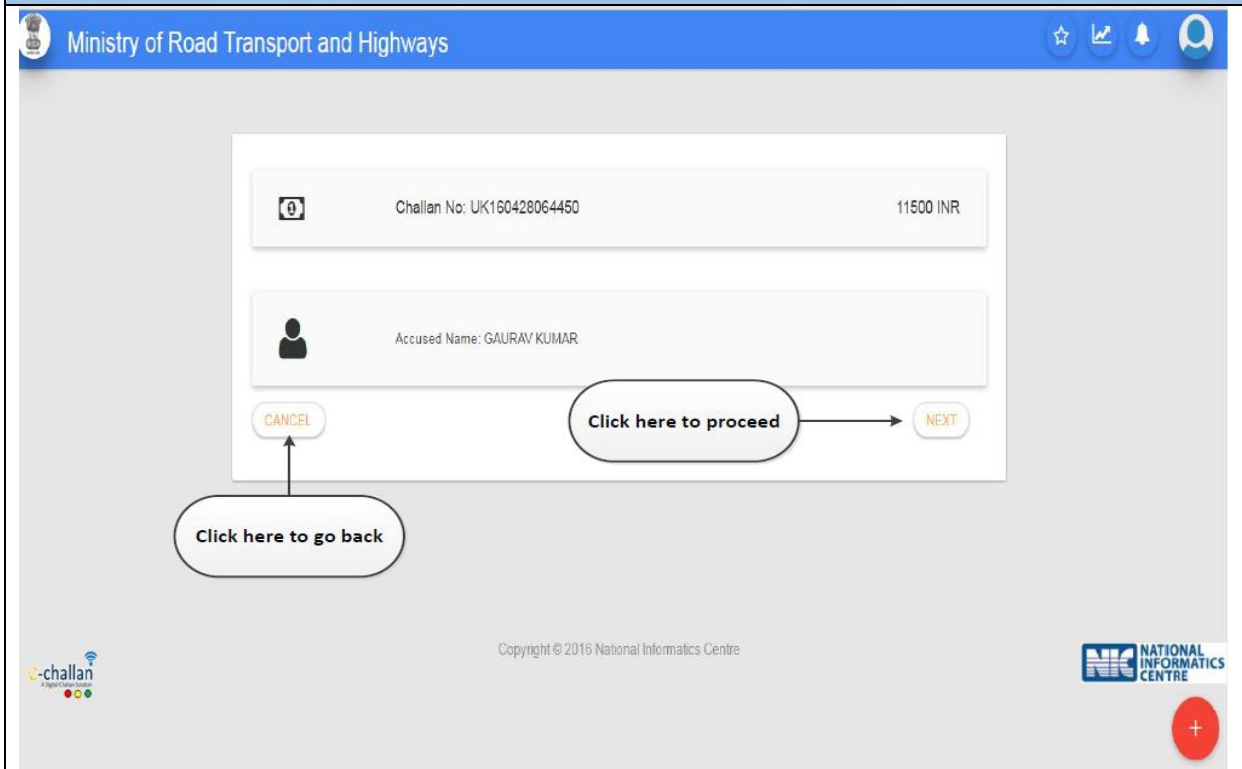
Accused Name	DL/RC Number	Challan No.	State	Booking Date	Updation Date	Action
 MR SANTOSH SAKLANI	UK07TA2223	UK16043006 ..	UK..	30/04/2016	NIL	    
 DHARAM SINGH	DL2CA6574	UP16042901 ..	UP	29/04/2016	NIL	    
	UK10TA0358	UK16042912 ..	UK..	29/04/2016	NIL	    

Payment Pending

Challan No. UK160429124437

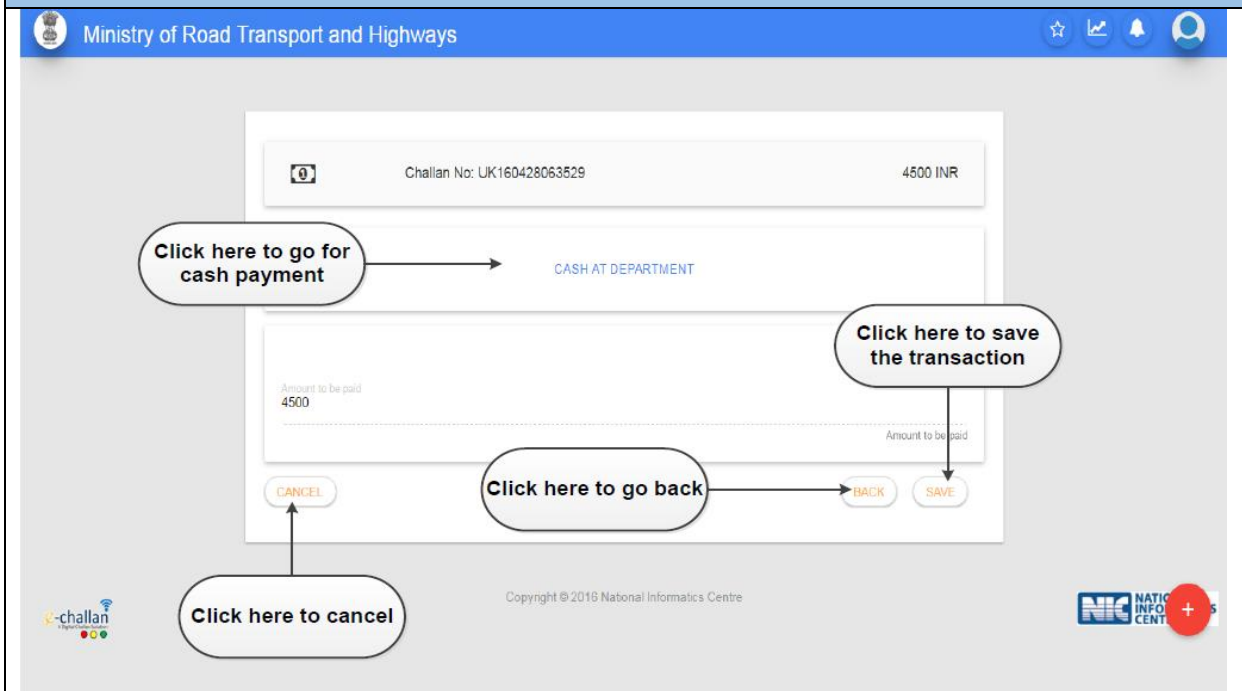
Click on '' icon to proceed the pending payment of the challan

Screen for initiating the payment of challan



Upon clicking on '₹' icon, A new screen appears where the user click on 'NEXT' to proceed future or Click on 'Cancel' to return back to the page

Screen for selecting the mode of payment



Once the user clicked on 'NEXT', Again a new screen appears where the user click on 'Cash at Department' then click on 'Save' to proceed the payment or click on 'BACK' to return back or click on 'CANCEL' to cancel the transaction

Payment completed home page Screen

Ministry of Road Transport and Highways

Cases Till Date This Month: 86

Disposed Cases This Month: 62

Pending Cases This Month: 24

Pending from Court This Month: 13

Revenue Pending This Month: 66.5K

Revenue Collected This Month: 164.9K

	Accused Name	DL/RC Number	Challan No.	State	Booking Date	Updation Date	Action
P	MR SANTOSH SAKLANI	UK07TA2223	UK16043006 ..	UK ..	30/04/2016	NIL	🔔 ₹ ! 🔄 🗑️
P	DHARAM SINGH	DL2CA6574	UP16042901 ..	UP	29/04/2016	NIL	🔔 ₹ ! 🔄 🗑️
P		UK10TA0358	UK16042912 ..	UK ..	29/04/2016	NIL	🔔 ₹ ! 🔄 🗑️
P	R M U T C	UK07PA0325	UK16042806 ..	UK ..	28/04/2016	NIL	🔔 ₹ ! 🔄 🗑️
P	GAURAV KLUMAR	UK07TA4445	UK16042806 ..	UK ..	28/04/2016	NIL	🔔 ₹ ! 🔄 🗑️
P		UA07Q4731	UK16042702 ..	UK ..	27/04/2016	NIL	🔔 ₹ ! 🔄 🗑️
P		2GRKGSAS51151	UK16042701 ..	UK ..	27/04/2016	NIL	🔔 ₹ ! 🔄 🗑️

Upon clicking on 'SAVE', Home page screen appears where the status of the challan is changed as 'Payment Completed'

Screen for accessing the feedback

Ministry of Road Transport and Highways

Cases Till Date This Month: 86

Disposed Cases This Month: 62

Pending Cases This Month: 24

Pending from Court This Month: 13

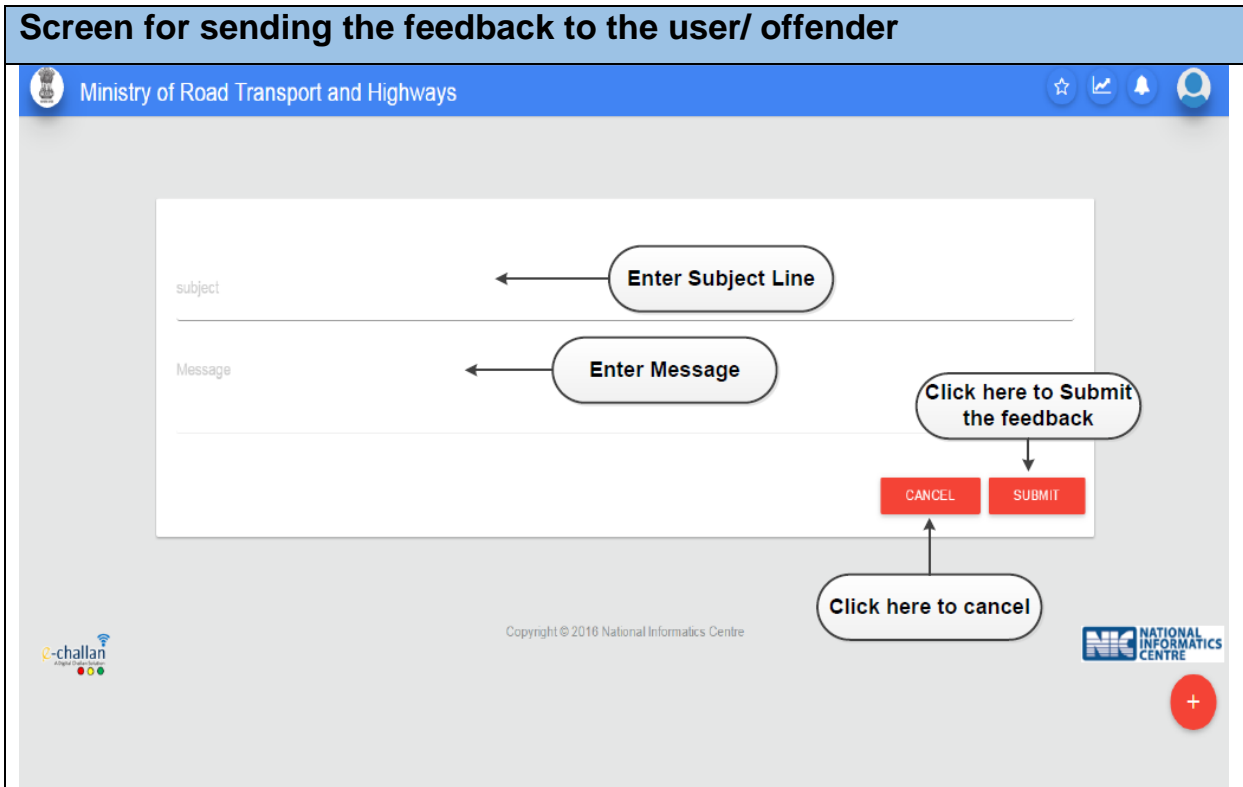
Revenue Pending This Month: 66.5K

Revenue Collected This Month: 164.9K

	Accused Name	DL/RC Number	Challan No.	State	Booking Date	Updation Date	Action
P	MR SANTOSH SAKLANI	UK07TA2223	UK16043006 ..	UK ..	30/04/2016	NIL	🔔 ₹ ! 🔄 🗑️
P	DHARAM SINGH	DL2CA6574	UP16042901 ..	UP	29/04/2016	NIL	🔔 ₹ ! 🔄 🗑️
P		UK10TA0358	UK16042912 ..	UK ..	29/04/2016	NIL	🔔 ₹ ! 🔄 🗑️

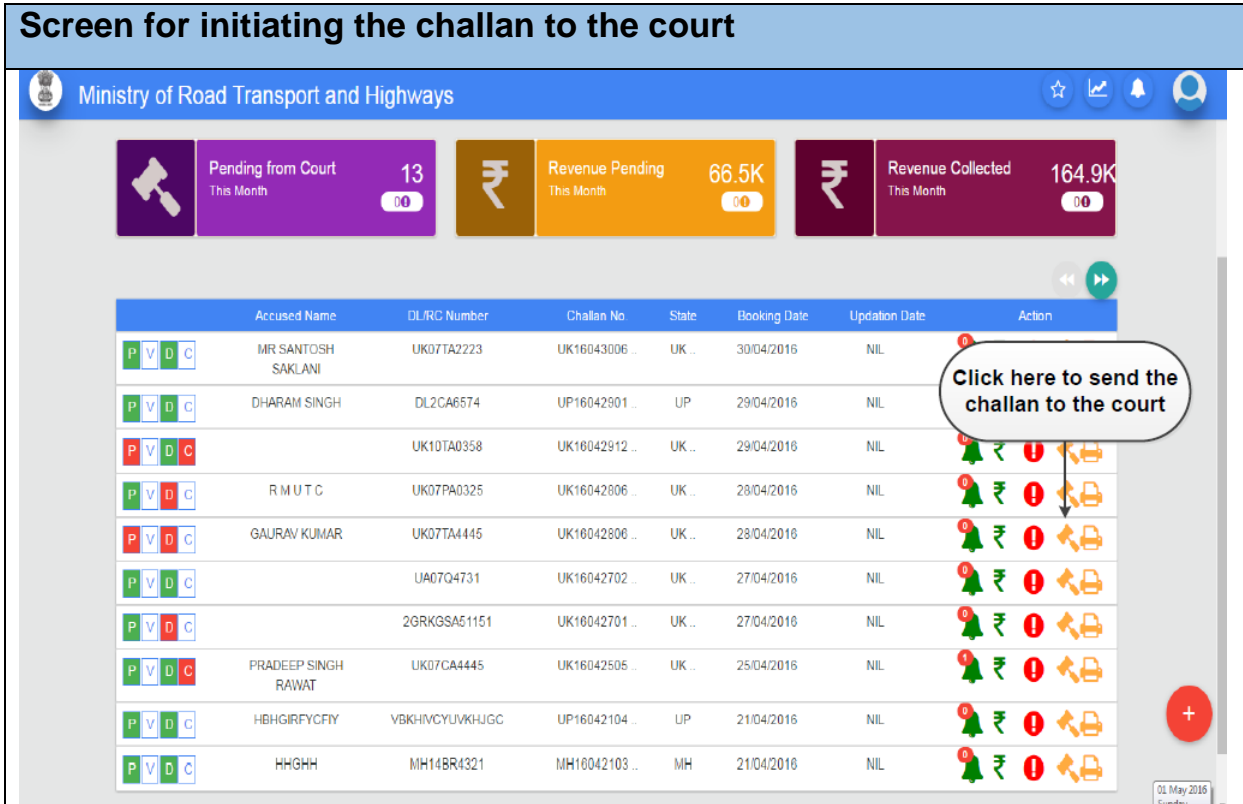
Click on '🔔' icon to give any feedback to the user/ offender

Screen for sending the feedback to the user/ offender



Upon clicking on '!' icon, a new screen appears where the user write his feedback and click on 'SUBMIT' for submission or click on 'CANCEL' for return back or click on 'home' to go back to the home page.

Screen for initiating the challan to the court



Click on '🚚' icon to send the challan to court

Screen for assigning the court from the list of courts

The screenshot shows a web application interface for the Ministry of Road Transport and Highways. At the top, there are three summary cards: 'Pending from Court This Month' with a value of 13, 'Revenue Pending' with 66.5K, and 'Revenue Collected' with 164.9K. Below these is a table of challans. A modal window titled 'Send to court' is open, showing a dropdown menu with 'STATE : UK' and 'RTO : DEHRADUN RTO' selected. A green 'SEND' button is visible at the bottom right of the modal. The background table has columns for status (P, V, D, C), amount, and date.

Upon clicking on '📄' icon, a new window appears where the user select the court from the list of court and click on 'SEND' for submission

Challan sent to court confirmation home page screen

Ministry of Road Transport and Highways

Pending from Court This Month: 13

Revenue Pending This Month: 66.5K

Revenue Collected This Month: 164.9K

Accused Name	DL/RG Number	Challan No.	State	Booking Date	Updation Date	Action
MR SANTOSH SAKLANI	UK07TA2223	UK16043006...	UK...	30/04/2016	NIL	🔔 ₹ ! 🚗
DHARAM SINGH	DL2CA6574	UP16042901...	UP	29/04/2016	NIL	🔔 ₹ ! 🚗
R M U T C	UK07PA0326	UK16042806...	UK...	28/04/2016	NIL	🔔 ₹ ! 🚗
GAURAV KUMAR	UK07TA4445	UK16042806...	UK...	28/04/2016	NIL	🔔 ₹ ! 🚗
	UA07Q4731	UK16042702...	UK...	27/04/2016	NIL	🔔 ₹ ! 🚗
	2GRKGSAs1151	UK16042701...	UK...	27/04/2016	NIL	🔔 ₹ ! 🚗
PRADEEP SINGH RAWAT	UK07CA4445	UK16042505...	UK...	25/04/2016	NIL	🔔 ₹ ! 🚗
HBHGIRFYCFIY	VBKHIVCYUWKJGC	UP16042104...	UP	21/04/2016	NIL	🔔 ₹ ! 🚗
HHGHH	MH14BR4321	MH16042103...	MH	21/04/2016	NIL	🔔 ₹ ! 🚗

Once the user clicked on 'SEND', Home page screen appears where the status of the challan is changed as 'SENT TO COURT'.

Screen for initiating the Print

Ministry of Road Transport and Highways

Pending from Court This Month: 13

Revenue Pending This Month: 66.5K

Revenue Collected This Month: 164.9K

Accused Name	DL/RG Number	Challan No.	State	Booking Date	Updation Date	Action
MR SANTOSH SAKLANI	UK07TA2223	UK16043006...	UK...	30/04/2016	NIL	🔔 ₹ ! 🚗
DHARAM SINGH	DL2CA6574	UP16042901...	UP	29/04/2016	NIL	🔔 ₹ ! 🚗
	UK10TA0958	UK16042912...	UK...	29/04/2016	NIL	🔔 ₹ ! 🚗
R M U T C	UK07PA0326	UK16042806...	UK...	28/04/2016	NIL	🔔 ₹ ! 🚗
GAURAV KUMAR	UK07TA4445	UK16042806...	UK...	28/04/2016	NIL	🔔 ₹ ! 🚗
	UA07Q4731	UK16042702...	UK...	27/04/2016	NIL	🔔 ₹ ! 🚗
	2GRKGSAs1151	UK16042701...	UK...	27/04/2016	NIL	🔔 ₹ ! 🚗
PRADEEP SINGH RAWAT	UK07CA4445	UK16042505...	UK...	25/04/2016	NIL	🔔 ₹ ! 🚗
HBHGIRFYCFIY	VBKHIVCYUWKJGC	UP16042104...	UP	21/04/2016	NIL	🔔 ₹ ! 🚗
HHGHH	MH14BR4321	MH16042103...	MH	21/04/2016	NIL	🔔 ₹ ! 🚗

Click on '🚗' icon to print the challan/ vehicle released order/ Document released order or Challan sent to court

Screen for printing the Challan, Vehicle Release Order, Document Release Order or Sent to Court

Ministry of Road Transport and Highways

Pending from Court This Month: 13

Revenue Pending This Month: 66.5K

Revenue Collected This Month: 164.9K

Accused Name	DL/RC Number	Challan No.	Challan Date	Update
MR. SANTOSH SAKLANI	UK07TA2223	UK16042806...	29/04/2016	NIL
DHARAM SINGH	DL2CA6574	UK16042806...	29/04/2016	NIL
R. M. U. T. C.	UK07PA0325	UK16042806...	28/04/2016	NIL
GAURAV KUMAR	UK07TA4445	UK16042806...	27/04/2016	NIL
	UA07Q4731	UK16042702...	27/04/2016	NIL
	2GRKGS51151	UK16042701...	27/04/2016	NIL
PRADEEP SINGH RAWAT	UK07CA4445	UK16042505...	25/04/2016	NIL

Callouts: "Click here to go for print the vehicle release order", "Click here to go for print the order send to court", "Click here to go for print the challan", "Click here to go for print the document release order".

Upon clicking on '🖨️' icon, a new window appears where the user print the 'Challan', 'Vehicle Release Order', 'Document Release Order' or 'Sent to Court'

Screen for selection of printer

Print dialog options: Save as PDF, Change..., Pages: All, Layout: Portrait, Paper size: A4, Margins: Default, Options: Simplify page, Headers and footiers, Background graphics.

Callout: "Click here to select the printer and print" pointing to the printer selection area.

Generated Receipt Content:

Challan - A Digital Challan Solution
Department of Transport Uttarakhand

Challan No: UK160427020843 | Challan Date: 27-04-2016
Vehicle No: UA07Q4731 | Vehicle Class: ...
Owner Name: ... | Owner Address: ...
Offense Committed: 1: Carrying excess passenger, 2: Without P.U.C.C. | Under Act: ...
Challan Amount: INR 200 (cash) | is valid up to: ...
Document Impounded: Yes | Vehicle Impounded: ...
Witness Name: ... | Remarks: ...

Signature lines for Violator and Officer.

Once the user clicked on the list to options to print, a receipt of the challan is generated. The user can take a print of this.

Confirmation for Releasing the impounded document screen

The screenshot shows a dashboard for the Ministry of Road Transport and Highways. A confirmation dialog box is overlaid on top, asking 'Can you confirm this?' with 'OK' and 'Cancel' buttons. A callout points to the 'OK' button with the text 'Click here to release the documents'. Another callout points to a red warning icon with the text 'Click here to go back'. The dashboard includes metrics for 'Cases Till Date' (86), 'Pending from Court' (13), 'Revenue Pending' (₹ 66.5K), and 'Revenue Collected' (₹ 164.9K). Below these is a table of impounded documents.

	Accused Name	DL/R/C Number	Challan No.	State	Booking Date	Updation Date	Action
P V D C	FRAMILA KUMARI	UP53BM0846	UP16042101 ..	UP	21/04/2016	NIL	📌 ₹ ! 🚗
P V D C	SRI HARINDRA NATH TRIPATHI	UP53BM0877	UP16041303 ..	UP	13/04/2016	NIL	📌 ₹ ! 🚗
P V D C	MR SHIV KUMAR	UP32EN5647	UP16041105 ..	UP	11/04/2016	NIL	📌 ₹ ! 🚗
P V D C	UNI KRISHNA G V	KL01BF5227	KL16032810 ..	KL ..	28/03/2016	NIL	📌 ₹ ! 🚗
P V D C	ABHAY	UP53BM0834	UK16041206 ..	UK ..	12/04/2016	NIL	📌 ₹ ! 🚗
P V D C	SKSYK	3455886666667777777777	UK16040905 ..	UK ..	09/04/2016	NIL	📌 ₹ ! 🚗
P V D C	HELLO	UP13DT7867	UK16040912 ..	UK ..	09/04/2016	NIL	📌 ₹ ! 🚗
P V D C	SRI HARINDRA NATH TRIPATHI	UP53BM0877	UP16040807 ..	UP	08/04/2016	NIL	📌 ₹ ! 🚗

Upon clicking on 'Document Impound', A new window appears where the system ask from user to 'Confirm' to release, Click 'Ok' to proceed or click on 'Cancel' to return back.

Status changed as 'Document Released' home page screen

The screenshot shows the same dashboard as above, but the status of the document 'HELLO' has changed. A callout points to the 'D' (Released) icon in the 'Action' column with the text 'Status changed as the documents released'. Below the table, the 'Challan No. UK160409122125' is displayed. At the bottom, there are three 'NO IMAGE AVAILABLE' placeholders.

	Accused Name	DL/R/C Number	Challan No.	State	Booking Date	Updation Date	Action
P V D C	FRAMILA KUMARI	UP53BM0846	UP16042101 ..	UP	21/04/2016	NIL	📌 ₹ ! 🚗
P V D C	SRI HARINDRA NATH TRIPATHI	UP53BM0877	UP16041303 ..	UP	13/04/2016	NIL	📌 ₹ ! 🚗
P V D C	MR SHIV KUMAR	UP32EN5647	UP16041105 ..	UP	11/04/2016	NIL	📌 ₹ ! 🚗
P V D C	UNI KRISHNA G V	KL01BF5227	KL16032810 ..	KL ..	28/03/2016	NIL	📌 ₹ ! 🚗
P V D C	ABHAY	UP53BM0834	UK16041206 ..	UK ..	12/04/2016	NIL	📌 ₹ ! 🚗
P V D C	SKSYK	UK16040905 ..	UK ..	09/04/2016	NIL	📌 ₹ ! 🚗	
P V D C	HELLO	UP13DT7867	UK16040912 ..	UK ..	09/04/2016	NIL	📌 ₹ ! 🚗

Challan No. UK160409122125

Once the user clicked on 'OK', Home page screen appears where the status of the challan is changed as 'Document Released'

Screen for accessing the Offence Management

Ministry of Road Transport and Highways

Click here to go for Offence Management

Accused Name	DLRC Number	Challan No	State	Booking Date	Update Date	Action
MR SANTOSH SAKLANI	UK07TA2223	UK16043006...	UK	30/04/2016	NIL	₹ ! 🗑️
DHARAM SINGH	DL2CA6574	UP16042901...	UP	29/04/2016	NIL	₹ ! 🗑️
	UK10TA0358	UK16042912...	UK	29/04/2016	NIL	₹ ! 🗑️
R M U T C	UK07PA0325	UK16042806...	UK	28/04/2016	NIL	₹ ! 🗑️
GALURAV KUMAR	UK07TA4445	UK16042806...	UK	28/04/2016	NIL	₹ ! 🗑️

Click on '📖' icon to manage the offence.

Screen for selecting of actions such as addition, deletion or fee editions of offence from the list of offences

Ministry of Road Transport and Highways

Manage Offence

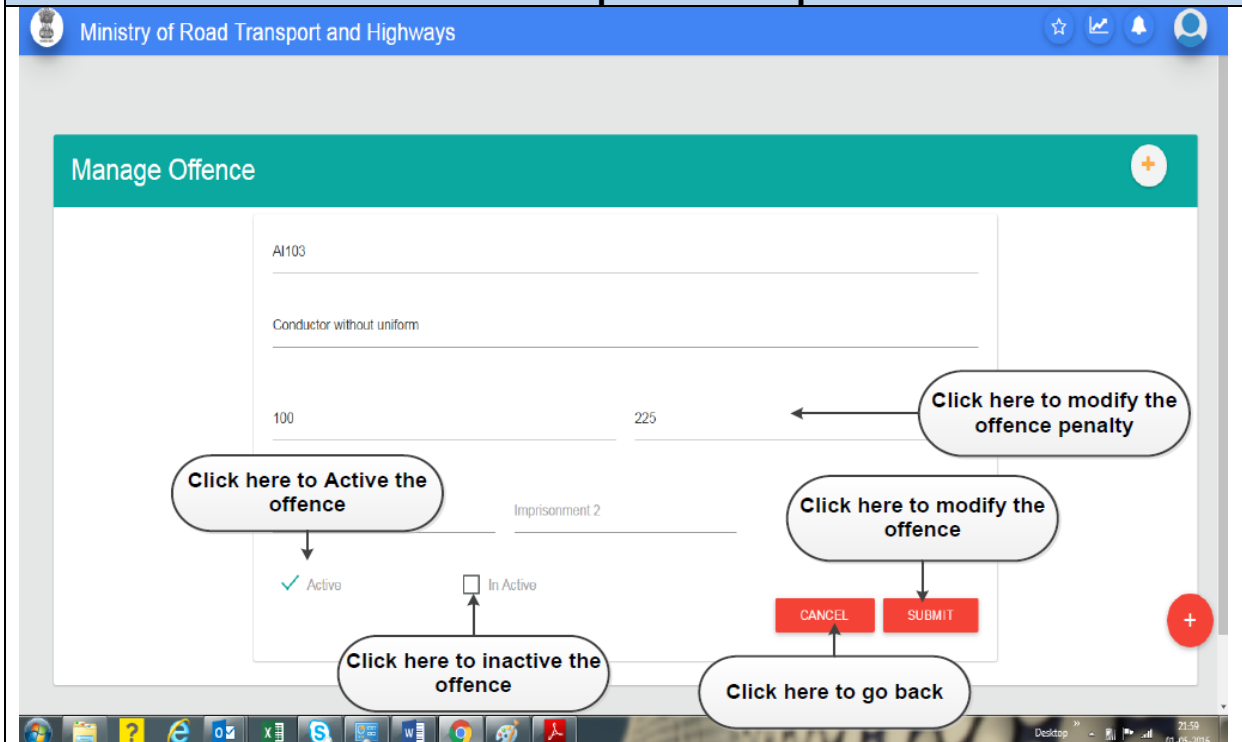
Click here to add new offence

Click here to modify the offence

Sr. No	Offence Code	Offence	IVA	CMVR/SMVR	Amount (Rs)	Action
1.	AI103	Conductor without uniform	177		100	✎
2.	AI104	Conductor without license	177		100	✎
3.	AI105	Attendant without uniform	177		100	✎
4.	AI106	Head light yellow/ black strip not painted	177		100	✎
5.	AI107	Carrying excess passenger			100	✎
6.	AI108	Carrying excess Animal			100	✎
7.	AI109	Owner board and other particular not exhibited	177		100	✎
8.	AI110	Non Transport Vehicle found plying as a Transport Vehicle	177		100	✎
9.	AI111	Non Transport Vehicle found plying as a Transport Vehicle	177		100	✎
10.	AI112	Carrying excess luggage	177		100	✎
11.	AI113	Without LOGO	177		100	✎

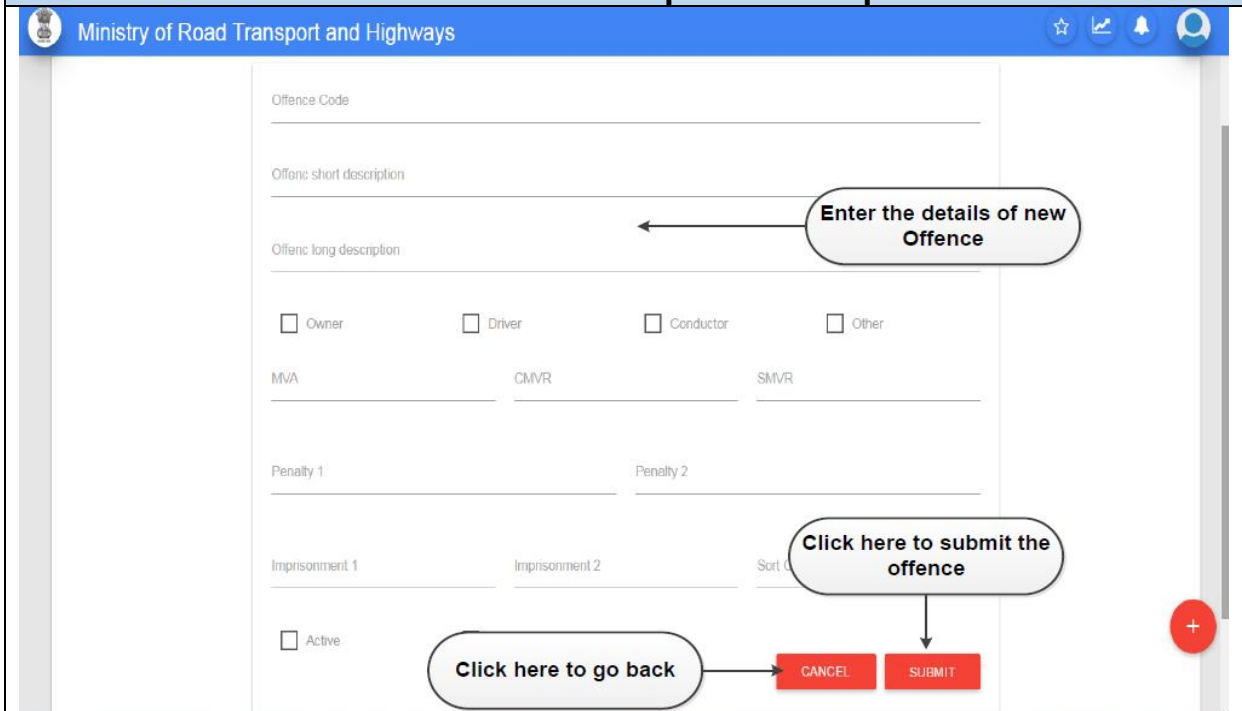
Upon clicking on '📖' icon, A new screen appear where the user click on 'Action' to modify the offence penalty or click on (+) icon for addition of new offence.

Screen for managing the offences such as modification of offences fee or Active / Inactive the offences as per state requirement



Once the user clicked on 'Action', A new screen appears where the user modify the offence penalty range and click on 'Active' to implement the selected offence for a particular state or Click on 'Inactive' to inactive the selected offence for a particular state or click on 'Submit' to submit the modified offence or click on 'Cancel' to return back to the offence manage page.

Screen for addition of new offences as per state requirement



Upon clicking on (+), A new screen appears where the user update the new offences and click on 'Active' to implement the new offence for a particular state or Click on 'Inactive' to inactive the new offence for a particular state or click on 'Submit' to submit the new offence or click on 'Cancel' to return back to the offence manage page.

Screen for accessing the Manage Challan History

Accused Name	DLRC Number	Challan No.	State	Booking Date	Updation Date	Action
MR SANTOSH SAKLANI	UK07TA2223	UK16043006...	UK..	30/04/2016	NIL	Tree, ₹, !, Car
DHARAM SINGH	DL2CA6574	UP16042901...	UP	29/04/2016	NIL	Tree, ₹, !, Car
R M U T C	UK10TA0358	UK16042912...	UK..	29/04/2016	NIL	Tree, ₹, !, Car
R M U T C	UK07PA0325	UK16042806...	UK..	28/04/2016	NIL	Tree, ₹, !, Car
GAUDAN KUMAR	UK07TA4445	UK16042806...	UK..	28/04/2016	NIL	Tree, ₹, !, Car

Click on '🔄' icon to check the history of challan

Manage History home page screen where the admin can able to view the history of challan

Timestamp	Challan No.	Updated By	Action
Apr 13, 2016 3:04 pm	UP160411051037	UP Officer	document Released
Mar 29, 2016 11:03 am	UP160329110113	Rajesh Singh	document Released
Apr 13, 2016 3:04 pm	UP160411051037	UP Officer	vehicle Released
Apr 20, 2016 3:04 pm	UP160413031602	UP RTD	document Released
Mar 29, 2016 12:03 pm	UP160329030349	shriram yadav	Action

Upon clicking on '🔄' icon, A new screen appear where the user check the history of challan or click on 'Home' to return back to the home page.

Screen for accessing the Device Management

Ministry of Road Transport and Highways

Cases Till Date This Month: 86

Disposed Cases This Month: 62

Pending Cases This Month: 24

Pending from Court This Month: 13

Revenue Pending This Month: 66.5K

Revenue Collected: 164.9K

	Accused Name	DL/RC Number	Challan No.	State	Booking Date	Updation Date	Action
P V D C	MR SANTOSH SAKLANI	UK07TA2223	UK16043006 ..	UK ..	30/04/2016	NIL	🔔 ₹ ! 🚗
P V D C	DHARAM SINGH	DL2CA6574	UP16042901 ..	UP	29/04/2016	NIL	🔔 ₹ ! 🚗
P V D C		UK10TA0358	UK16042912 ..	UK ..	29/04/2016	NIL	🔔 ₹ ! 🚗
P V D C	R M U T C	UK07PA0325	UK16042806 ..	UK ..	28/04/2016	NIL	🔔 ₹ ! 🚗
P V D C	SAUNDY KUMAR	UK07TA4445	UK16042806 ..	UK ..	28/04/2016	NIL	🔔 ₹ ! 🚗

Click on 'Manage Device' icon to manage the devices

Manage Device home page screen where the user admin can able to manage the list of devices and receiving the notification for requested devices for approval

Ministry of Road Transport and Highways

Device List

Total Device : 48

353743053945901 (Deepak Nishad)

Click here to view user details

Click here to delete the user account

Requested date: 11/03/2016 07:03 PM

Approved By: superadmin

Approved date: 14/03/2016 12:03 PM

Requested Devices

No Device Found.

Click here to approve the device request

Upon clicking on 'Manage Device' icon, A new screen appears where the user check and approve

the requested devices from other users or click on '📄' icon to view the details of the user and click on '🗑️' icon to delete the user id or click on 'Home' to return back to the home back.

Screen for accessing the Role Management

Ministry of Road Transport and Highways

Dashboard Statistics:

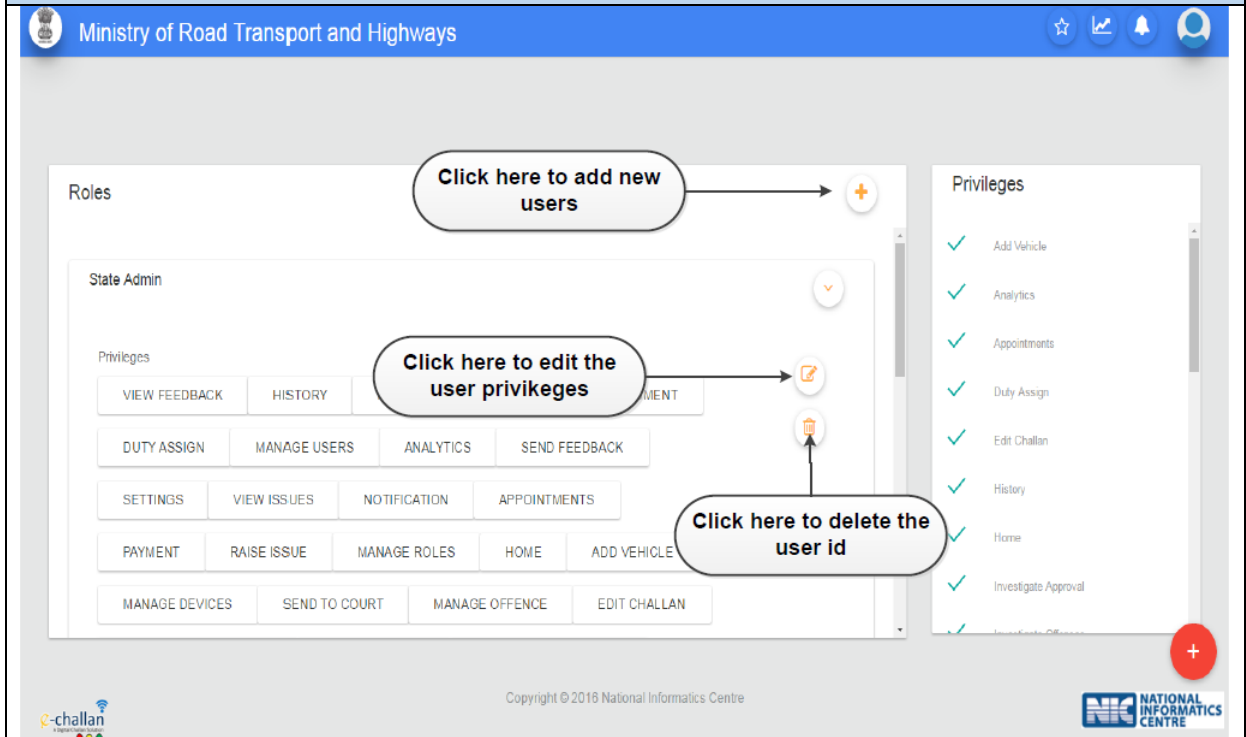
- Cases Till Date This Month: 86
- Disposed Cases This Month: 62
- Pending Cases This Month: 24
- Pending from Court This Month: 13
- Revenue Pending This Month: 66.5K
- Revenue Collected This Month: 164.9K



	Accused Name	DL/RC Number	Challan No.	State	Booking Date	Amount	Action
P V D C	MR SANTOSH SAKLANI	UK07TA2223	UK16043006...	UK ..	30/04/2016	NIL	📄 🗑️ 🚗
P V D C	DHARAM SINGH	DL2CA6574	UP16042901...	UP	29/04/2016	NIL	📄 🗑️ 🚗
P V D C		UK10TA0358	UK16042912...	UK ..	29/04/2016	NIL	📄 🗑️ 🚗
P V D C	R M U T C	UK07PA0325	UK16042806...	UK ..	28/04/2016	NIL	📄 🗑️ 🚗
P V D C	SAJAN KUMAR	UK07TA4445	UK16042806...	UK ..	28/04/2016	NIL	📄 🗑️ 🚗

Click here to go for Manage Roles

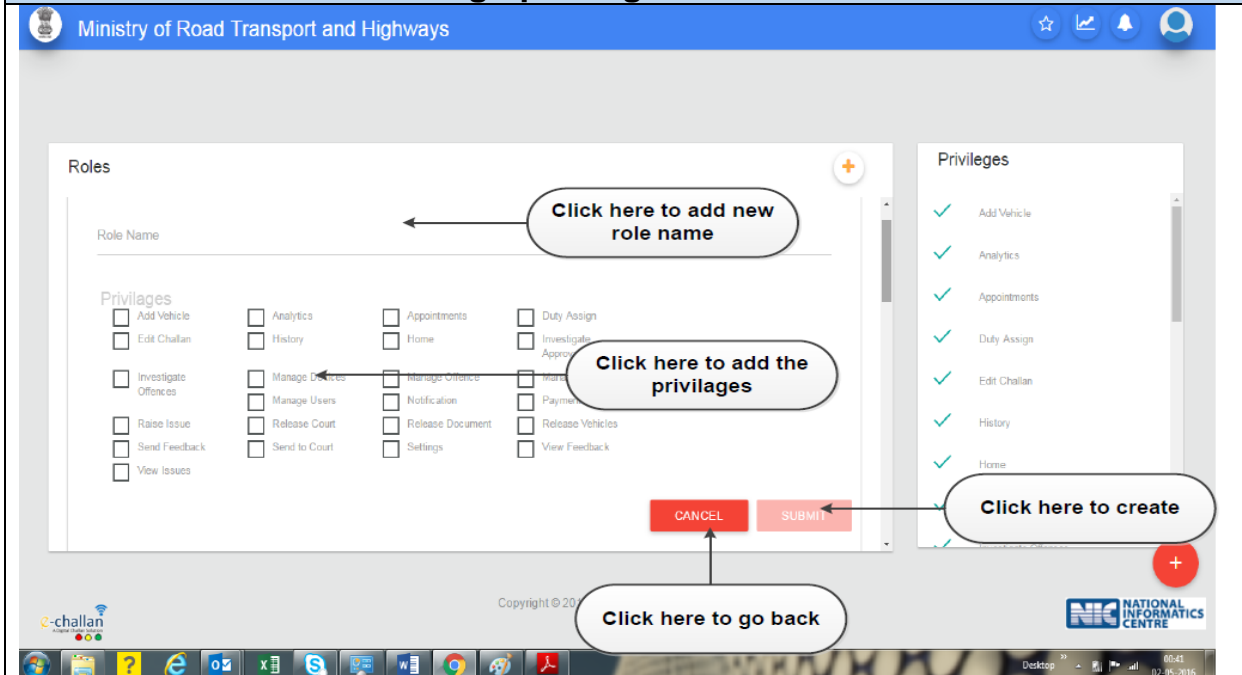
Click on '👤' icon to manage the role of other users.

Role Management home page screen where the user admin can able to manage the privileges/roles of other user's such as view feedback, history, release vehicles, release documents, manage users, analytics etc



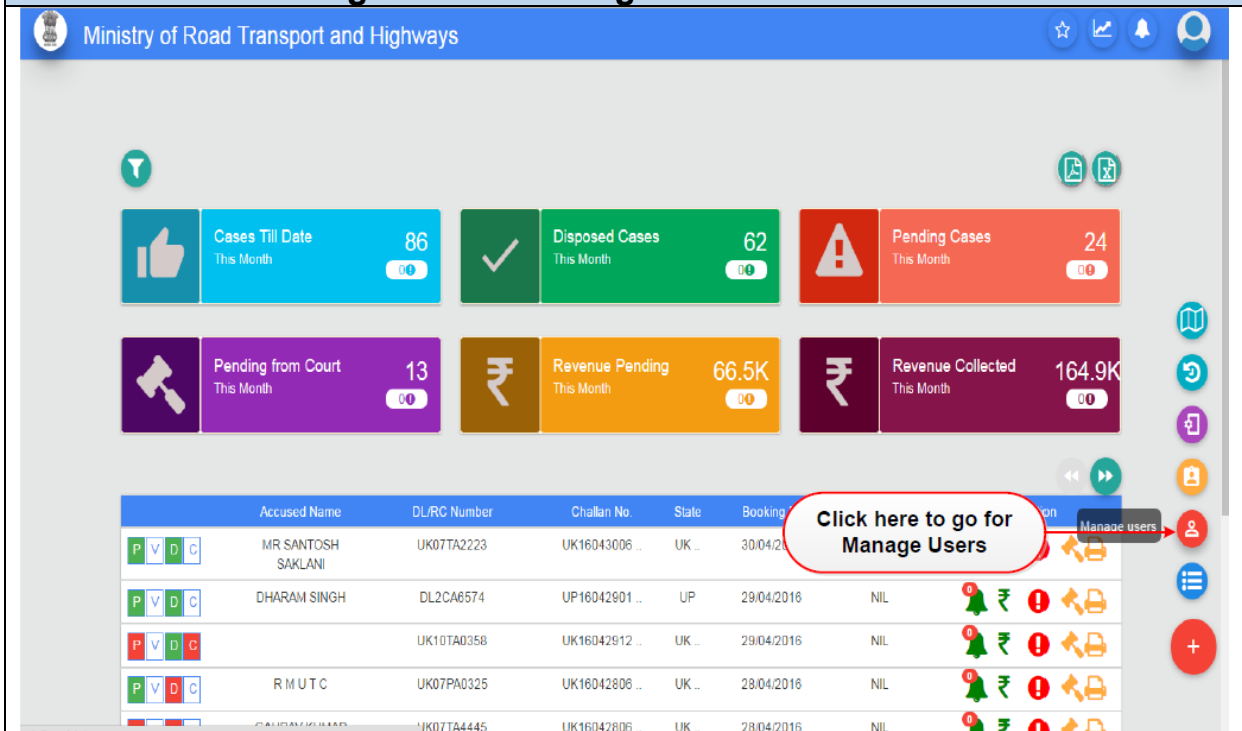
Upon clicking on  icon, A new screen appears where the admin user click on , icon to check the details of privileges of the other user id's or click on 'Edit' for any editions or click on 'Delete' for deletion of user id or click on '+' for add privileges to the new user id

Role Management home page screen where the admin user can able to create a new roles and assign privileges



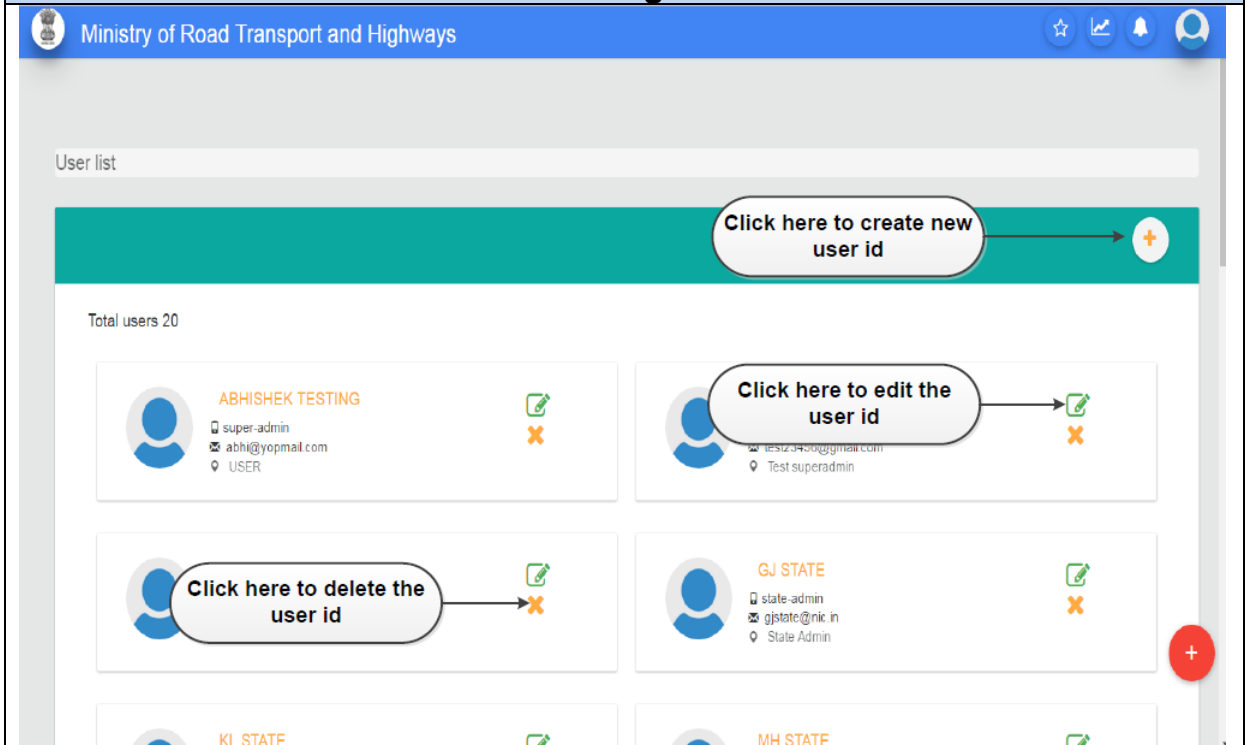
Once the user clicked on '+', a new screen appears where the admin user provide the privileges to the other user id and click on 'Submit' for submission or click on 'Cancel' to return back to the role management home page or click on 'Home' to return back to the home page.

Screen for accessing the User Management



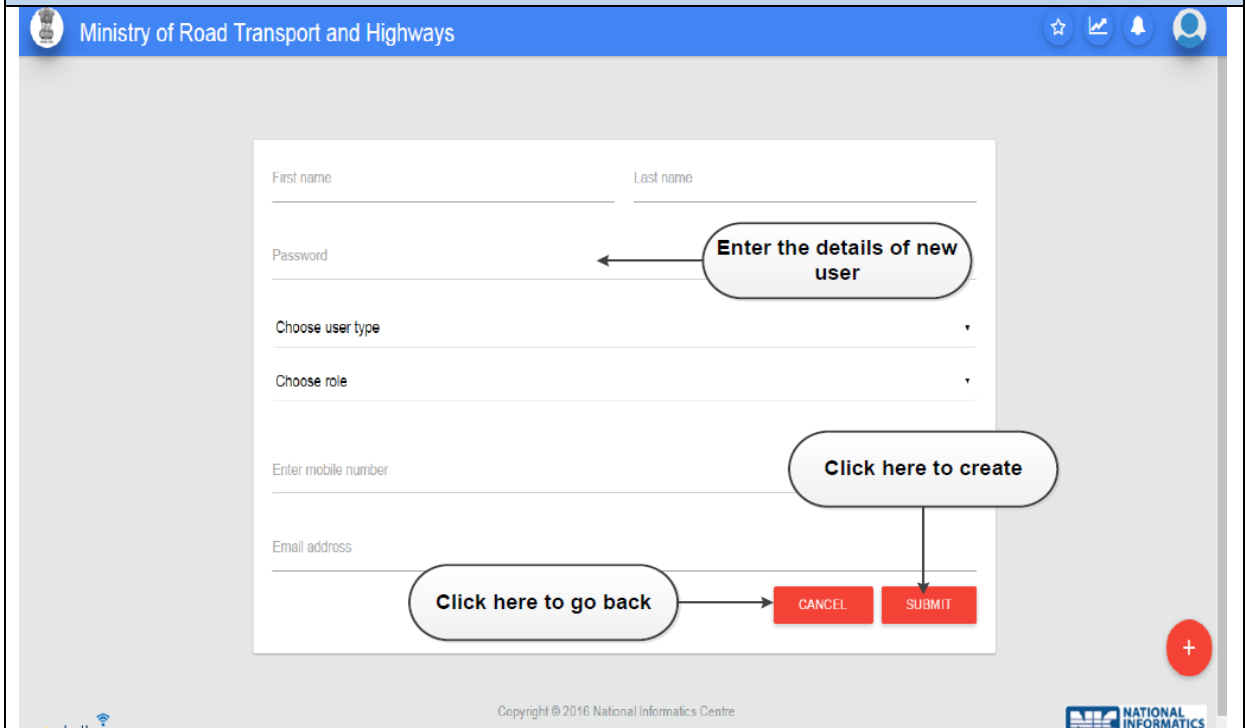
Click on 'Manage users' icon to manage the user's.

User Manage home page screen where the admin user can able to create a new users or edit / delete the existing the user's.



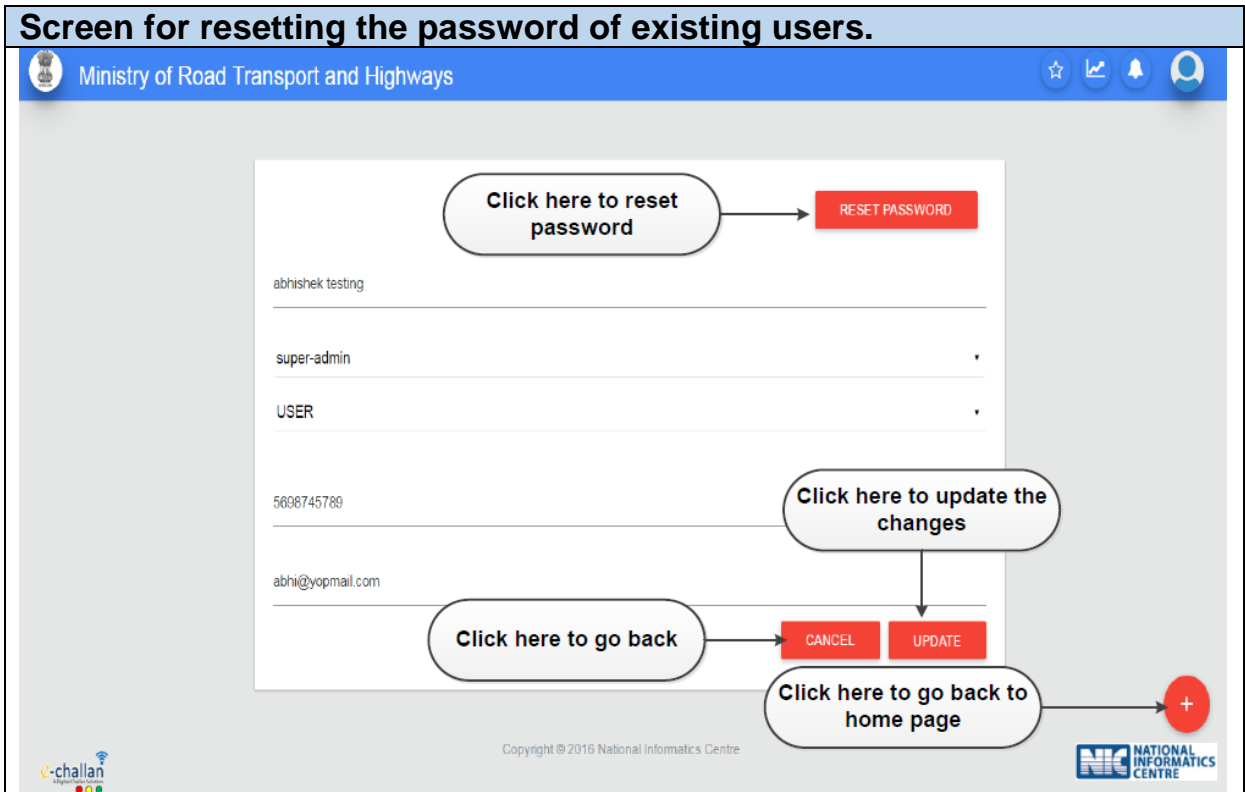
Upon the clicking on '👤' icon, a new screen appears where the admin user click on '+' to create a new user or click on '✍️' icon for edit or click on '✖️' icon for delete the user id.

Creation of new user id screen



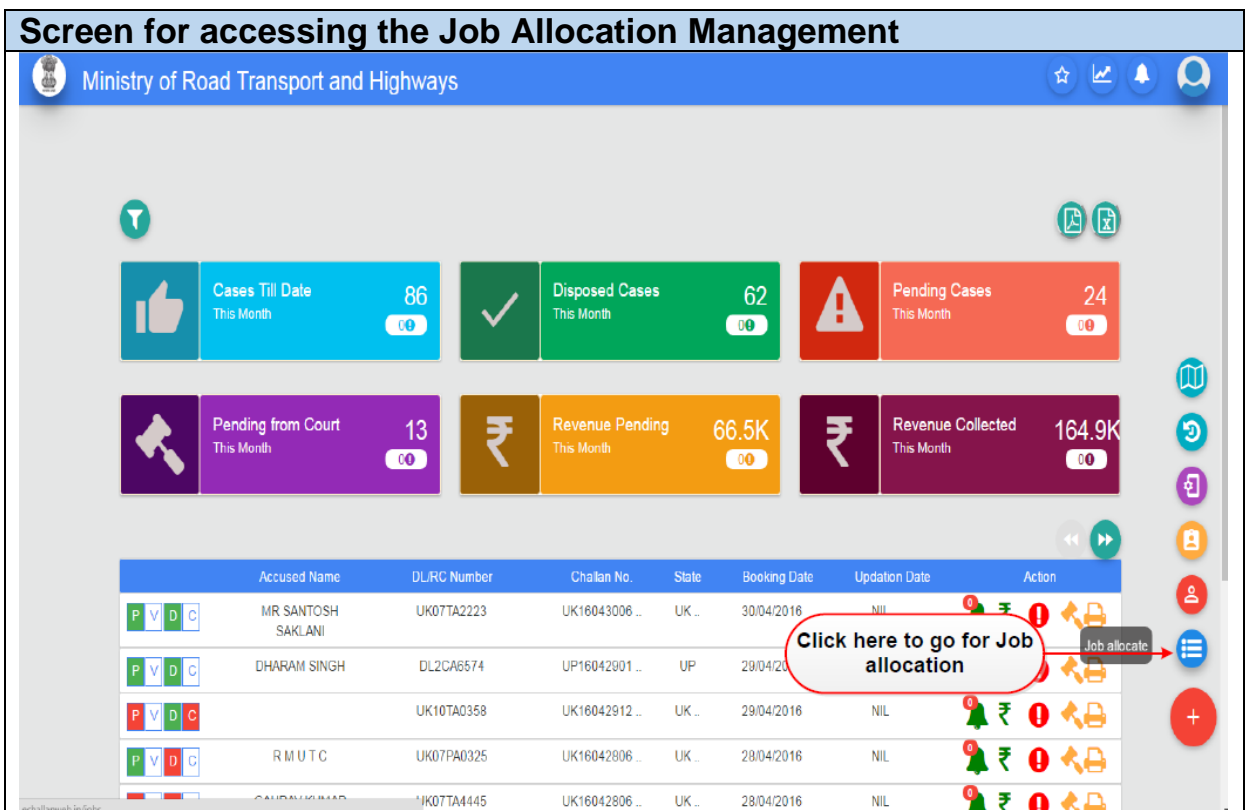
Once the user clicked on '+' icon, a new screen appears where the admin user enter the details of new user to create a new user id and click on 'Submit' to complete or click on 'Cancel' to return back to the user manager home page.

Screen for resetting the password of existing users.



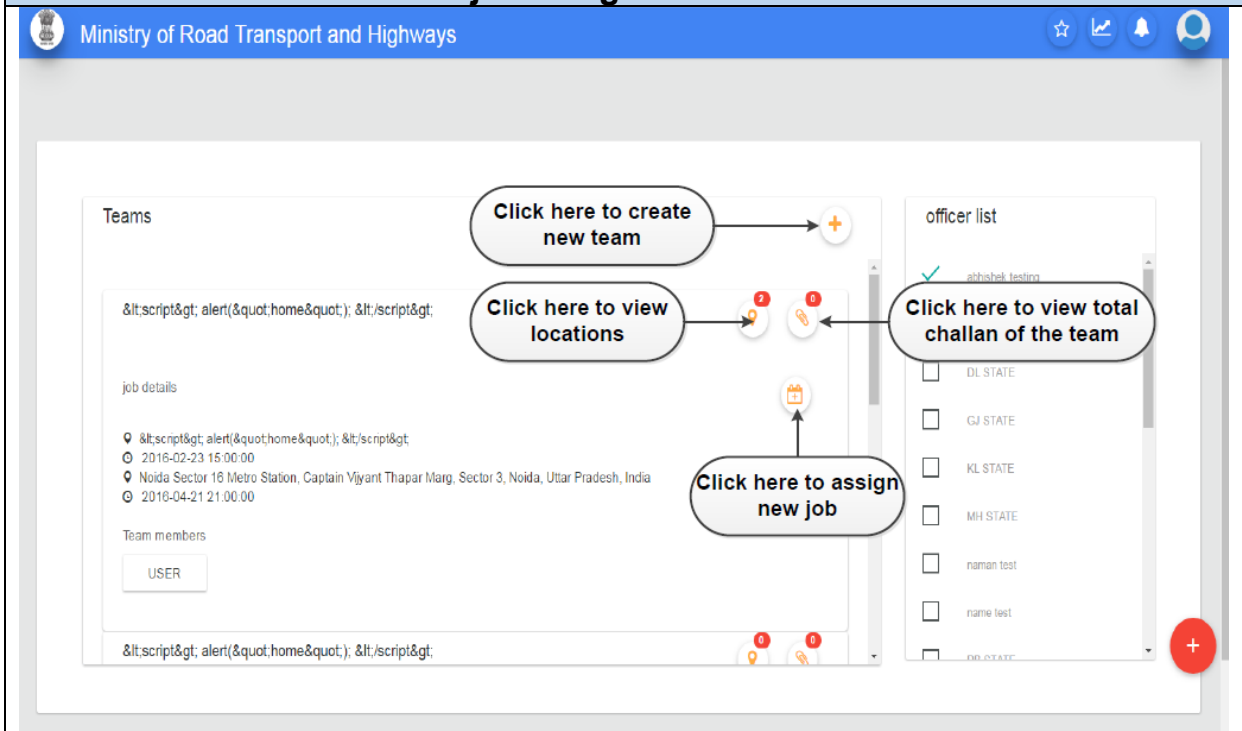
Upon clicking on 'edit' icon, a new screen appears where the admin user edit the details of user and click on 'Update' for updation or click on 'Cancel' to return back or click on 'Reset Password' for reset the password of the user or click on 'home' to return back to home page

Screen for accessing the Job Allocation Management



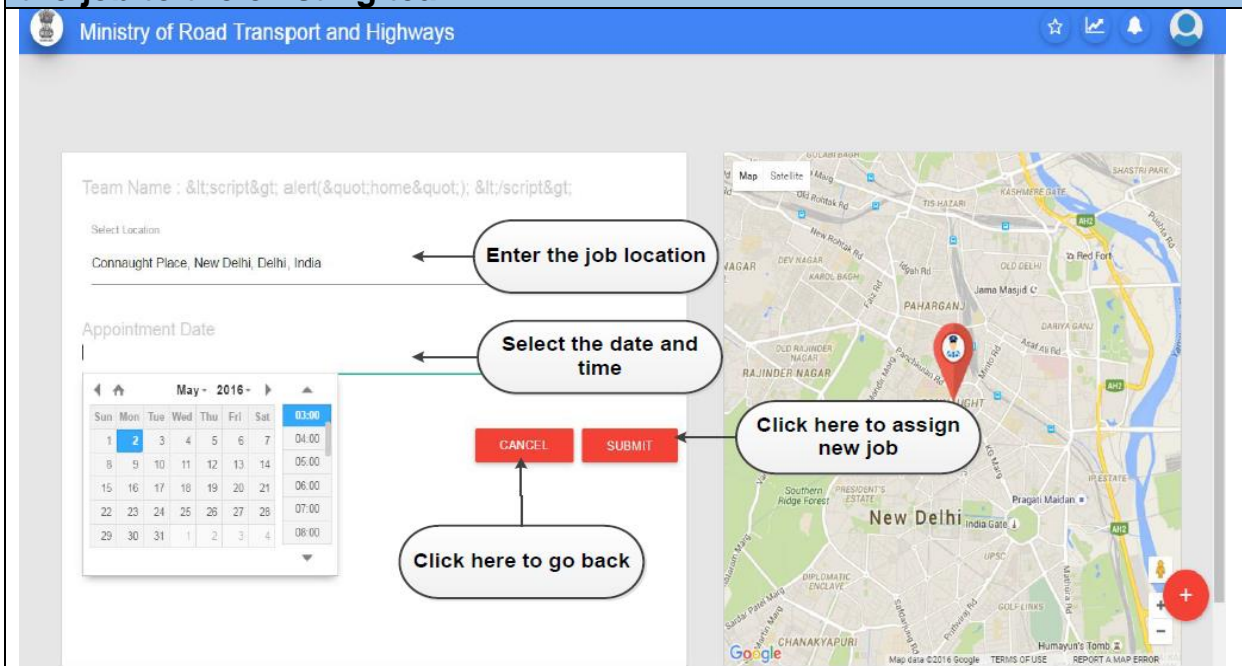
Click on 'Menu' icon to manage the job allocation

Job Allocate home page screen where the admin user can able to check the list of officers, total challan of existing team & their locations and create new officer team for job assignment



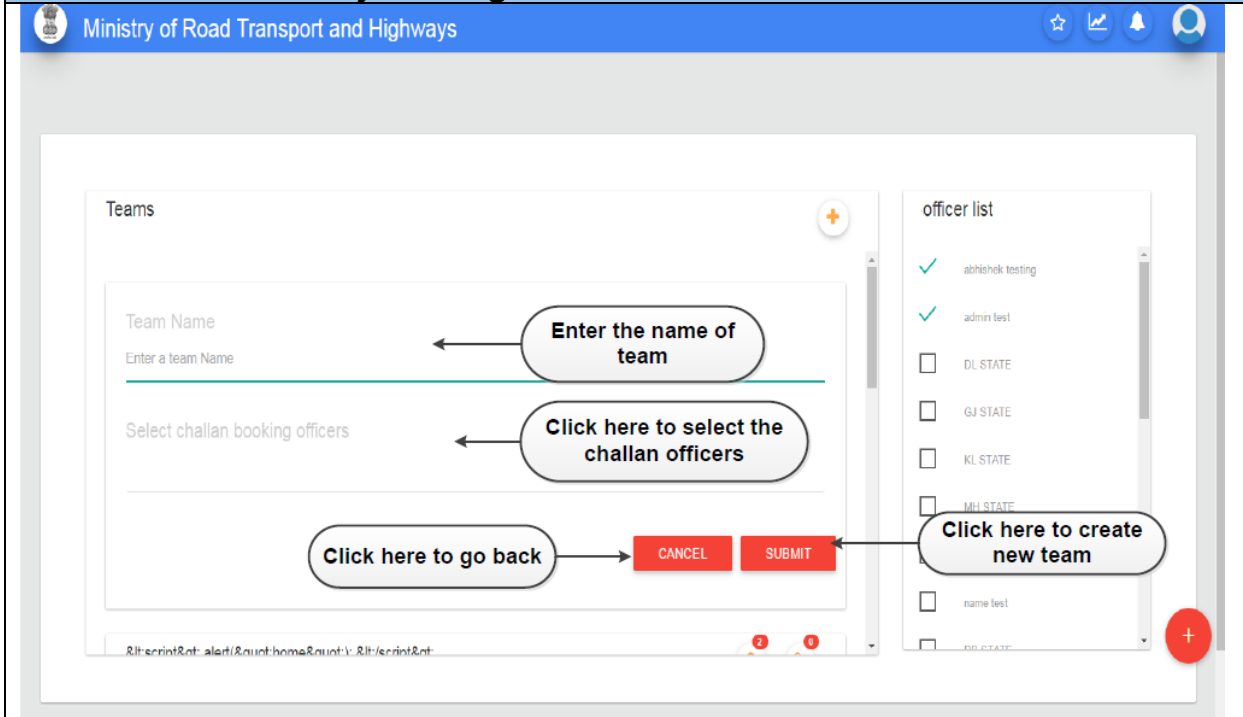
Upon clicking on '☰' icon, a new screen appears where the admin user select the team from the officer list and click on '+' to create a new team or click on '📍' to view the total jobs and location of the existing team or click on '📅' icon to view the total challah of the existing team or click on '📅' icon to assign a new job to existing team

Job Allocate home page screen where the admin user can able to assign the job to the existing team



Upon clicking on '📅' icon, a new screen appears where the admin user select the location and date and click on 'Submit' to assign the job allocation of officers or click on 'Cancel' to return back to job allocate page.

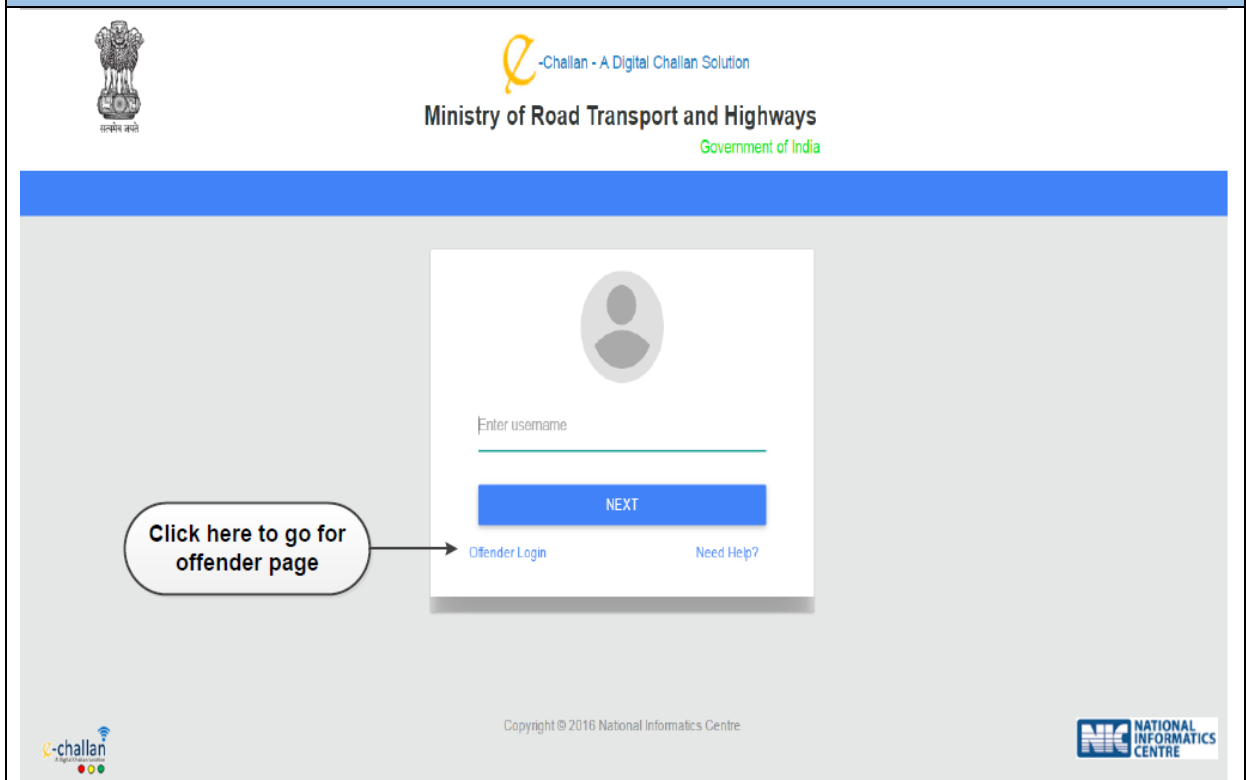
Job Allocate home page screen where the admin user can able to create new officer team for job assignment



Once the user clicked on '+' a new screen appears where the admin user enter the name of team, Select the challan booking officers and click on 'Submit' to create a new team or click on 'Cancel' to return back to the job allocation page or click on 'Home' to return back to the home page.

6.2 Offender Login:

Login page for offender login



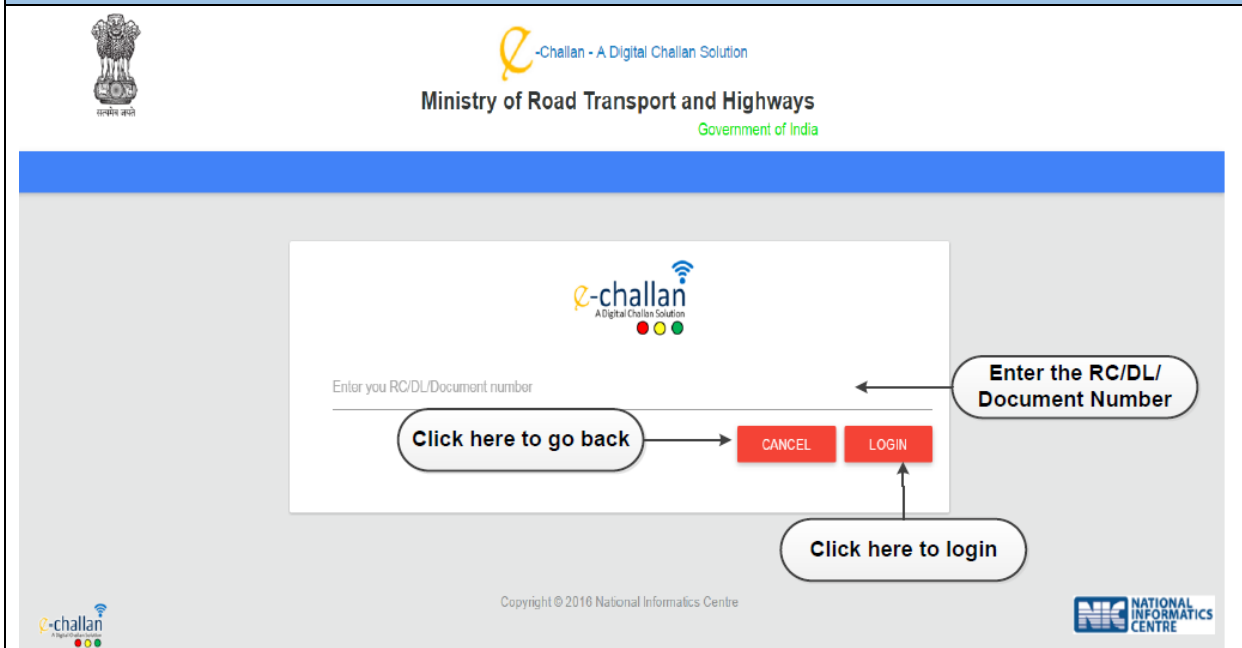
Click on 'Offender login' to access the offender page

Offender Login Page for entering the Challan Number



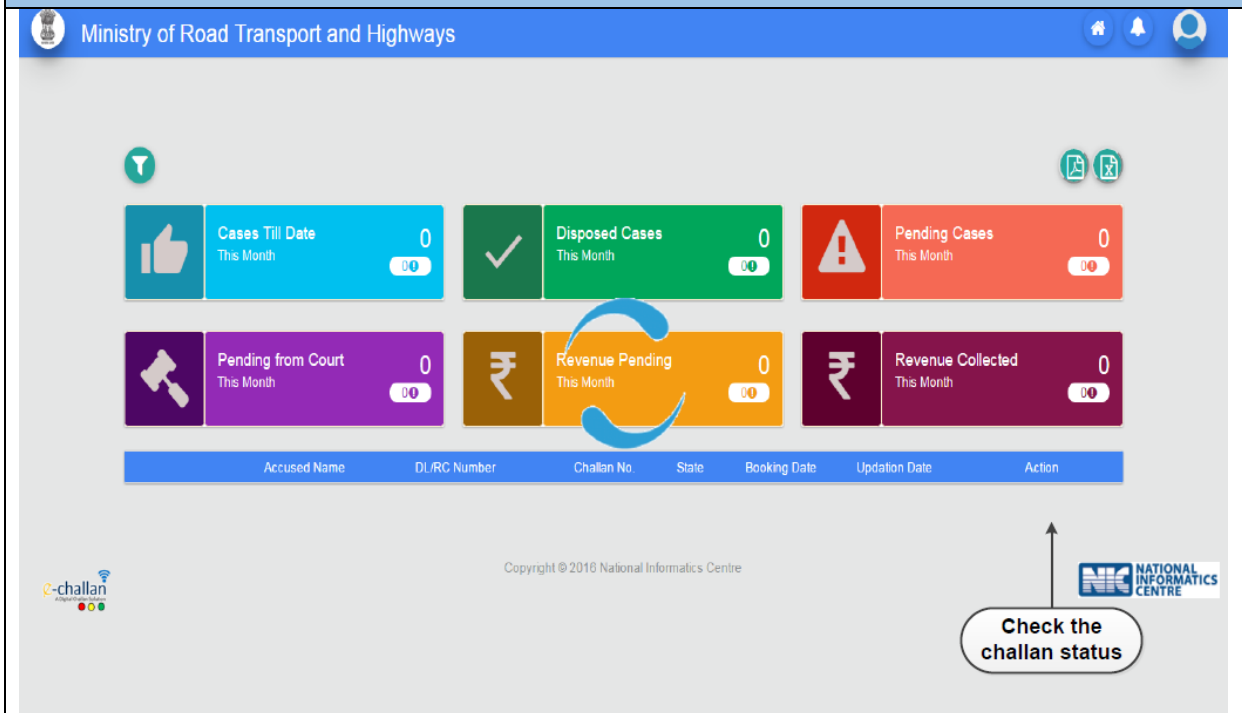
Upon clicking on 'Offender login', A new screen appears where the offender enter challan number and click on 'NEXT' to process future.

Offender Login Page for entering the RC/DL/Document number



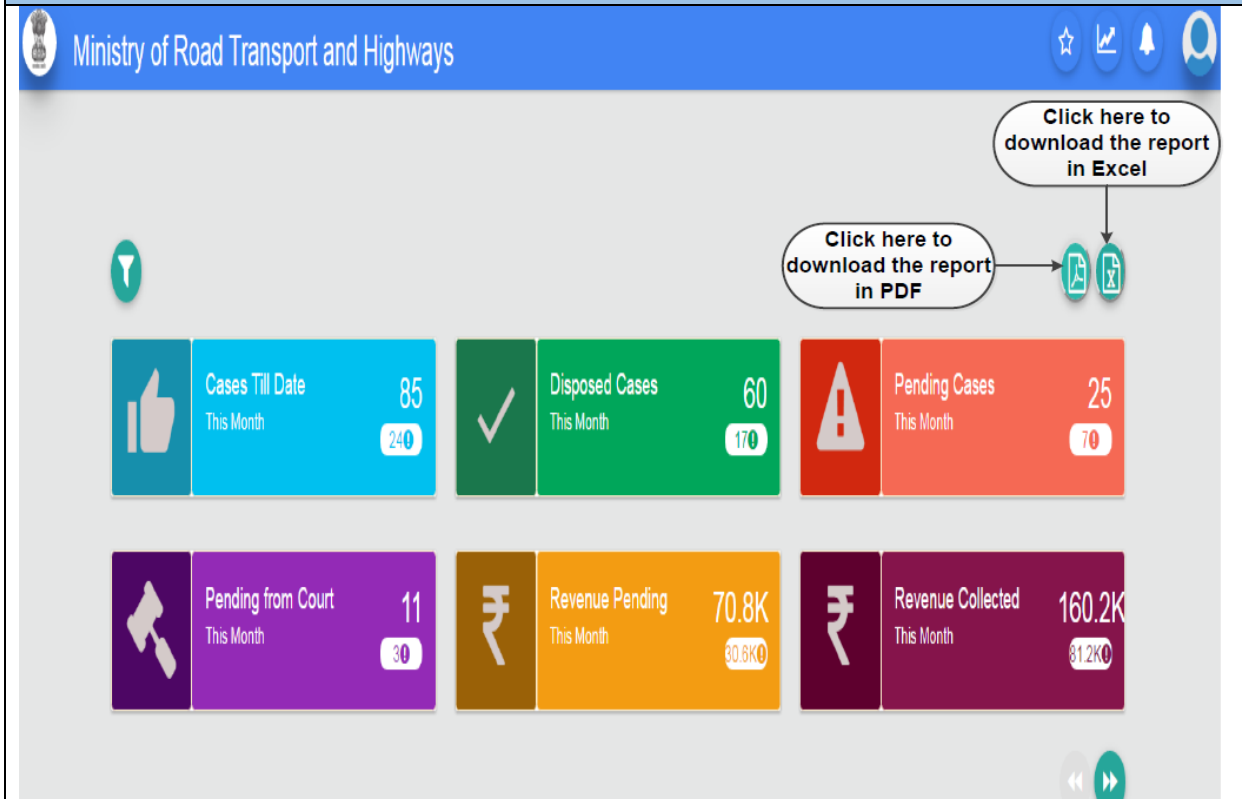
Once the offender clicked on 'NEXT', A new screen appears where the offender enter RC/DL/ Document number and click on 'Login' to login the web application or Click on 'Cancel' to return back to the previous page.

Screen for checking the status of challan



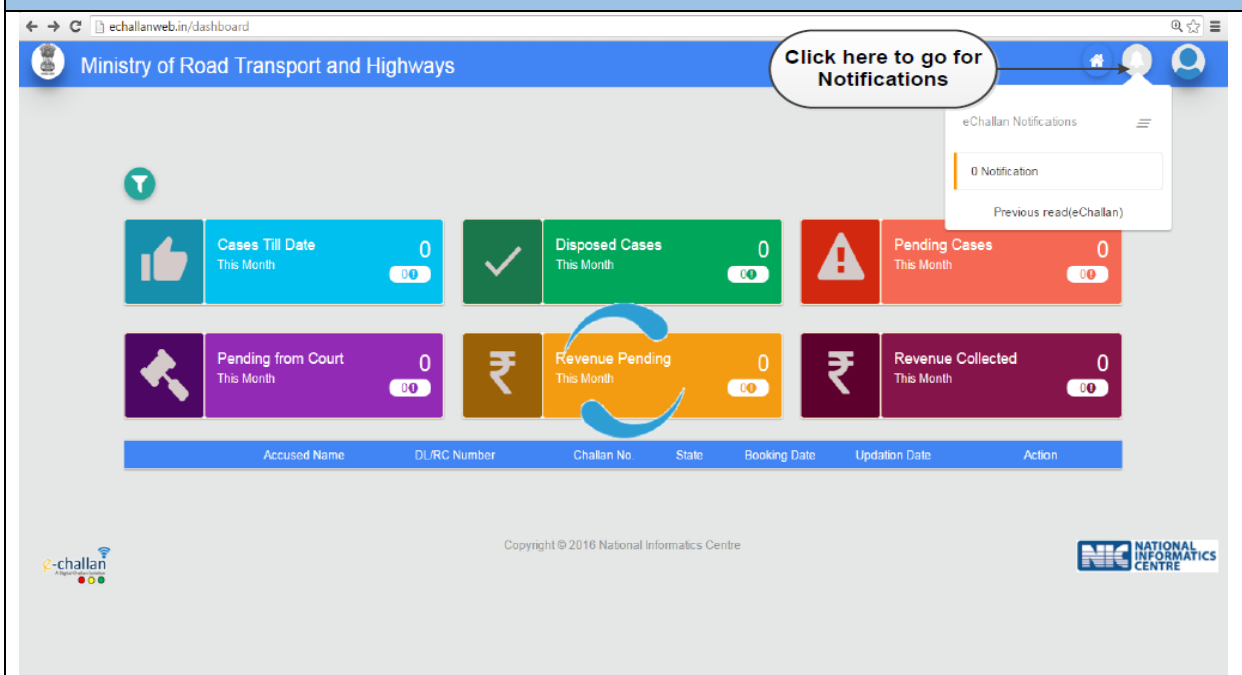
Once the user logged into the web application page, A new screen appears where the offender check the status of challan.

Screen for downloading the report in 'PDF' or 'Excel' format



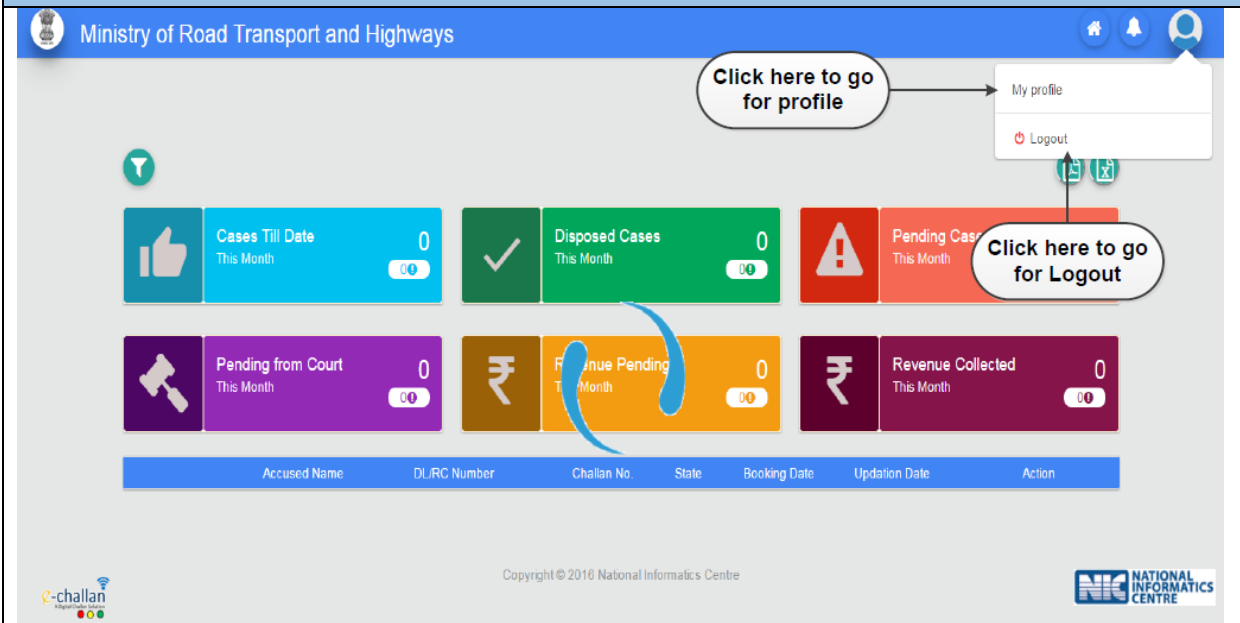
Click on “” icon to download the report in PDF format or Click on “” icon to download the report in excel format.

Screen for viewing the Notifications received from the RTO



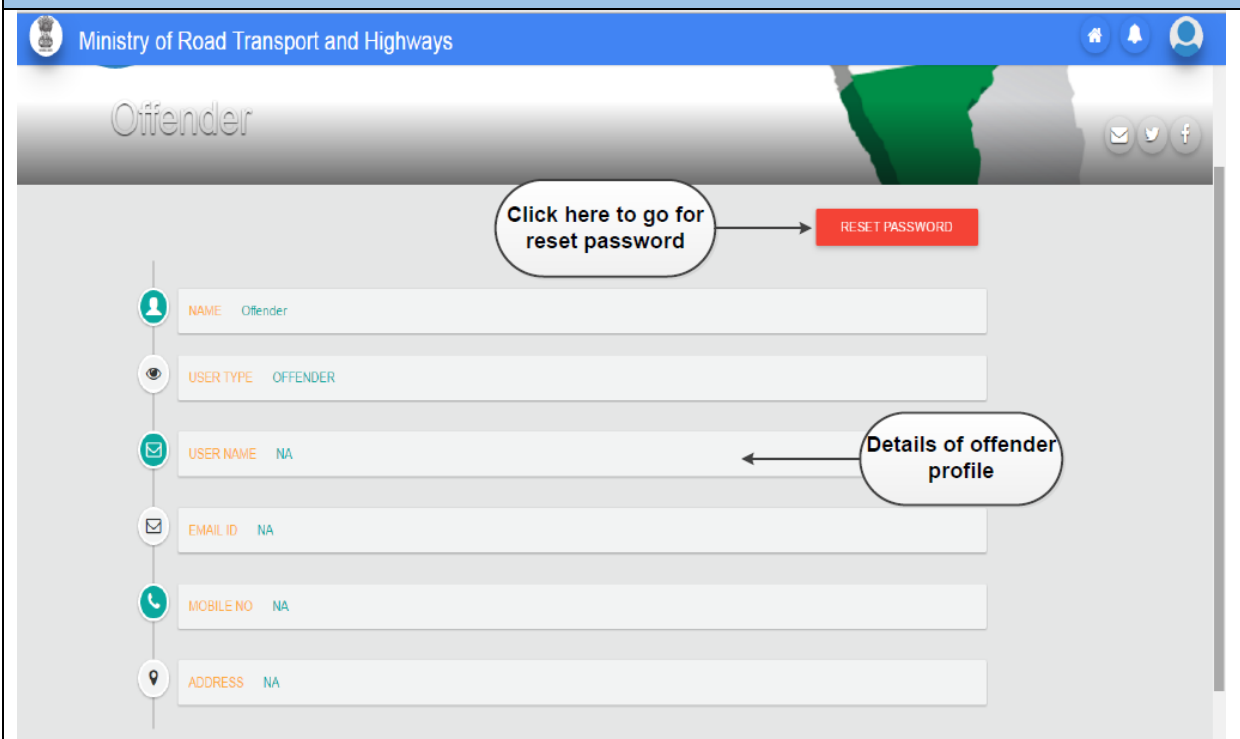
Click on '🔔' icon to check the notifications from RTO.

Screen for viewing the user profile or logout from the web application



Click on "👤" icon, where the two options appears 'My Profile' and 'Logout', click on 'My Profile' to view the user profile or click on 'Logout' to switch from the application.

Screen for viewing the profile information's



Upon clicking on 'My Profile', A new screen appear where the offender view his profile or click on 'Reset Password' to reset his password.

Screen for Password Resetting

Ministry of Road Transport and Highways

Offender

Old Password

New Password

Confirm Password

Click here to go back

CANCEL UPDATE

Click here to confirm

11:26 02-05-2016

Upon clicking on 'Password Reset', A new screen appear where the offender enter his old password, new password & confirm password and click on 'update' to generate a new password or click on 'Cancel' to return

6.3 Traffic Officers Login

Login Page for entering the User name and Password



Enter 'user name' & 'password' and click on 'Login' to access the application

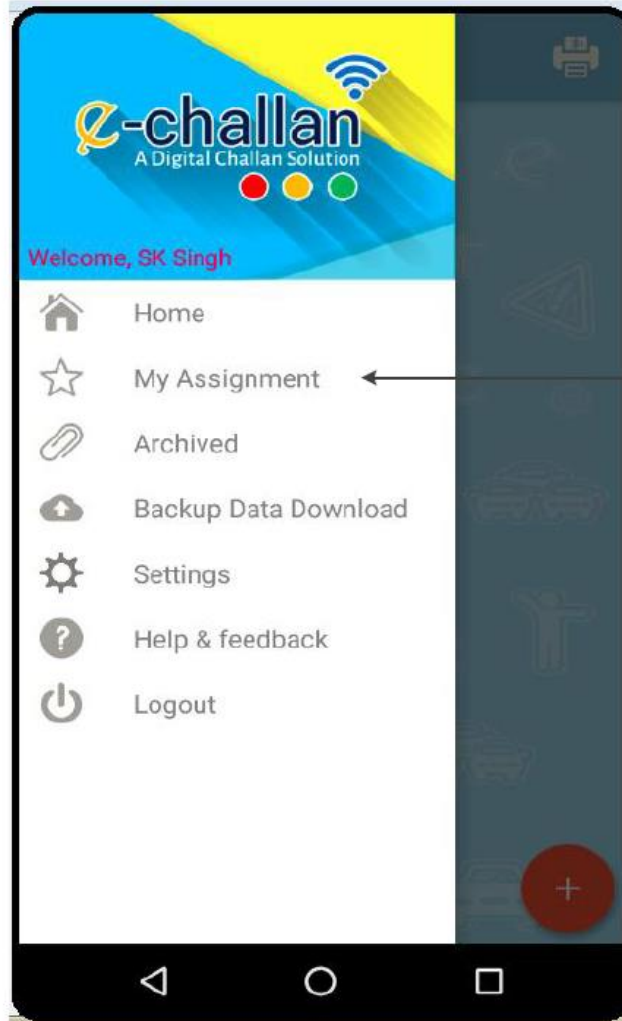
Welcome page screen of the mobile application



Click here to proceed next

Click on 'OK' to proceed future

Screen for accessing the My Assignment




Click here to go for assignment

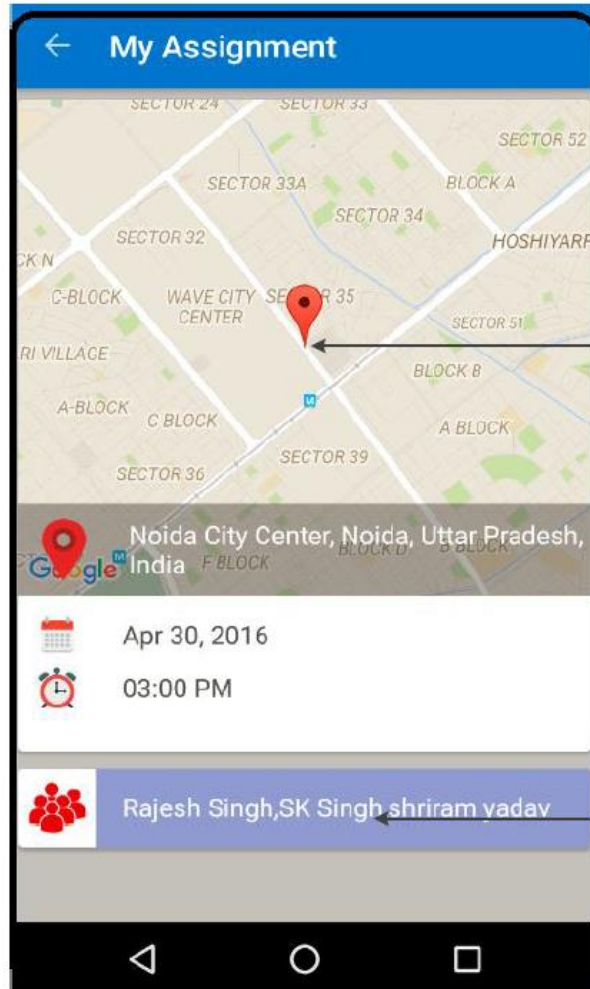
Click on 'My Assignment' to check the assignment

Screen for viewing the assignment



Upon clicking on 'My Assignment' , A screen appears where the user Click on '  ' icon to check the assignment location

Screen for viewing the task location, date, time and team

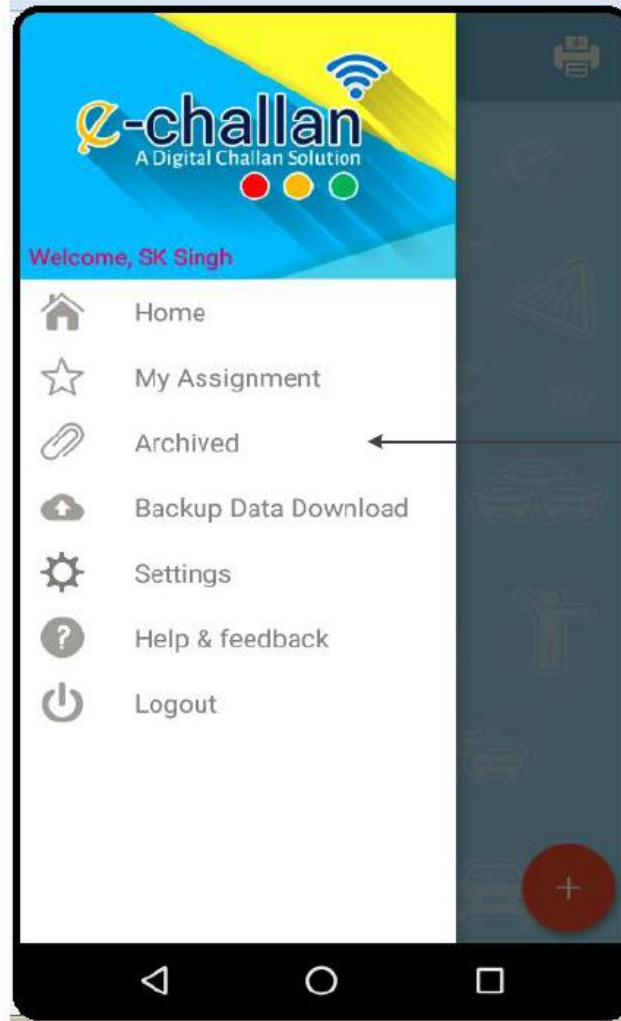


Click here check the location details

Click here view the job team

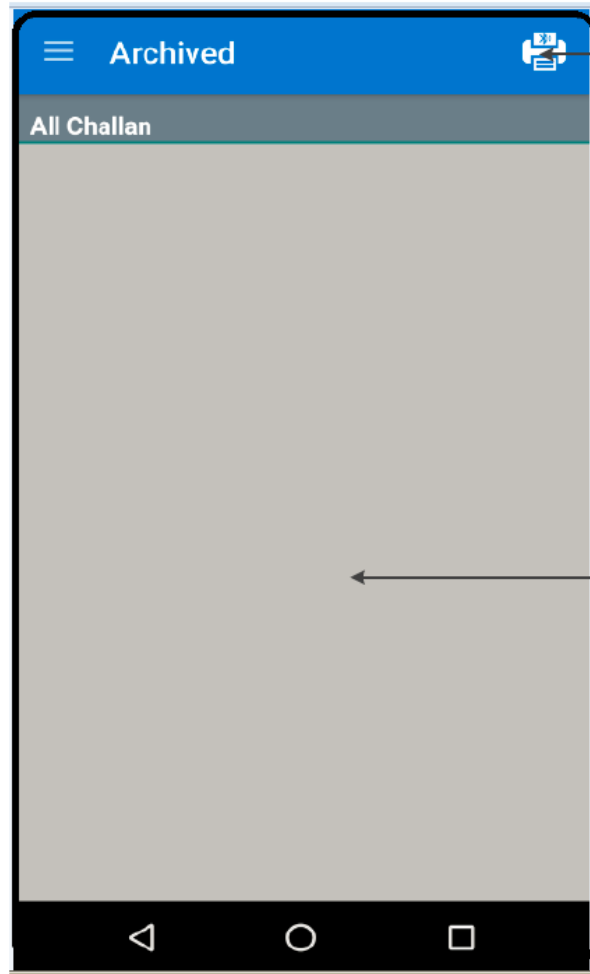
Once the user clicked on '📍' icon , Again a new screen appears where the user Click on '👥' icon to view the details of team on assignment location

Screen for accessing the Archived




Click on 'Archived' to check the challan history

Home page screen of Archived

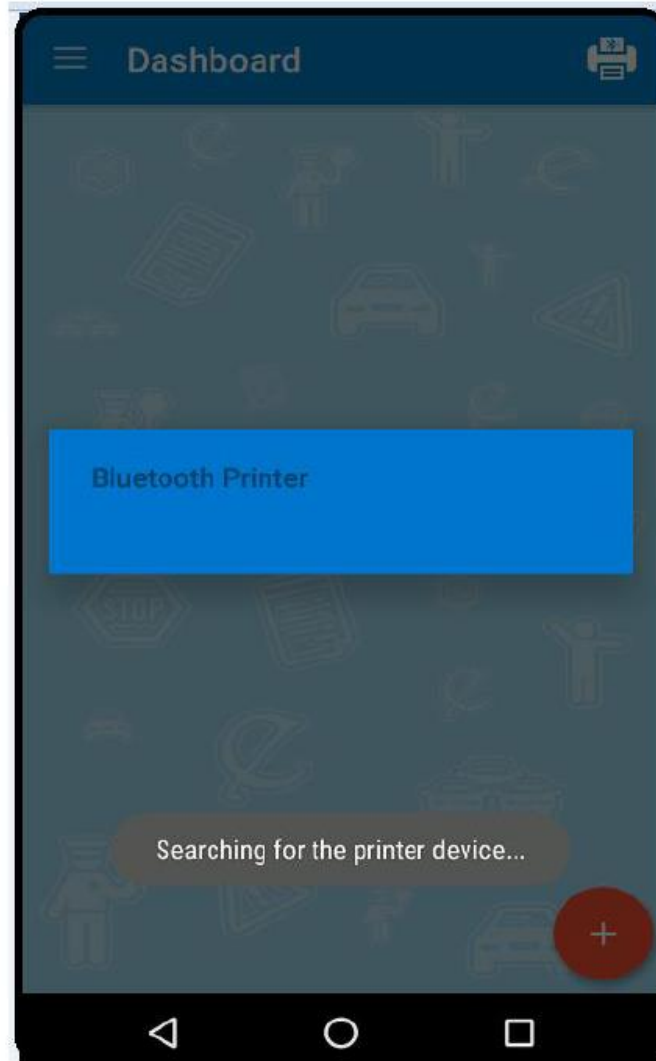



Click here to connect the device with printer

Details of Challan appears there

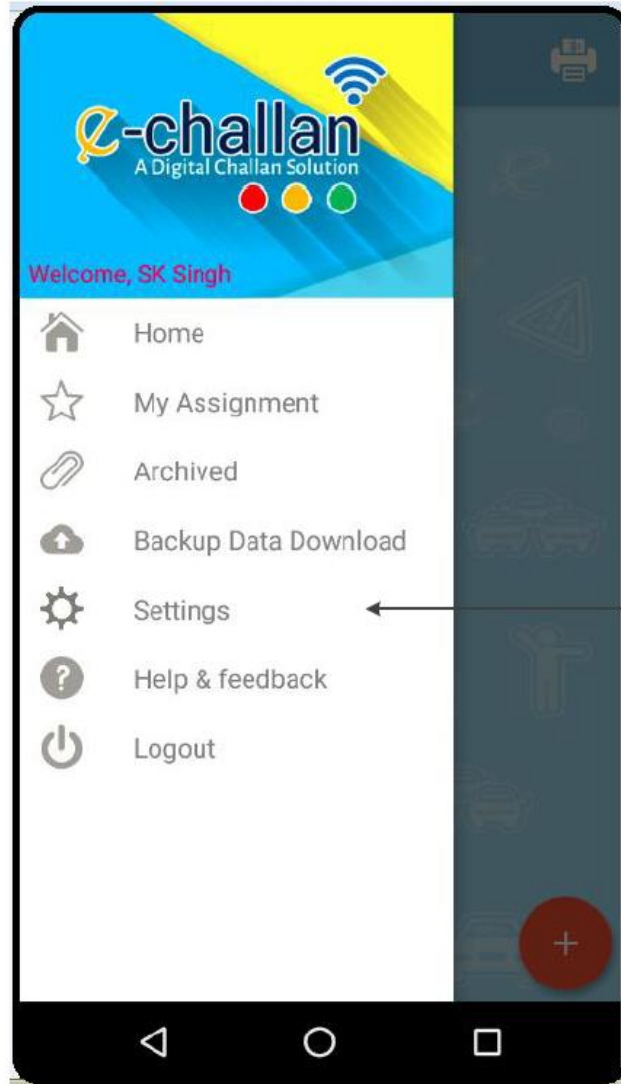
Upon clicking on 'Archived', A new screen appears where the user can able to view the challan history record or click on  icon to print the selected challan

Screen for selecting the printer



Once the user clicked on '  ' icon, the mobile connected with printer

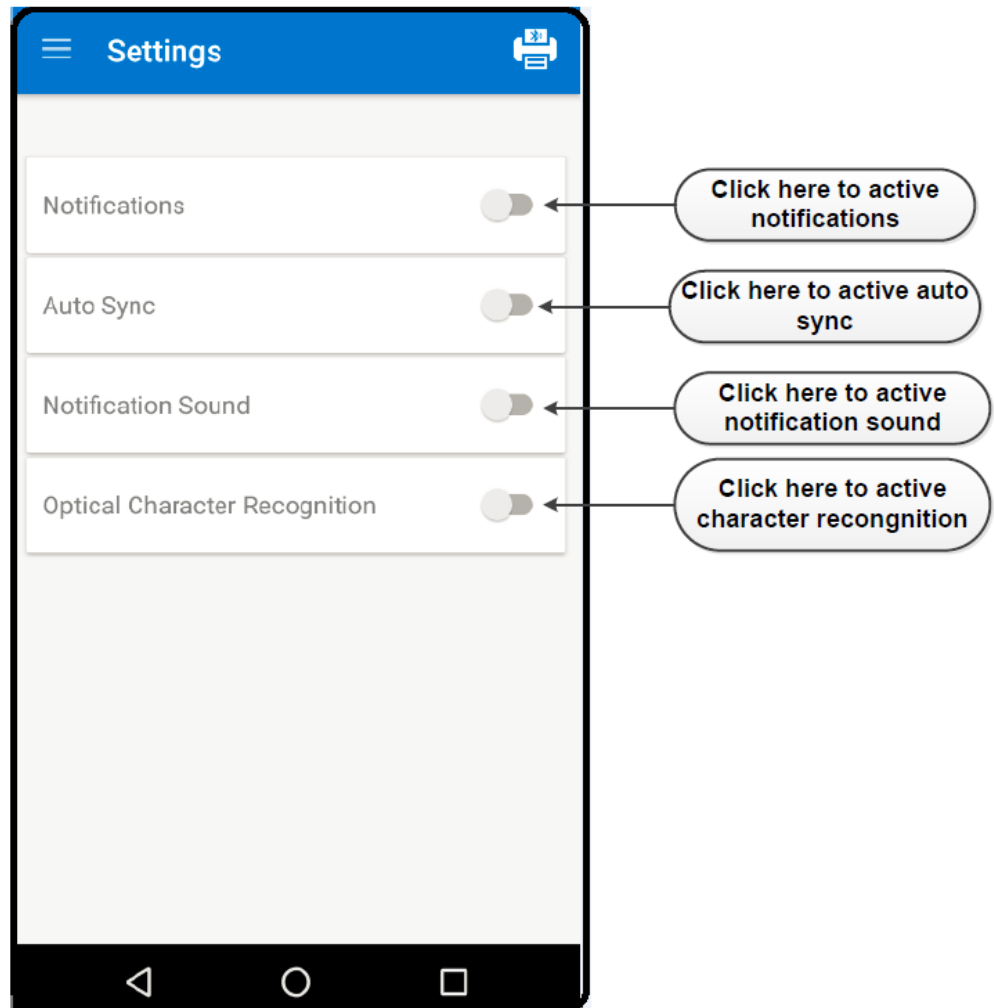
Screen for accessing the Settings



Click here to go for
Archived

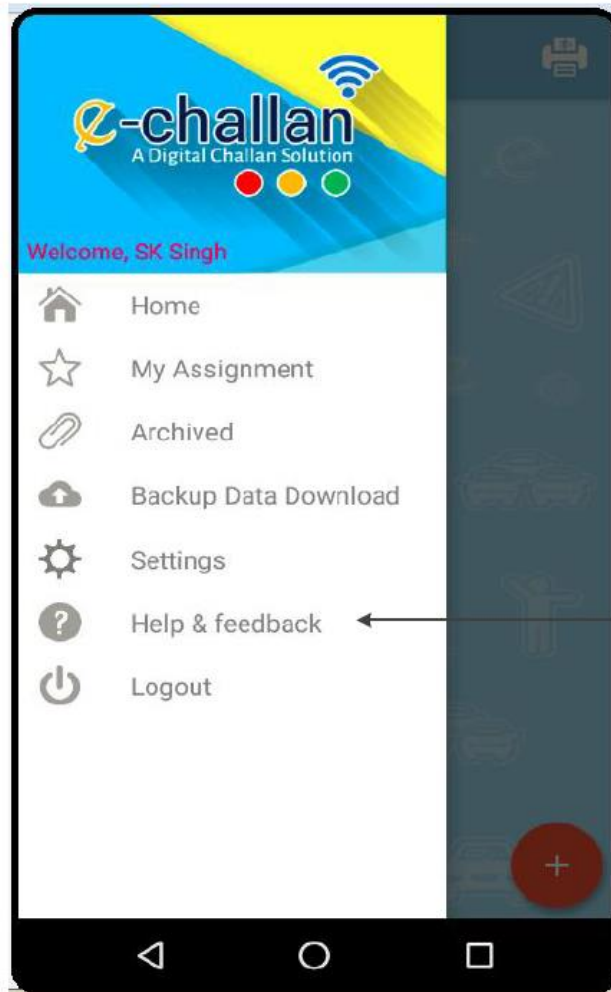
Click on 'Setting's to change application settings

Home page of Settings screen



Upon clicking on 'Settings' A new screen appears where the user can able to change the application settings of 'Notification', 'Auto Sync', 'Notification Sound' and 'Optical Character Recognition'.

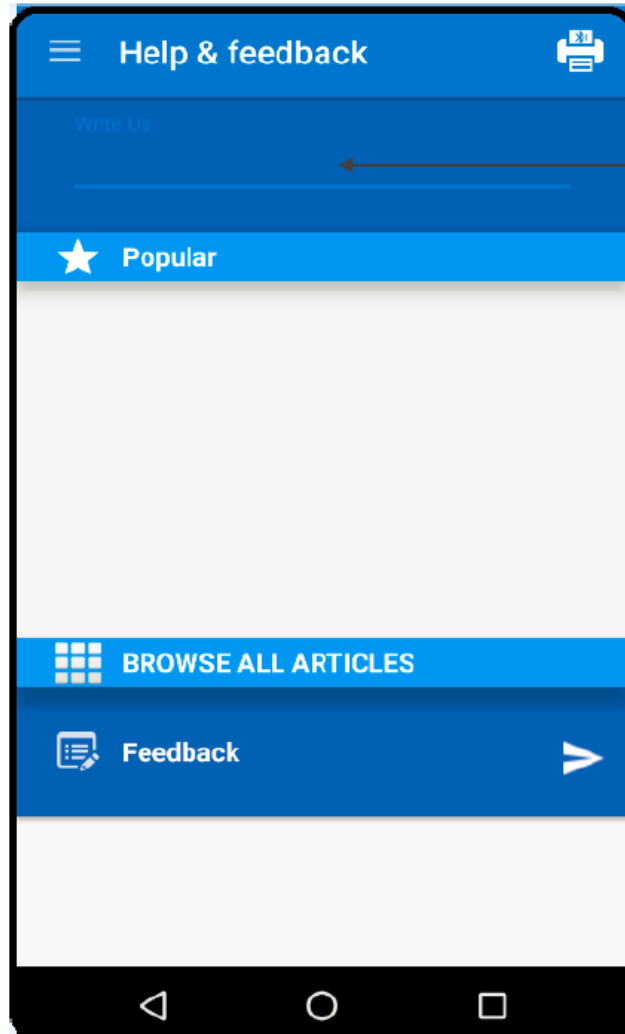
Screen for accessing the 'Help and Feedback'



Click here to go for
Help & Feedback

Click on 'Help & Feedback' for any assistance

Home page screen for Help and Feedback



Upon clicking on 'Help & Feedback', A new screen appears where the user click on 'Feedback' to provide any feedbacks related to mobile application

Screen for submitting the feedback

The screenshot shows a mobile application interface for submitting feedback. At the top, there is a blue header with a back arrow and the text 'Feedback'. Below the header, the email address 'From : sksingh@nic.in' is displayed next to a red circular button with a white right-pointing arrow. Underneath is a text input field with the placeholder text 'Type in your feedback'. The main content area consists of a list of six rating categories, each with a corresponding rating value of '0 / 10':

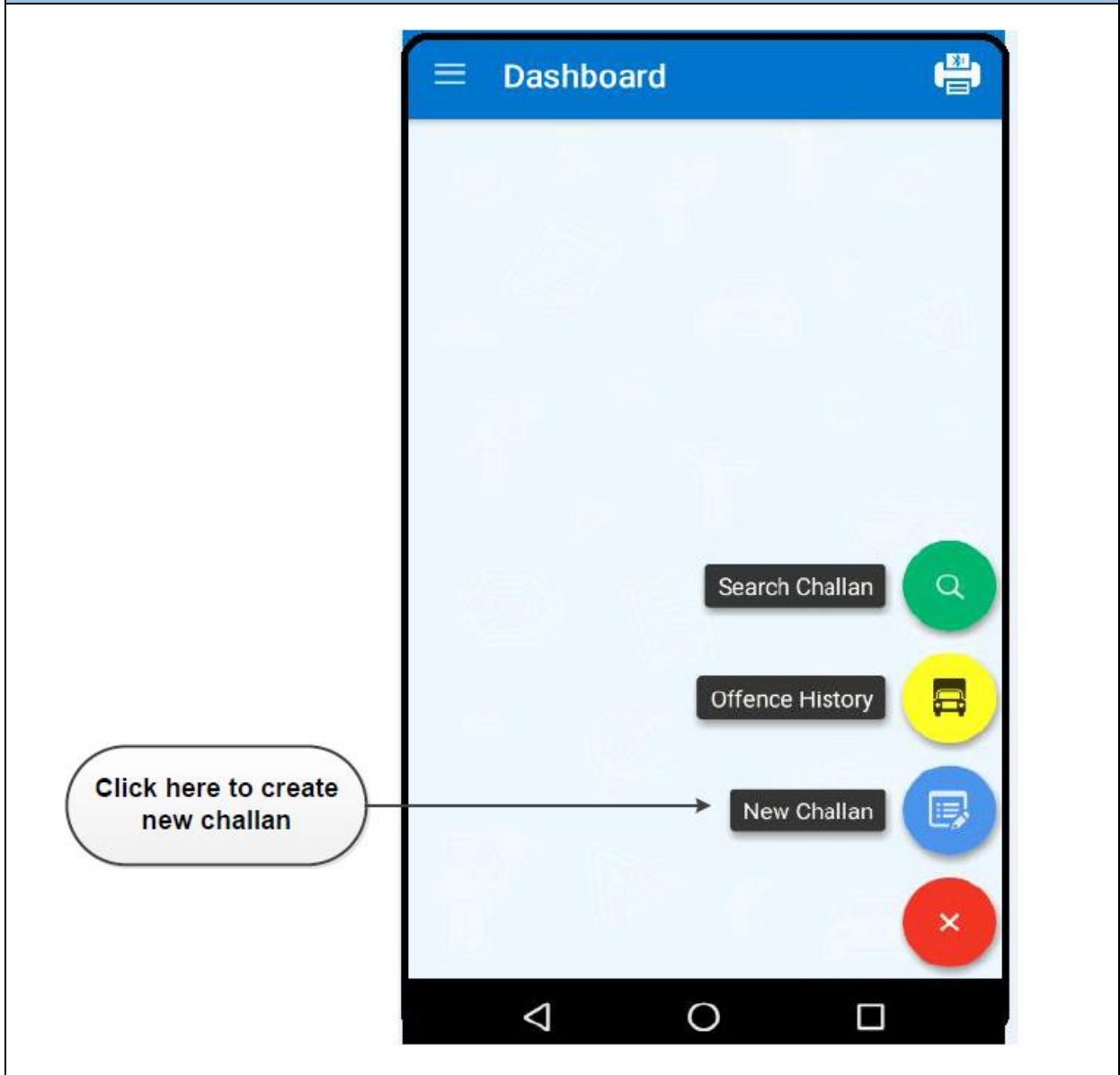
Rate to the System Uniqueness	0 / 10
Rate to the System Features	0 / 10
Rate to the System Potentials	0 / 10
Rate to the System Benefits	0 / 10
Rate to the System Utility	0 / 10
Rate to the System User Design	0 / 10

At the bottom of the screen, there are three navigation icons: a left-pointing triangle, a circle, and a square.

Enter feedback rating

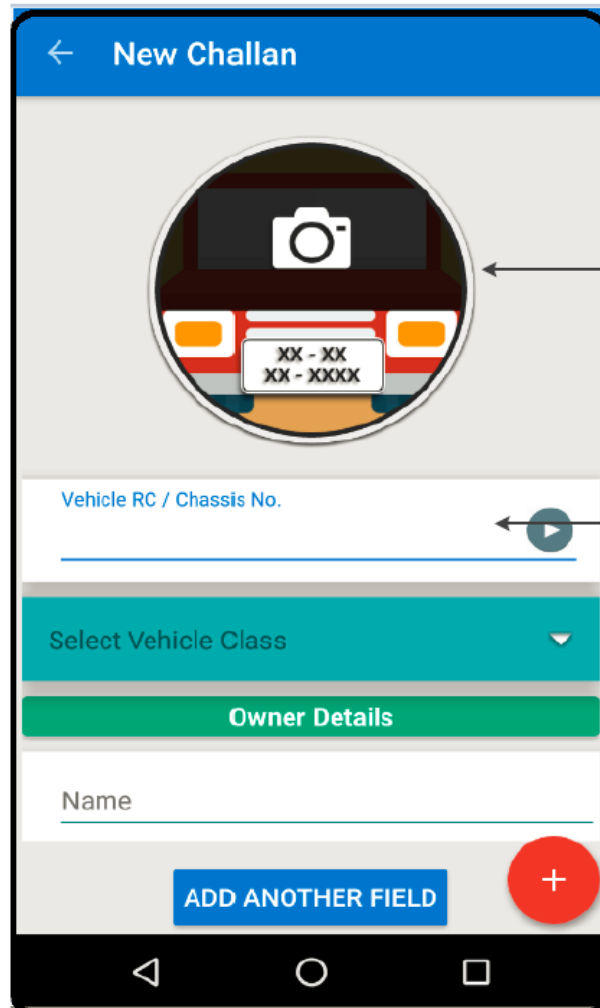
Once the user clicked on 'Feedback', A new screen appears where the user can provide his feedback and click on 'Send' to submit the feedbacks

Screen for creating a New Challan




Click on 'New Challan' to create a new challan

Screen for capturing the RC image and update RC number

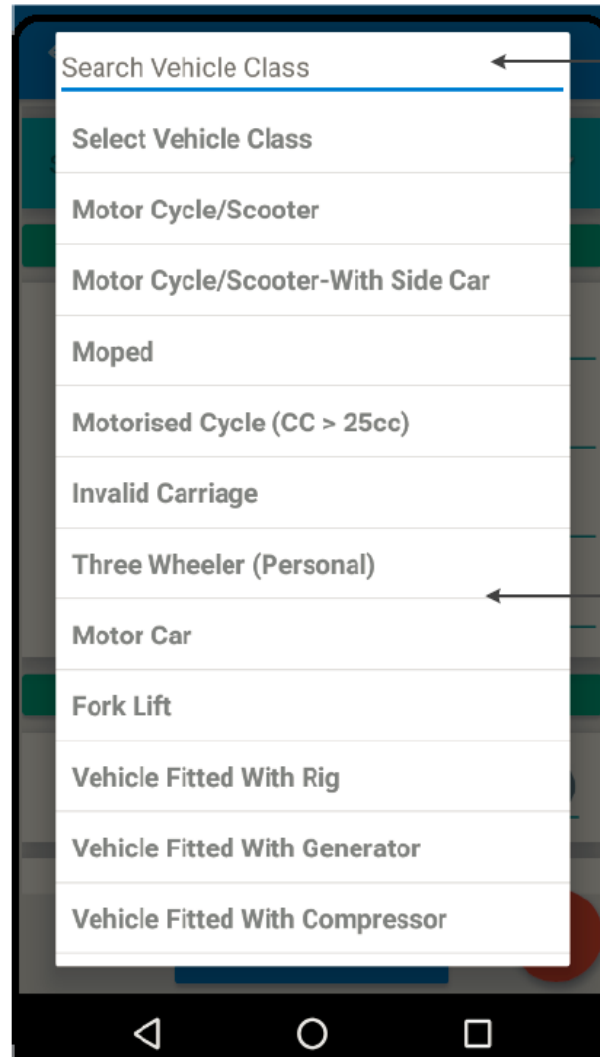


Click here to capture the RC image

Enter Vehicle RC/ Chassis No.

Upon clicking on 'New Challan', A new screen appears where the user click on  icon to capture the picture of the vehicle registration number and enter vehicle details on 'Vehicle RC/ Chassis No'.

Screen for selecting the class of vehicle



Click here to select vehicle class

Select vehicle class from the drop down list

Click on 'Vehicle Class' and select the vehicle class from the list of drop down.

Screen for entering the details of Owner or Driver

← New Challan

Owner Details

Name

Father Name

Address

Mobile No

Driver Details

DL Number/Badge

Name

Father Name

ADD ANOTHER FIELD

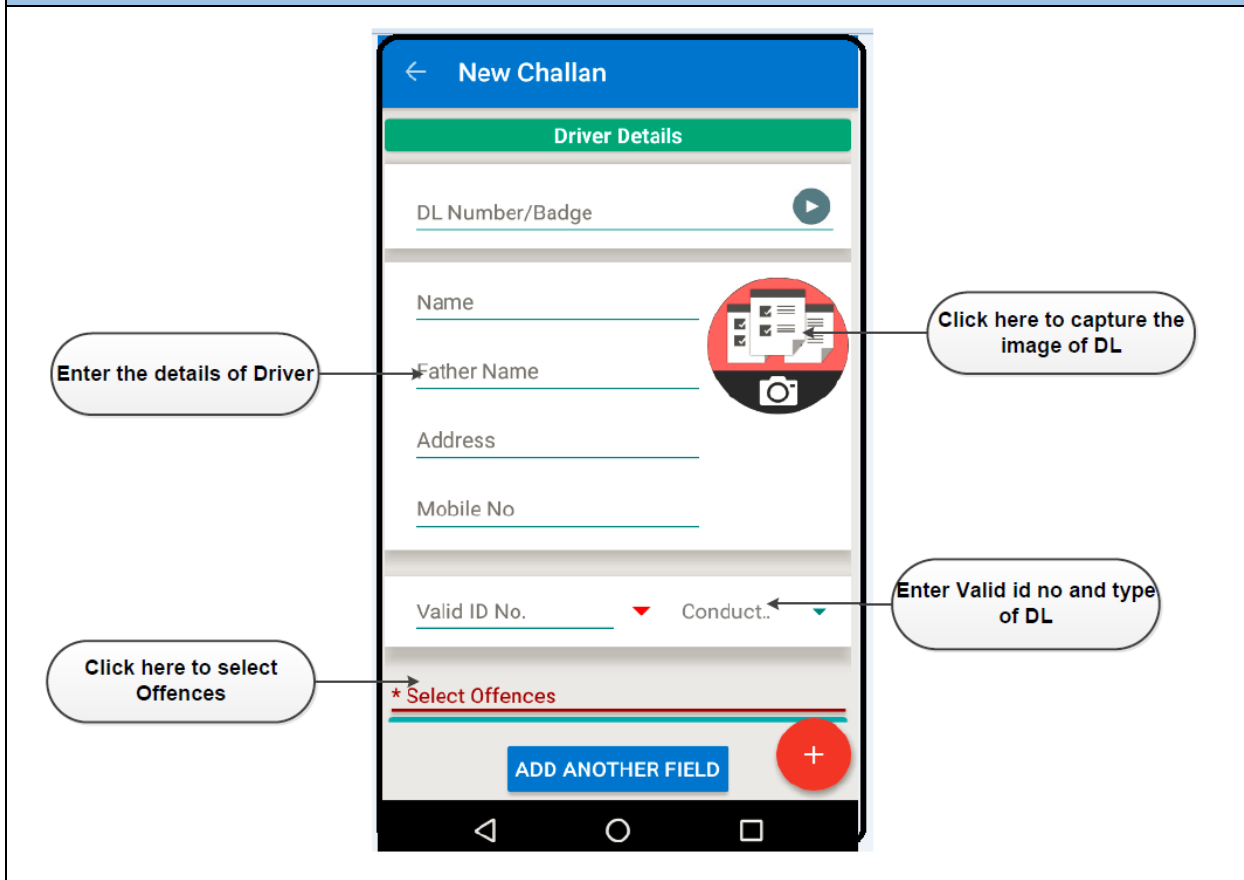
+


Click here to enter the details of Owner

Click here to enter the details of Driver

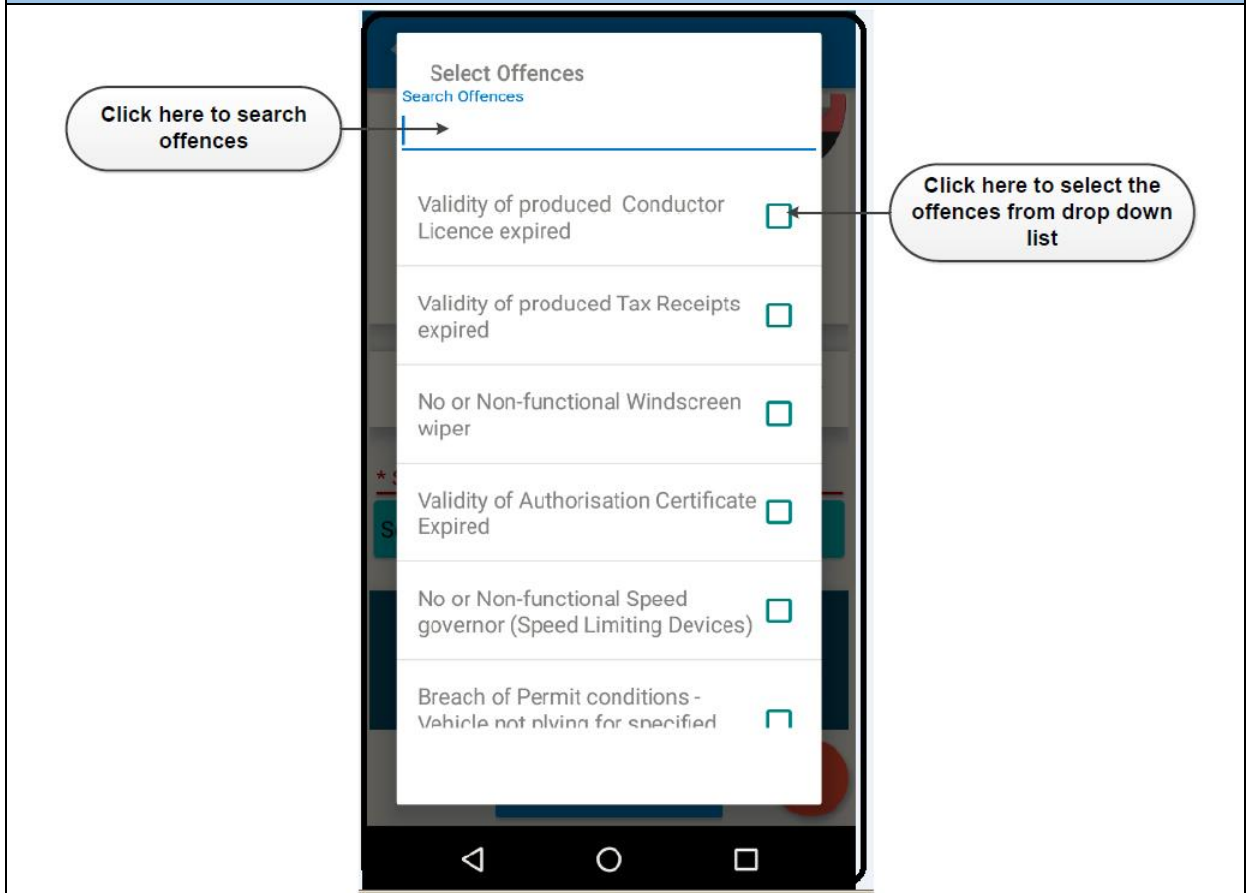
Click on 'Owner Details' and enter the details of owner or click on 'Driver Details' to enter the details of driver

Screen for entering the DL number and capturing the image of DL



Upon clicking on 'Driver Details' A new window appears where the user enter the details of driver and click on '  ' icon to capture the image of DL then Click on 'Select Offence' to select the offence.

Screen for searching and selecting the offences



Upon clicking on 'Select Offence', A new window appears where the user search and select the offence from the list of offence.

Screen for impounding the vehicle

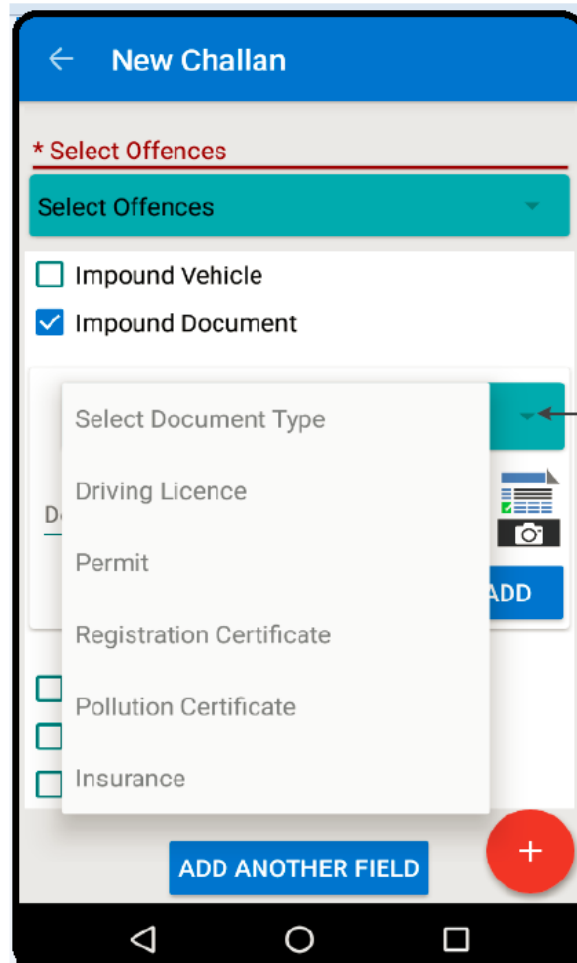
Click on 'Impound Vehicle' to impound the vehicle and enter the details of 'Place of impound' then click on 'image' to capture impound vehicle

Screen for impounding the document

The screenshot displays the 'New Challan' interface. At the top, there is a blue header with a back arrow and the title 'New Challan'. Below the header, a red asterisk indicates a required step: '* Select Offences'. A teal dropdown menu labeled 'Select Offences' is open, showing two options: 'Impound Vehicle' (unchecked) and 'Impound Document' (checked). Below this, another teal dropdown menu labeled 'Select Document Type' is visible. Underneath, there is a text input field containing 'Document No 1' and a blue 'ADD' button. At the bottom of the screen, there are three unchecked checkboxes: 'Vehicle Details', 'Add Witnesses', and 'Remarks'. A blue button labeled 'ADD ANOTHER FIELD' and a red circular button with a white '+' sign are also present. Two callout boxes with arrows point to the 'Impound Document' checkbox and the 'Select Document Type' dropdown menu.

Click on 'Impound Document' to impound the documents

Screen for selecting the type of document impound



Upon clicking on 'Impound Document', A new window appears where the user select the document type from the drop down list

Screen for capturing the picture of impounded documents

Click here to capture the image of document

Once the user select the document type , Click on '  ' to capture the picture of the impounded documents

Screen for viewing the details of vehicle

← New Challan

Vehicle Details

Vehicle Details

Chasis No

Fuel Type

Vehicle Type

Fitness Validity

Permit Validity

Insurence Validity

Tax Validity

Seating Capacity

ADD ANOTHER FIELD

+

Click here to check the details of vehicle

Click on 'Vehicle Details' to check the details of vehicle such as chassis no, fuel type, vehicle type, vehicle validity etc.

Screen for addition of witnesses

The screenshot shows the 'New Challan' screen. At the top, there is a blue header with a back arrow and the text 'New Challan'. Below the header, there is a white input field with an 'ADD' button to its right. Underneath, there are two checkboxes: 'Vehicle Details' (unchecked) and 'Add Witnesses' (checked). A green bar labeled 'Witness Details' is below the checkboxes. It contains a text input field with a right-pointing arrow and the placeholder text 'Witness Name 1', followed by an 'ADD' button. Below this is another checkbox labeled 'Remarks' (unchecked). At the bottom of the screen, there is a dark blue section titled 'Offence Details' containing a 'Total Fine : ₹ 0' label and a corresponding input field. At the very bottom, there is a blue button labeled 'ADD ANOTHER FIELD' and a red circular button with a white plus sign. Three callout boxes with arrows point to specific elements: 'Enter the name of witness' points to the 'Witness Name 1' input field; 'Click here to add the witnesses details' points to the 'Add Witnesses' checkbox; and 'Click here to Add the offence details' points to the 'ADD' button under the 'Witness Details' section.

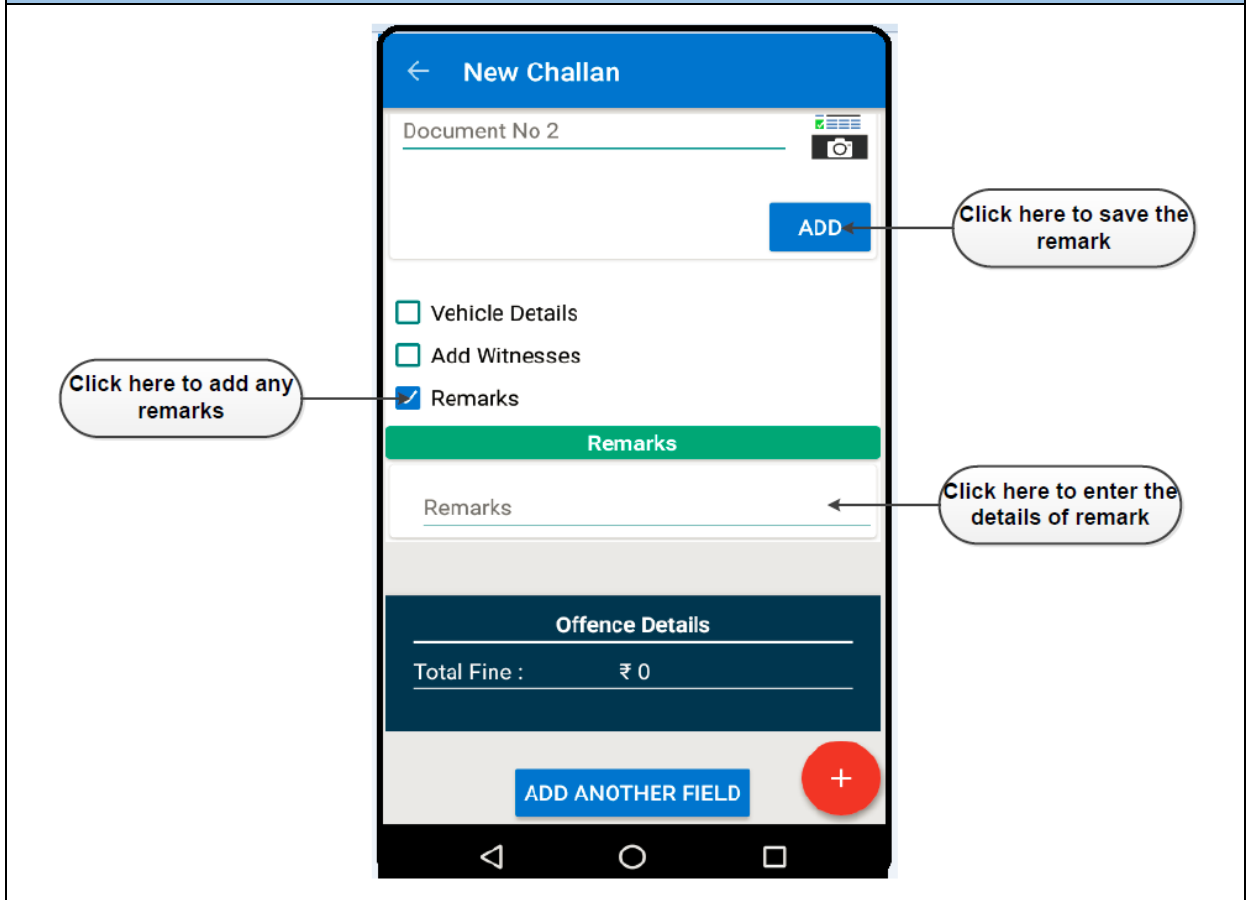
Enter the name of witness

Click here to add the witnesses details

Click here to Add the offence details

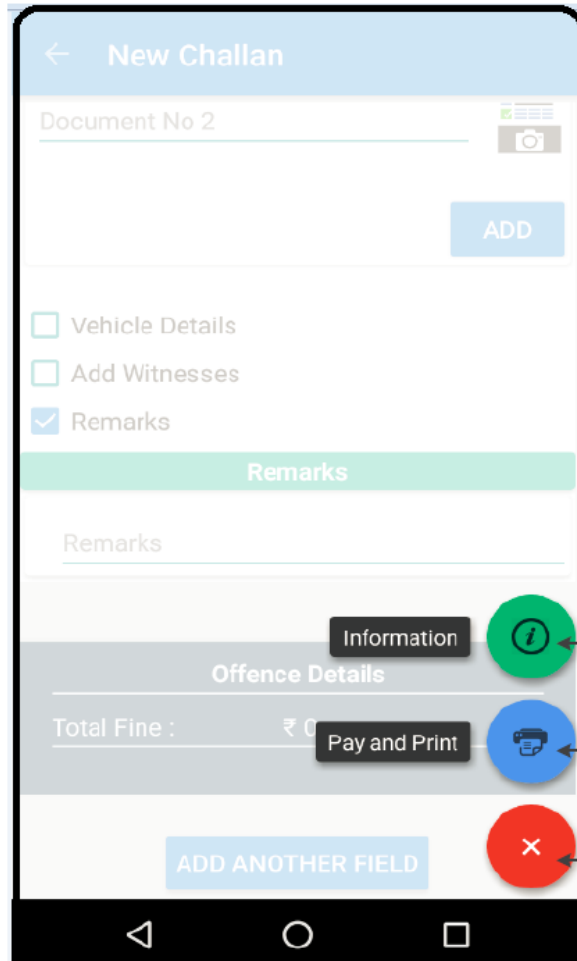
Click on 'Add Witnesses' to add witness details and enter the name of witness and click on 'Add' to add the entered witness details

Screen for addition of remarks



Click on 'Remarks' in case of any additional information required to be added on.

Screen for selection of information or Pay & Print options



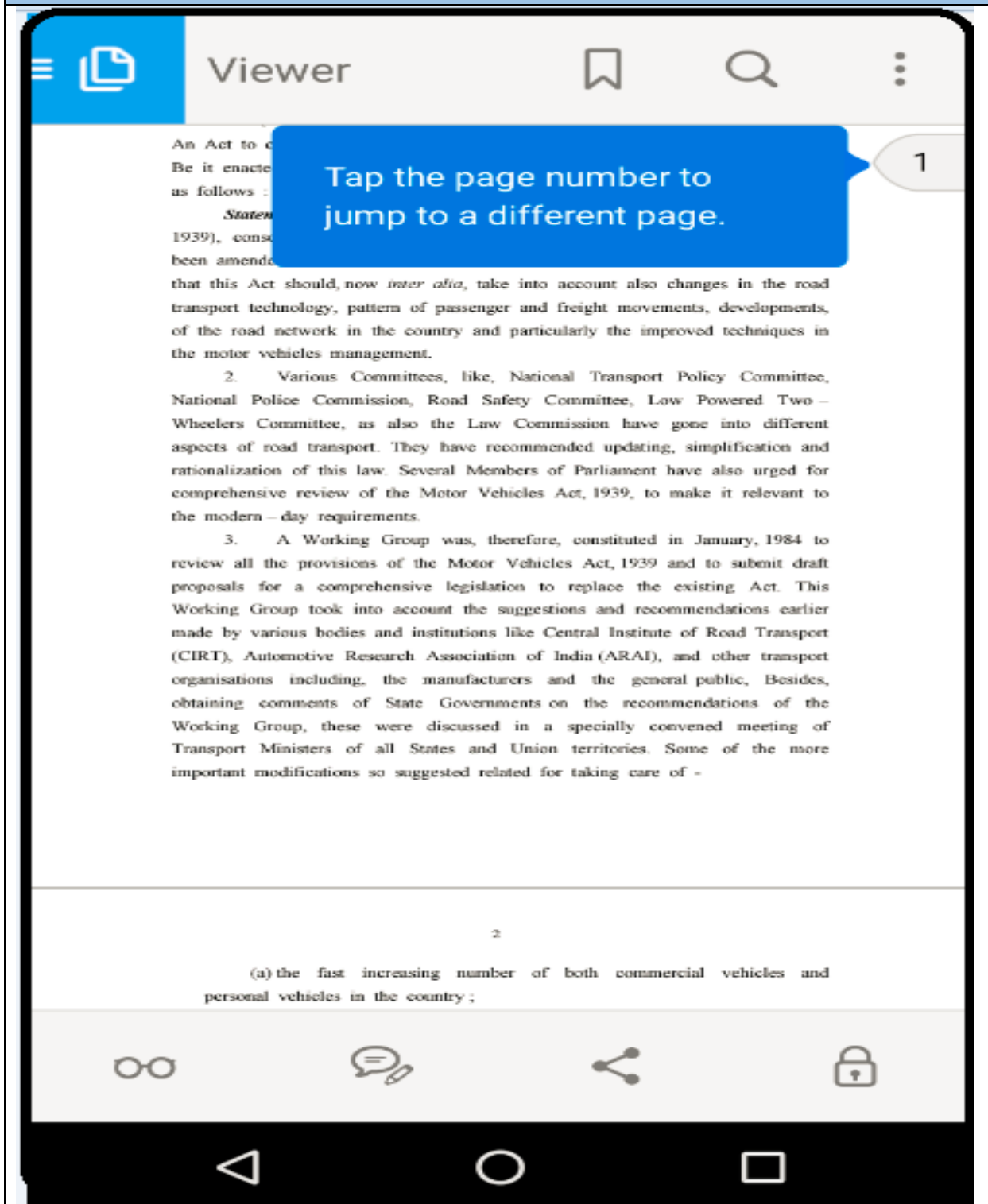
Click here to check any informations

Click here to go for payment and print

Click here to go back

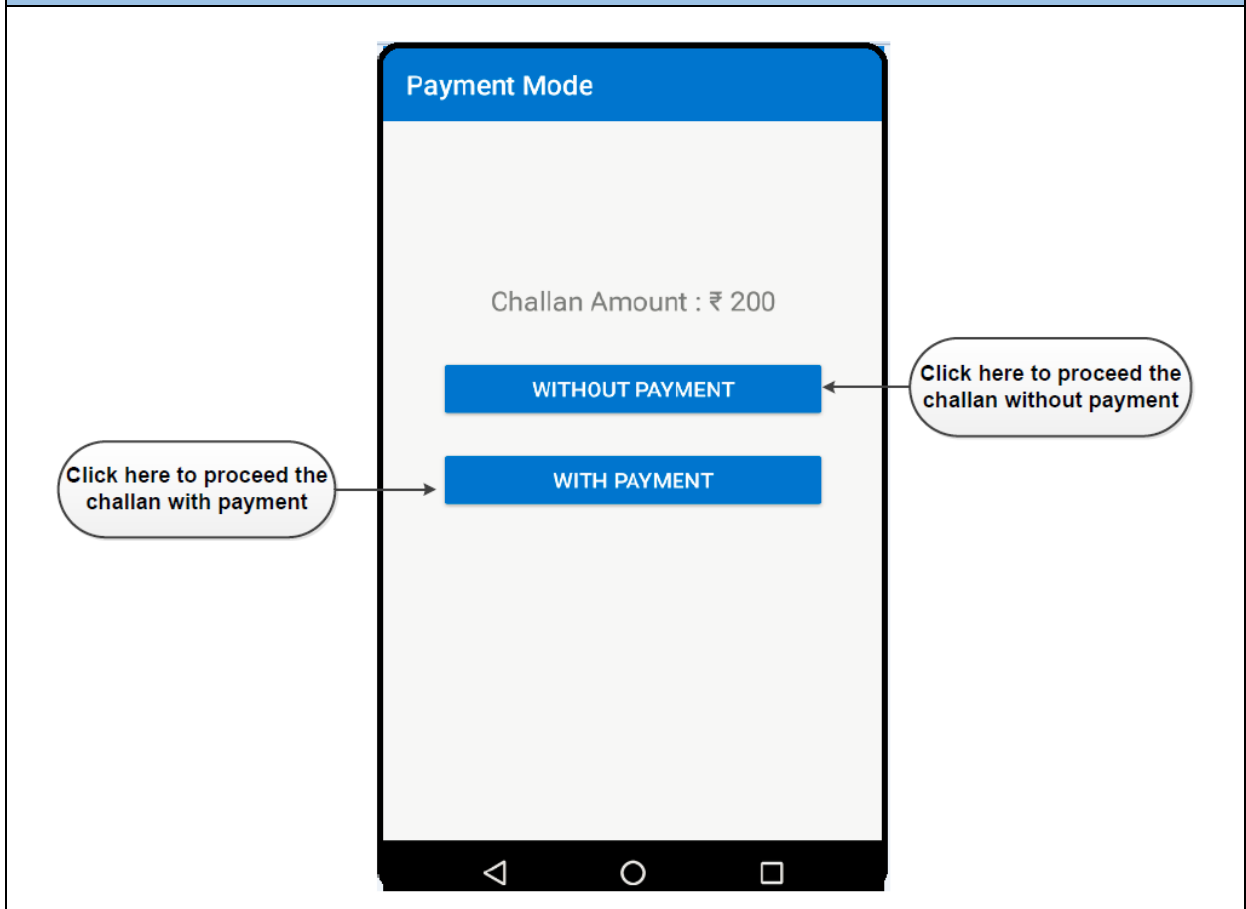
Click on 'Information' to check any information related to offence or click on 'Pay and Print' to proceed for payment of the challan.

Screen for viewing the offence details as per CMVR



Upon clicking on 'Information', A new window appears where the user can able to check the information related to offence.


Screen for selection of payment mode



Click on 'Without Payment' to generate the challan with pending payment or click on 'With Payment' to generate the challan with payment

Screen for printing the challan

←
Print Details



e-challan
A Digital Challan Solution

UP Transport Department, Noida

Challan No. :	UP160502024307
Challan Date :	02-05-2016
Vehicle No. :	DL23CC2345
Vehicle Class :	Moped
Owner Name :	SJDJ
Owner Address :	Dkk
Driver Name :	SJ
Driver Address :	Dm
Offence Committed :	No or Non-functional Windscreen wiper, Validity of Authorisation Certificate Expired
Under Act :	
Challan Amount in INR :	200 (Pending)

◀
○
◻

Once the user clicked to payment (without payment/ with payment), A new screen appears where the Challan generated with the payment status.

Screen for selecting the printing page

The screenshot shows a mobile application interface titled "Print Details". The screen contains the following information:

- Offence Committed :** wiper, Validity of Authorisation Certificate Expired
- Under Act :**
- Challan Amount in INR :** 200 (Pending)
- Document Impounded from the defaulter :** Nil
- Witness Name :**
- Remarks :**
- (Name and Signature of Owner/Driver)**
- (Name and Signature of the Officer)** with a QR code.

At the bottom of the screen, there are three blue buttons: "THERMAL PRINT", "A4 PRINT", and "SUBMIT". Three callout boxes with arrows point to these buttons:

- "Click here to print on thermal" points to the "THERMAL PRINT" button.
- "Click here to print on A4 page" points to the "A4 PRINT" button.
- "Click here to submit the print request" points to the "SUBMIT" button.

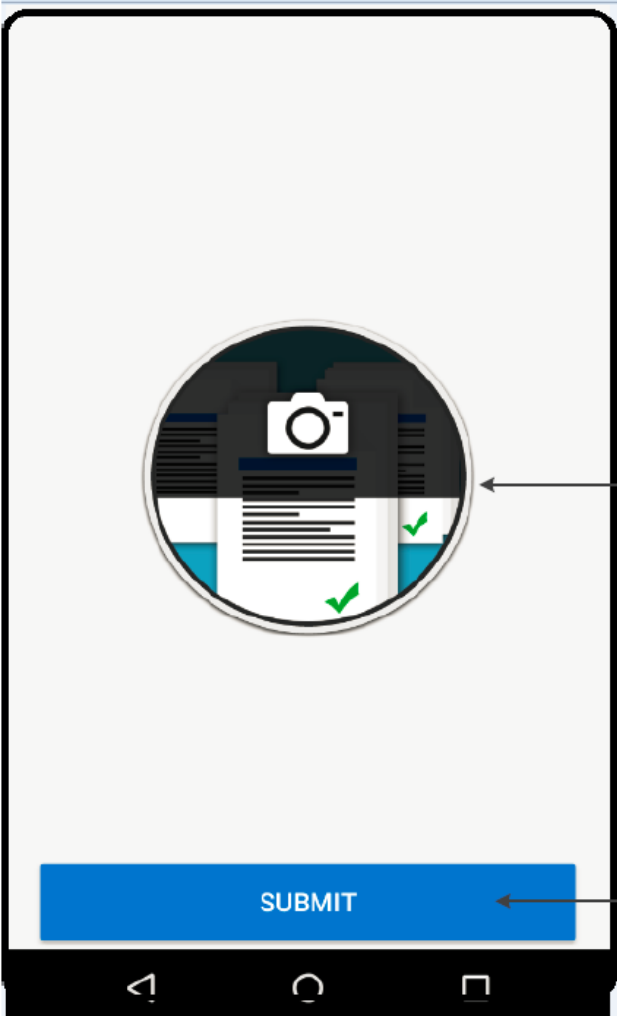
Below the screenshot, the text reads: "Click on 'Thermal Print' or 'A4 Print' to print the challan".

Generation of challan home page screen



Upon clicking on 'Print', A new screen appears where the challan is generated.

Screen for capturing the image of vehicle and submission of challan

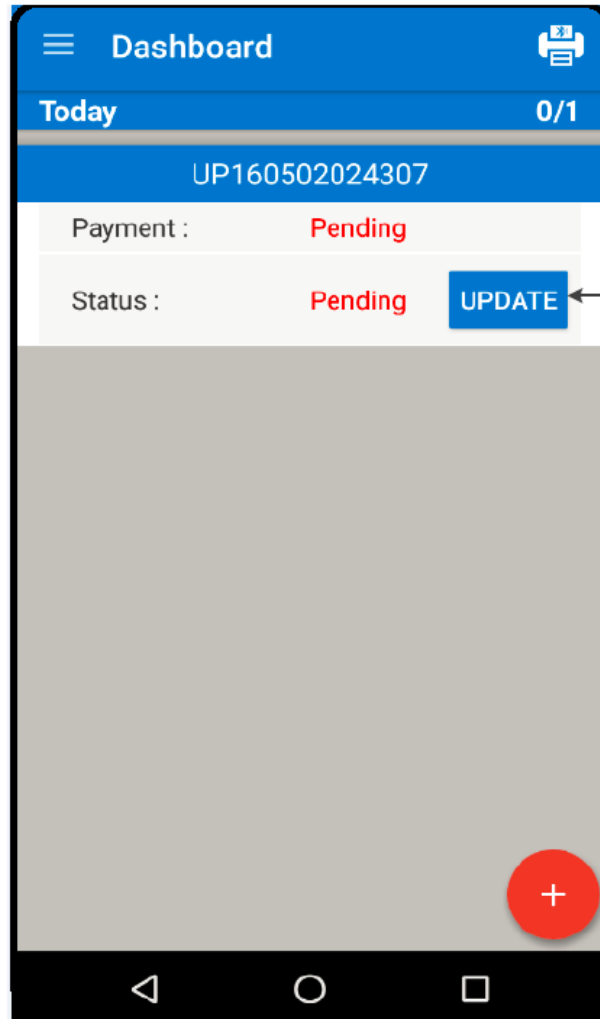


Click here to capture the image of vehicle

Click here to submit

Click on '📷' icon to take the picture of the vehicle and click on 'Submit' to submit the challan

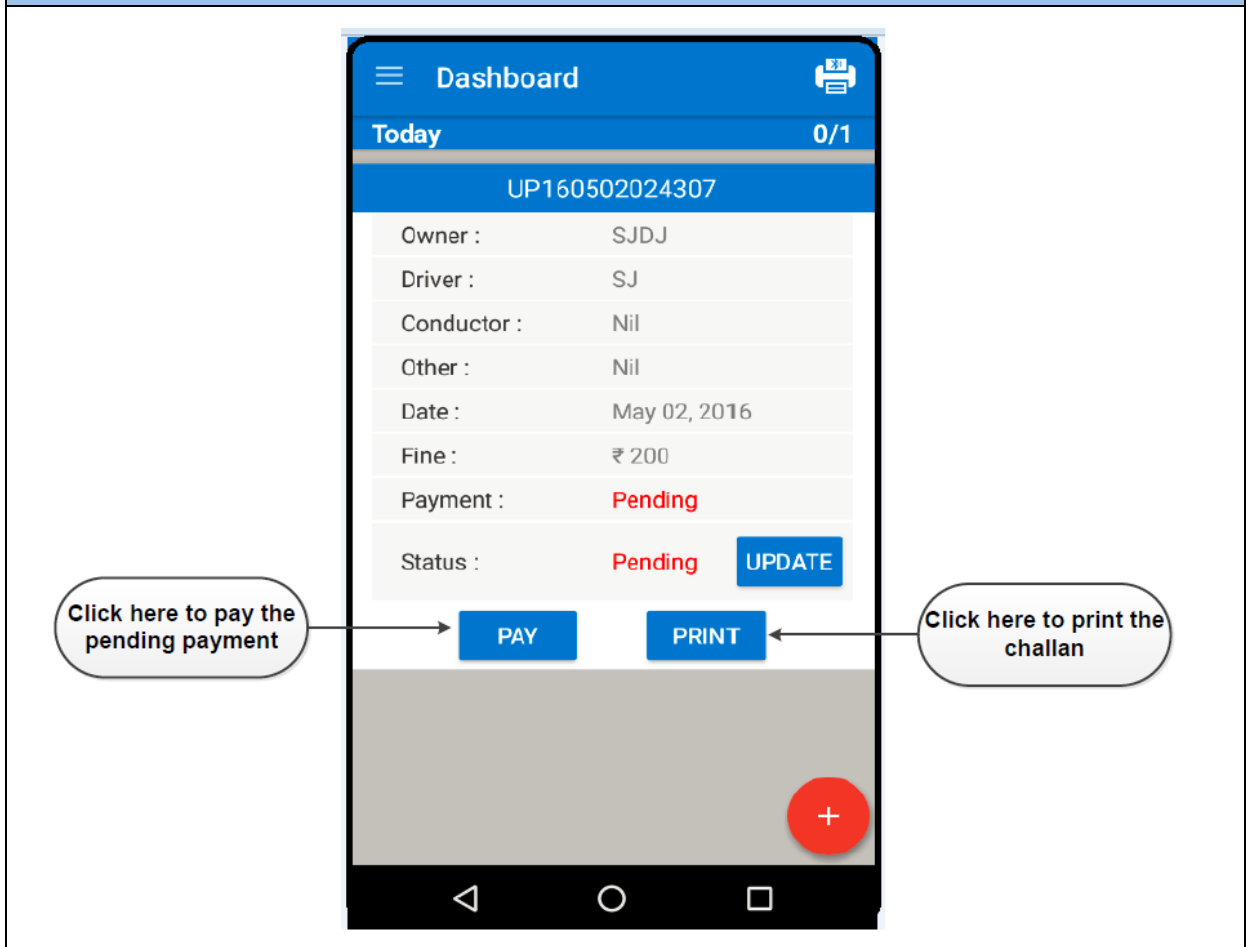
Screen for updating the challan status



Click here to update the status of payment

Upon clicking on 'Submit', A new screen appears where the user click on 'Update' to update the status of the challan

Screen for payment of pending challan amount



Once the user click on 'Update', A new screen appears where the user click on 'Pay' to get payment of the challan or click on 'Print' to get the print out of the challan