AWARENESS GAMING APP
TRAFFIC VIOLATION TO TRAFFIC ADHERENCE

USER MANUAL
VERSION: 01
Manual for playing the Traffic Guru game for traffic regulation awareness
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1.0 General Information

The general Information section explains in general the overview of the game and the purpose for which it is intended.

1.1 Game Overview

Traffic Guru is a traffic awareness simulator with realistic physics made available for Android, iOS and in Windows desktop environments. Unlike other racing games where ‘learning and safety’ has no importance, ‘Safe Driving’ is the master key with Traffic Guru.

- Realistic breathtaking roads with real life scenarios
- Dynamic bumper to bumper traffic, seasons, time of the day
- Drive safe, gain badges
- Popular vehicles, immersive experiences
- Learn to drive, park, lane discipline, overtaking, speed control & many more...

1.2 Purpose

The main intention behind this game is to make the drivers in the country aware about the important traffic rules and regulations. Thereby, try to reduce the number of road accidents in the country. In 2016 Kerala accounted for 39,420 road accidents, with a death toll of a whopping 4,287 cases.

1.3 Organization of the Manual

The user’s manual consists of four sections: General Information, System Summary, Getting Started, Game Play and Game Menu.

The General Information section explains the overview of the game and the purpose for which it is intended.

The System Summary section provides a general overview of the system. The summary outlines the system’s configuration, recommends the hardware and software environment and the user types for the game.

The section, Getting Started explains the online places where Traffic Guru is available, how to download and install it in the device.

The section, Playing ‘Traffic Guru’ outlines the step-by-step process of setting the game for the first time, understanding the rules, logic and the game features.

Home menu covers the game menus in detail that are included in the game.
2.0 System Summary

This section provides a general overview of the system. The summary outlines the system’s configuration, recommends the hardware and software environment and the user types for the game.

2.1 System Configuration

Traffic Guru can be played on mobile devices with android, iOS and also in windows desktop environment. Even though the game has visually stunning graphics, the application size is compressed and works efficiently even in low powered devices and with poor network connections.

The game can be played in offline mode; this makes it particularly suitable for remote locations with unstable network as well. Game data is stored in the device itself and the same will be automatically synced with the database, when connected online.

2.2 Software Compatibility

<table>
<thead>
<tr>
<th>#</th>
<th>Environment</th>
<th>Operating System</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mobile</td>
<td>Android</td>
<td>4.2</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>iOS</td>
<td>9+</td>
</tr>
<tr>
<td>3</td>
<td>Desktop</td>
<td>Windows</td>
<td>8.1+</td>
</tr>
</tbody>
</table>

2.3 Hardware Configurations

<table>
<thead>
<tr>
<th>#</th>
<th>Particulars</th>
<th>Mobile Phone</th>
<th>Desktop</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Processor</td>
<td>1.2 GHz or above</td>
<td>1.5 GHz or above</td>
</tr>
<tr>
<td>2</td>
<td>RAM</td>
<td>1 GB or above</td>
<td>1 GB or above</td>
</tr>
<tr>
<td>3</td>
<td>Graphics</td>
<td>No dedicated graphics required</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Minimum Space</td>
<td>91.30 MB</td>
<td>250 MB</td>
</tr>
</tbody>
</table>

2.4 Game users

This game doesn’t have any user or age category and hence it can be downloaded and played by anyone.
3.0 Getting Started

This section explains the online places where Traffic Guru is available, how to download and install it in the device.

3.1 Installation and Logging In

The game is currently available in popular platforms such as Google play store and app store, which can be downloaded and installed on your device. As it is an educational game, no user credential or personal information such as email, contact number is required to sign up.

<table>
<thead>
<tr>
<th>#</th>
<th>Particulars</th>
<th>Mobile phone</th>
<th>Desktop</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>File size</td>
<td>91.30 MB</td>
<td>250 MB</td>
</tr>
</tbody>
</table>

4.0 Playing ‘Traffic Guru’

4.1 Step-by-step process guide

- **Game**
  - Start the 'Game' by clicking on the Traffic Guru icon on your device.
  - Read the general info and click Continue.

- **Profile**
  - Once the user reaches the Home menu, before starting the game, the user has to set up their profile.
  - User progress, including their achievements, licence gained etc. appears in this section.

- **Garage**
  - Both unlocked and locked vehicles included in the game appears in this section.
  - User can customize and select, vehicles from the unlocked list.

- **Tutorials**
  - Before starting the game play, it is crucial to go through all the video tutorials.
  - This list includes important traffic norms and ‘how to play’ guide.

- **Settings**
  - With Options, user can control all the multimedia options.
  - Multimedia includes sound, music and vibration.

- **Drive**
  - Once the user has set up everything so far, they can start with Free Roam mode to familiarize themselves with the game controls.
  - The user can go for Career mode, once they feel comfortable with the game controls.
## 4.2 Rules-

### Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Traffic Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learn to play through interesting tutorials.</td>
<td>□ Crashing other vehicles.</td>
</tr>
<tr>
<td>High-end realistic graphics.</td>
<td>□ Over speed and fail to reduce the speed within 5 seconds.</td>
</tr>
<tr>
<td>Choose and customize your favorite vehicle from the popular vehicle list.</td>
<td>□ Driving in the wrong direction.</td>
</tr>
<tr>
<td>Enjoy dynamically changing climates and time of the day.</td>
<td>□ Jumping traffic signal.</td>
</tr>
<tr>
<td>Dynamic traffic to replicate a challenging and realistic road condition.</td>
<td>□ Violating - No Parking &amp; No Honking Zone.</td>
</tr>
<tr>
<td>Cool sound effects and attractive music tracks.</td>
<td>□ Violating any of the built-in real life scenarios.</td>
</tr>
<tr>
<td>Five real life scenarios, to replicate the driving conditions.</td>
<td>□ Fail to use the indicator lights.</td>
</tr>
<tr>
<td></td>
<td>□ Using a mobile phone while driving.</td>
</tr>
</tbody>
</table>
5.0 Home Menu

Traffic Guru Home menu has 6 tabs detailed in Figure 1. The idea is to make the interface clean, simple and visually interesting as much as possible, as the user set for the game includes kids, adults and elders. In a glimpse, first we have ‘Drive’ to start playing the game. Second we have ‘Profile’ to manage user profile, including their achievements/badges and licence gained so far.

Figure 1

Third is the ‘Garage’ to customize and select the vehicle of user choice. Next we have ‘Tutorials’ to learn the important traffic norms and “How to play the Traffic Guru”. With ‘Options’ user can manage the multimedia controls such as sound, music, vibration etc. Last but not the least, ‘Credits’ are added to showcase the team involved in the project, for putting their heart and soul to create this game.

5.1 Drive

The Drive is where we have incorporated the game play for the users. A user needs to click on the Drive option from the home menu to start playing. Before starting the game, it is advisable to go through all the tutorials built-in the game that can be found under the section ‘Tutorials’. The pause icon on the top right corner opens a new popup menu, with options to go back to the home menu or resume the game play (figure 3).

Free Roam: This is where the user can learn and practice the game controls. Free Roam is free from all the game rules and regulations. It provides a playground for the players to practice and truly explore the game concept and the stunning graphics to the fullest.
Career: Once the user gets comfortable with the game controls, they can start building their driving career with the Career mode. The main intention is to build a career, by driving safely over long distances. The user can achieve ‘Guru Badges’, as per their achievements in the game. These badges define the skill and experience level of a user. They can share the badges over social media and showcase their rank level.

Remember, it is not easy for a new user to play the Career mode. A career mode in the game replicates the actual road conditions in the country, with important traffic norms built in. A player has to drive safely over the long run, obeying all the traffic norms to not get busted.
5.2 Profile

The user can set up their profile information, such as name etc. Profile also describes the progress made by the user so far, in the form of achievements. These achievements are showcased in the form of badges and driving licences gained.

5.2.1 Driving licence criteria

With practice comes experience and with experience comes wisdom. Keep on driving safe beat licence criteria, to gain the ultimate heavy driver’s licence.
5.2.2 Badges

Traffic Guru has many legendary guru badges to define the skill level of a player. A player can earn them only if they fulfill the respective criteria. Some of the badges included in the game are listed below. These badges can also be shared through social media channels to convey the skill level to the world.

<table>
<thead>
<tr>
<th>Badge</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kuttappi</td>
<td>Watch 3 tutorials</td>
</tr>
<tr>
<td>Padippist</td>
<td>Watch all tutorials</td>
</tr>
<tr>
<td>Vandi Premi</td>
<td>Unlock 3 cars</td>
</tr>
<tr>
<td>Puli Murukan</td>
<td>Unlock Truck</td>
</tr>
<tr>
<td>Bens Raja</td>
<td>Unlock Bens</td>
</tr>
<tr>
<td>Vandi Mothalali</td>
<td>Unlock all cars</td>
</tr>
<tr>
<td>Verum Driver</td>
<td>Obtain lvl2 license</td>
</tr>
<tr>
<td>Bhayankaran Driver</td>
<td>Obtain lvl3 license</td>
</tr>
<tr>
<td>Nadodi</td>
<td>Travel 500 km</td>
</tr>
<tr>
<td>Denkan</td>
<td>Travel 1000 km</td>
</tr>
<tr>
<td>Balan Chetan</td>
<td>Break 100 violations</td>
</tr>
<tr>
<td>Chadiyan Chandu</td>
<td>Create 50 accidents (Pedestrians)</td>
</tr>
</tbody>
</table>

Figure 6
5.3 Garage

Garage includes popular vehicle segments such as hatchback, hybrid, sedan, SUV, jeep and lorry types. To make things interesting, the player has 3 vehicle segments unlocked in the beginning i.e. hatchback, hybrid and sedan. The rest of the segments are eventually unlocked, as per the player progress.

Figure 7 and figure 8 shows unlocked and locked vehicles respectively, in the beginning of the game. Anytime a player can customize and select one of the unlocked vehicles from the garage.
5.4 Video Tutorials

HD video tutorials are available for the users to learn about the important traffic the country. In the current version, we have covered five major topics. We will be adding lots more videos in the near future, as a part of creating traffic awareness.

To avoid a rule violation in the next game, Traffic Guru identifies the exact traffic during a game play and showcases the respective tutorial video at the end (figure 10)
5.5 Options

With ‘Options’ tab, the user can manage the multimedia controls such as sound, music, vibration and can even reset all of them by clicking the Reset option.

Sound – With sound the user can control the vehicle sounds such as acceleration, brakes, horn etc.
Music – It is the built-in music track that plays in the background during the game.
Vibration – For this the game uses the device’s built in vibrator, to feel the impact of an accident etc.

![Options Tab](image)

Figure 11

5.6 Credits

A game or any other project is the outcome of days of hard work by all the members of the team. The Traffic Guru team is no exception and in fact we have gone beyond our physical and physiological limits, to bring this idea to the world. It is our common mindset of social commitment that gave us the strength to complete the game. The names of the team members are included in this section, to facilitate their hard work and sincerity towards the Traffic Guru.

5.7 Social Sharing

A social sharing option is given in the bottom right corner of the Home menu. With this the user has the option to share their achievements to the world.
5.8 Exit Game

Traffic Guru can be closed by selecting ‘Cross’ icon on the top right corner of the screen, during any time apart from the actual game play.

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5.9 Game RoadMap

The road map of the game is being designed by keeping in mind the layout of the state capital i.e. the Trivandrum city. Our artistic team has researched to get to know the structural designs of some of the important places in the city. Each of these structures has been drawn by our artistic team, which is then incorporated into the game. This is to replicate the city as much as possible and also to showcase the beauty of the capital city. Some of the places incorporated in the game include Padmanabhaswamy temple, Infosys campus, Palayam Juma Masjid, Lulu mall, Thambanoor bus station, University College, Green Field stadium etc. The depth of the city details would definitely give the gamers a nostalgic feel.
5.9 Game RoadMap

Figure 13