

GTAcampuS v1.0



USER MANUAL

Godly T.Alias

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About GTAcampuS

GTAcampuS is an Android application developed for Aakash tablet specially meant for the daily use of students. The minimum api level needed for this application is 8. Even though this application works in small screen devices the user interface will be little bit difficult to operate. This application mainly include features for alerts, group messaging, some course related features, notes, convertor and calculator. This application is developed for making the daily life of a student more easy. This application helps you mainly to alert at the time of courses. The application itself will change your device to silent mode when you're in classes so that your device won't make disturbances during class hours and application will put back the device to normal state after the class hours, it will also keep out the statistics of bunks made by you for each course. You can also set custom alerts and save notes/memos. This application also provides you with a convertor and calculator which is so much useful for a student. This application can also be used for passing informations to all students which is especially useful for class representatives. The message function of the application will pass the message sent from one device to all other devices with the application installed and are connected to an internet connection.

LICENSE

This application is distributed under [GNU GPLv3](#) and you can get the source code of this application in [Github](#). You are welcome to contribute to this application.

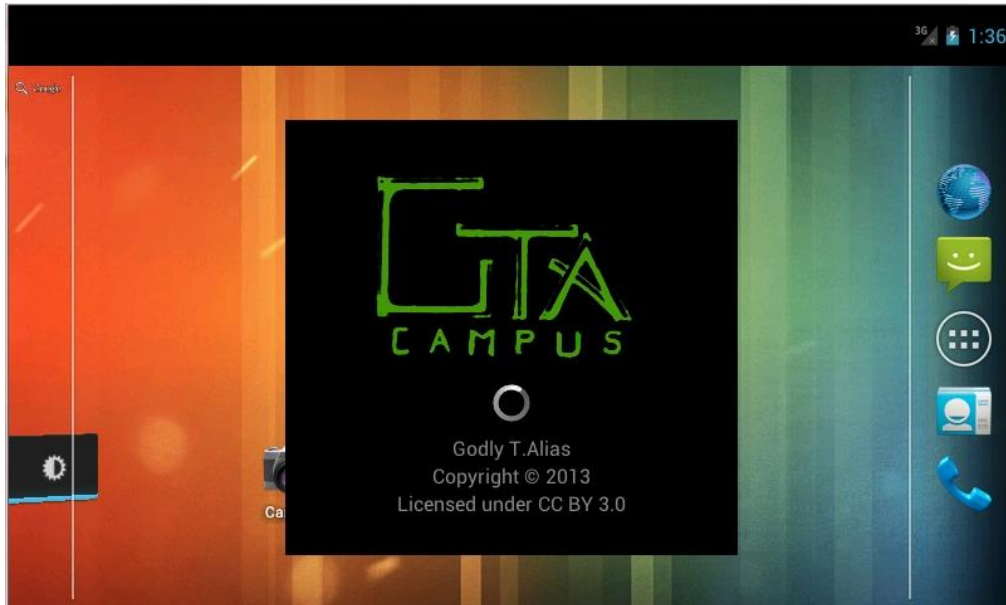
This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, version 3 of the License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

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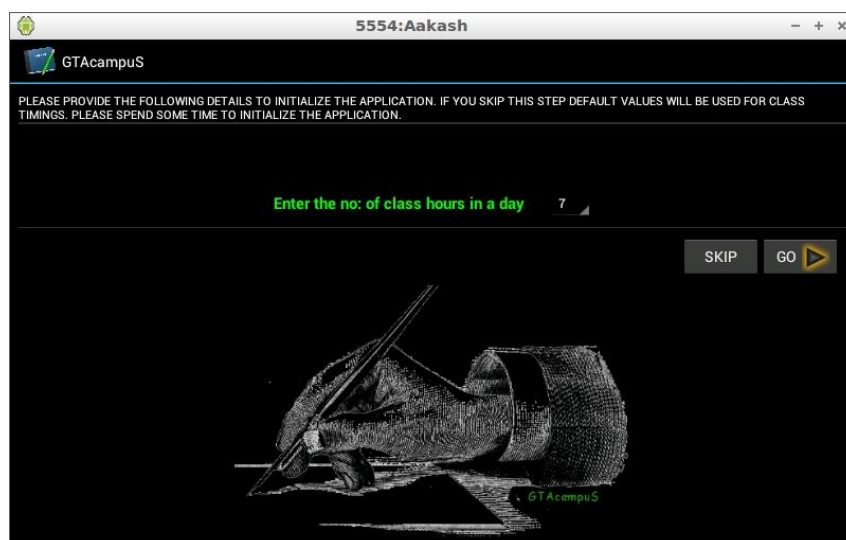
OVERVIEW

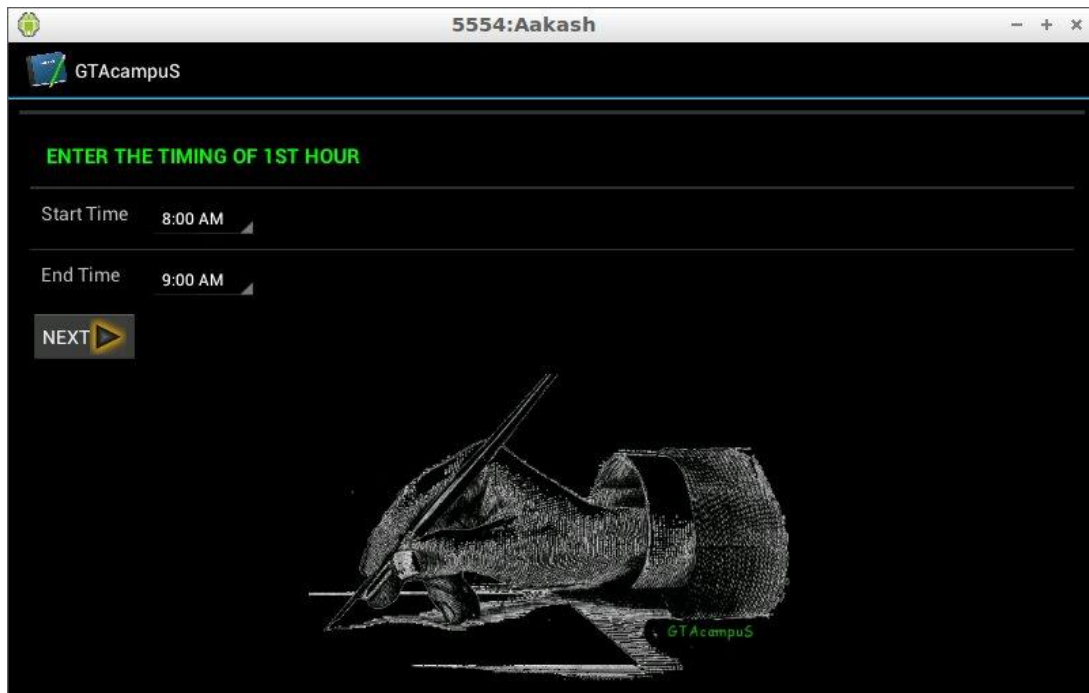
Locate and click on the GTAcampuS icon in the application list and a splash screen as shown below will pop out.



- **INITIALIZING THE APPLICATION**

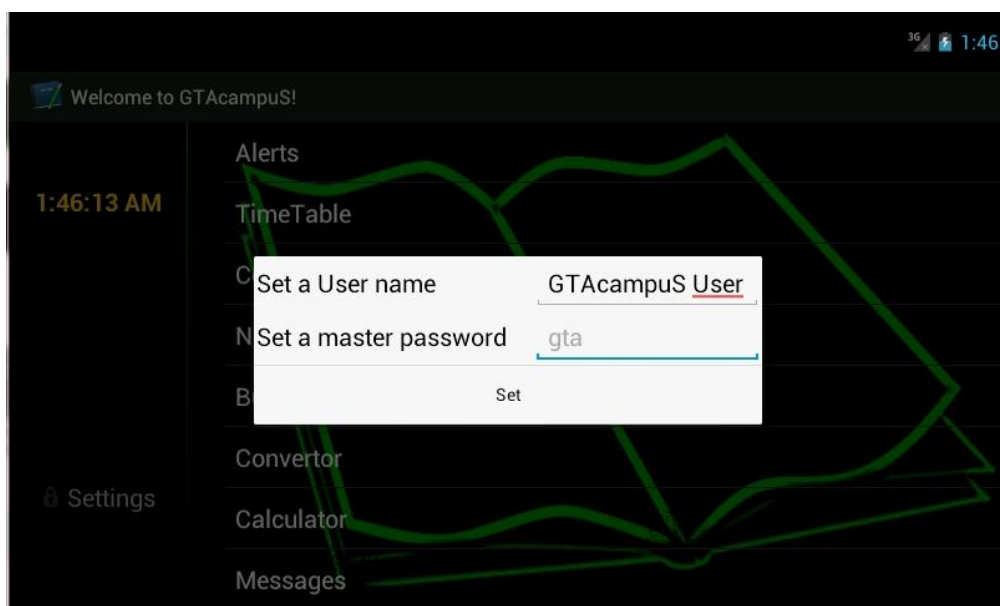
After installing the application if you are opening the application for the first time or if your database got cleared by any external activities then you will be redirected to a screen as shown below which requests you to enter the class timings. Once it is entered you won't be able to change it. The whole application runs on this initial data provided. You can skip the initialization and the default values will be set for the application.





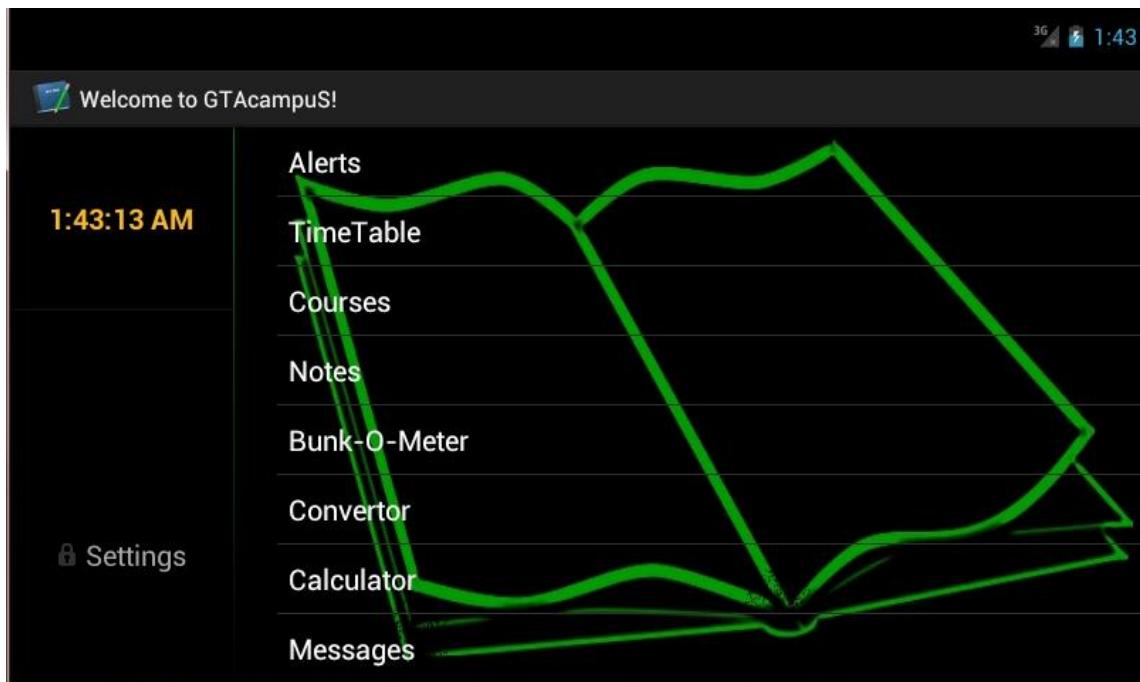
- **SET MASTER PASSWORD**

After entering the timings of each hour you will get a dialog box to set the master password. Here you have to set the password which you should type later to access administrator features such as editing, deleting, backup, restore etc. There is no way to retrieve password if you forget it. You need to clear the data of your application in the device settings and should re-open the application to reset the password in case you forget the password.

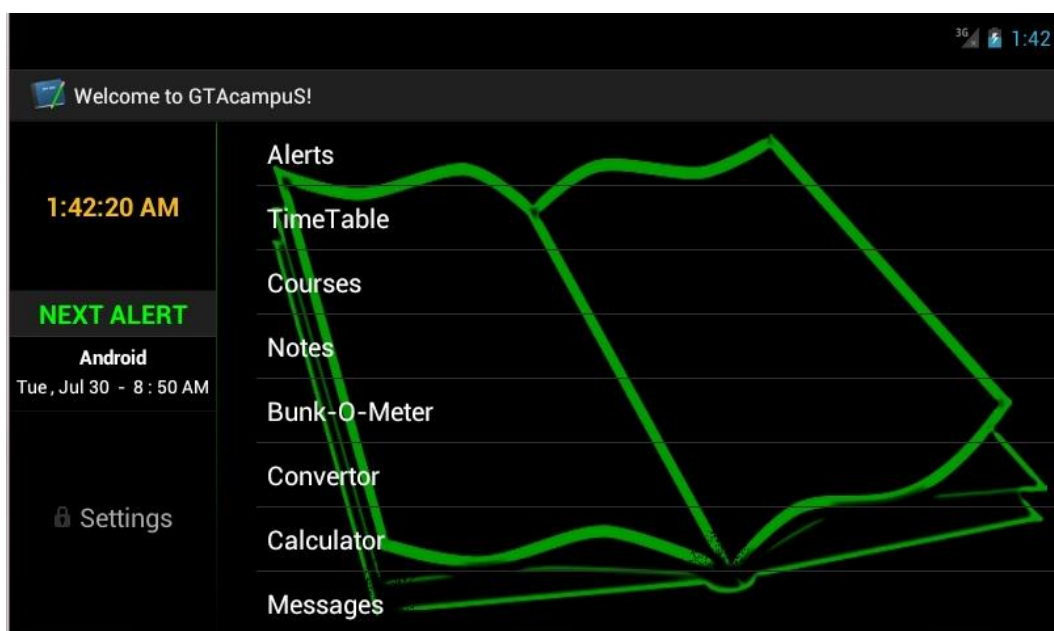


- **HOME SCREEN**

After initializing you will come to the home screen of application which consists of a list of tools available and a digital clock showing the time. If any alerts are active then the home screen will show the next alert details too. You can also go to application settings either from the Settings button in the left bottom or from the application menu.

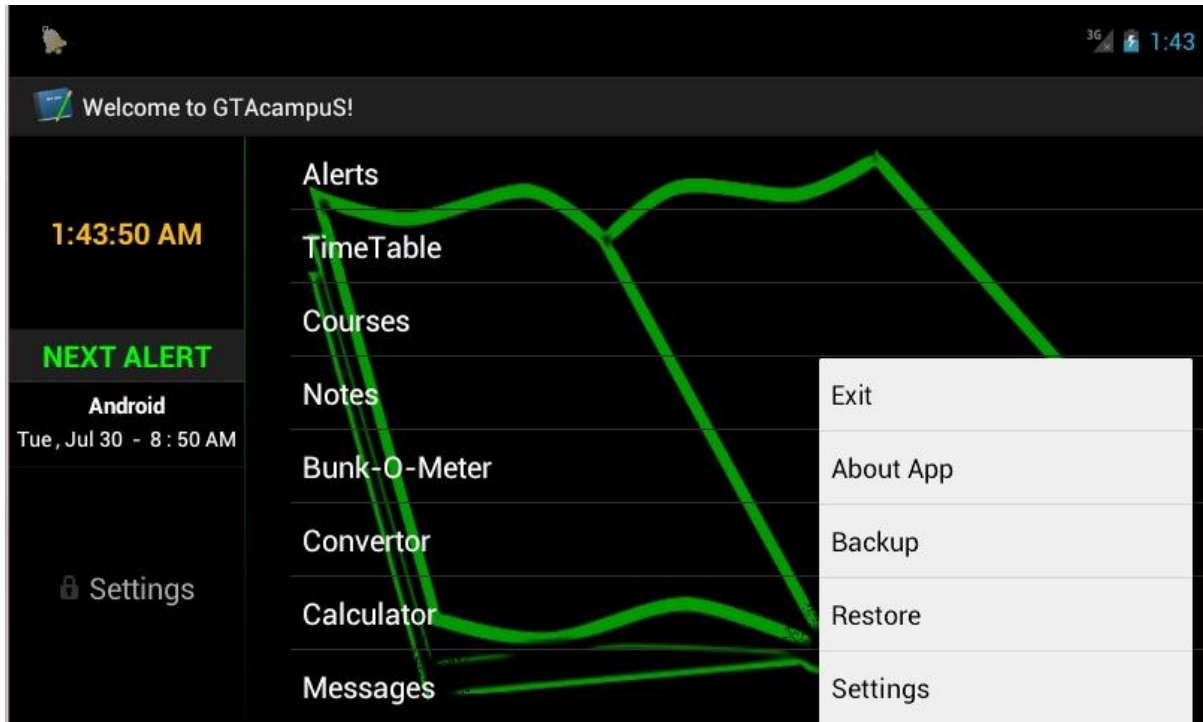


When an alert is set you can see a 'Next Alert' tab in the home screen. A notification will also be given in the notification bar about the next alert.

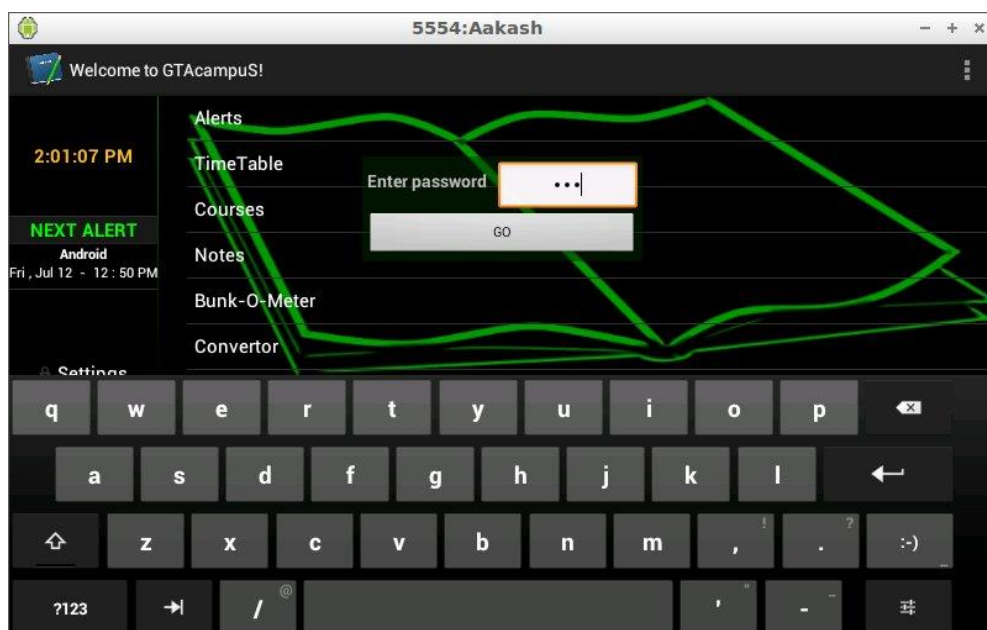


- **MENU ITEMS**

On clicking on top right of the home screen you will get the application menu which consist of options to exit the application, getting the details of the application, to backup and restore database and to change the settings.



Backup, Restore, application settings are all administrative features which can be accessed only by entering the master password. On trying to access those features you will get a dialog box as shown to enter the password. You will be redirected to the corresponding screens if the entered password is correct.



1. BACKUP

This option helps you to backup your database so that you can retrieve your details such as course details, alerts and notes in case you lose your data because of any database failures or clearing of application data by system. The backup image will be made in the SD card as a folder named 'GTAcampuS'. The files in the folder should not be edited or deleted by the user else it will make problems during restoring.

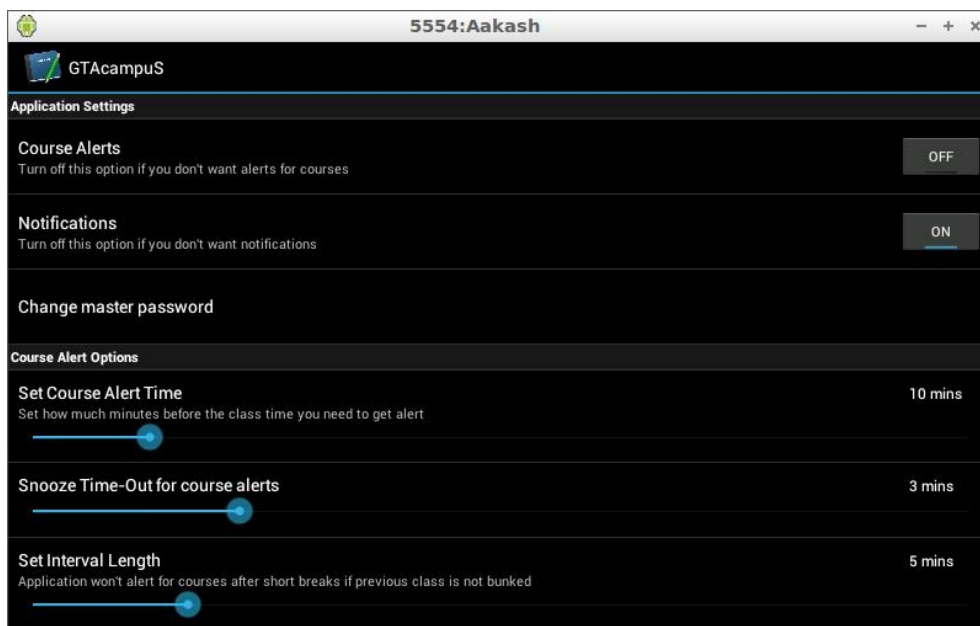
2. RESTORE

This option restores the database of application to an early state. On restoring you will lose your current data except notes. Even if you had initialized the application with some other class timings for courses, on restoring the timings will become as in the backup image. Restoring will be unsuccessful if the backup file is corrupted / missing.

3. SETTINGS

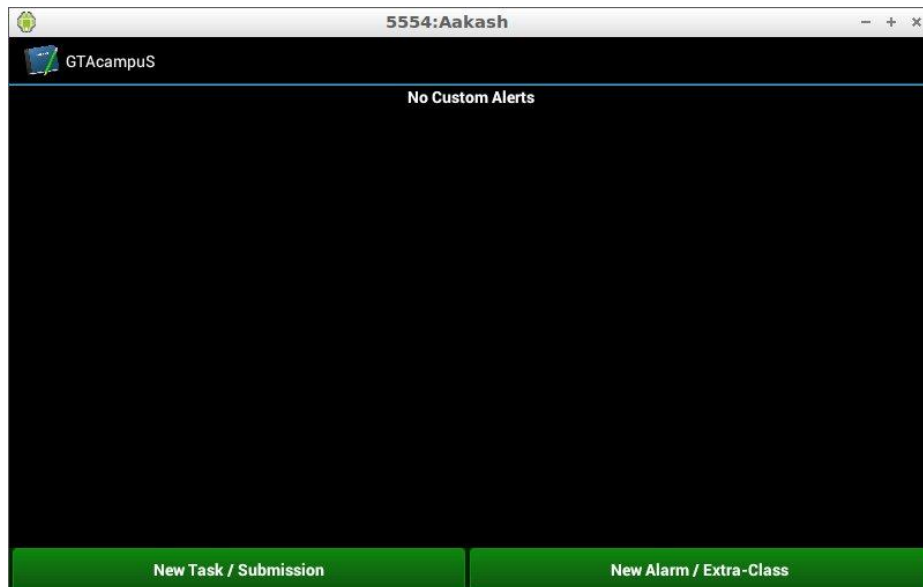
The application settings provide options for turning on/off course alerts and notifications. If you turn course alerts off then application won't make alerts for any courses. If you disable notifications then application won't make any notifications in the notification bar. Settings also provide you option for changing the password.

Here you can also make changes in the course alerts like, the '*set course alert time*' will allow you to set the minutes before the course time the application starts to make alert about the course. In snooze time-out you can set the snooze time-out for courses. Snooze option will become disabled after the actual start time of the course. In the '*set interval length*' option you can set the duration of your intervals so that application need not to alert during intervals and all about the next class, But if you had bunked the class before the break then application will alert about the class as usual.



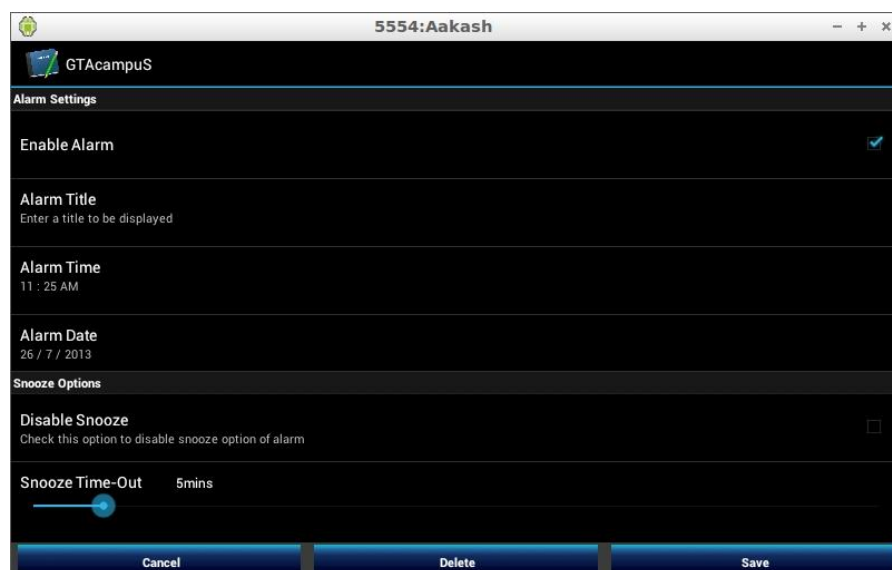
- **ALERTS**

On clicking the first option in the home screen you will go to a screen which displays all the created Alarms / Tasks. In the bottom of the screen there are two buttons, the one on the left is for setting a new task or an alert for a submission and the right button is for setting alarms or extra-classes. In the alarm option you will get the repeat option whereas the task option will alert only once and will get disabled by itself.



1. TASK / SUBMISSION

On selecting the New Task/ Submission button you will get a dialog box requesting the time and date of the alert and after confirmation you will be re-directed to the alarm menu where you can set a title for the task alert and also can alter settings like snooze time-out/ disable snooze, shake mode, math mode etc. After finishing settings, click on the save button to save the alert. The application will make notification about the next alert.

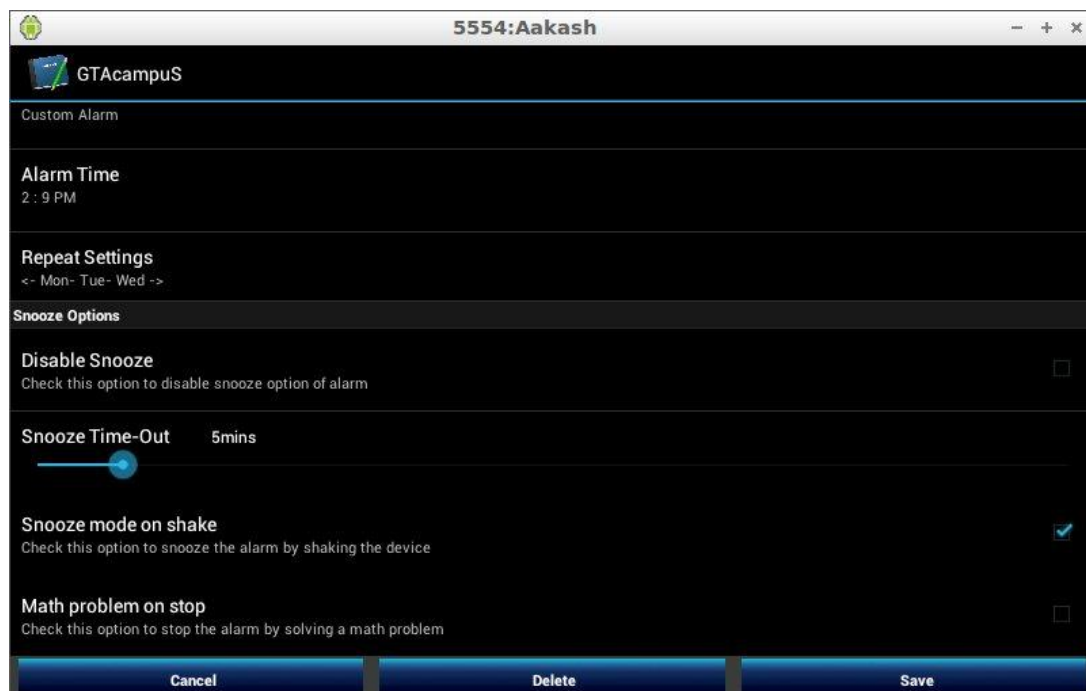


2. SHAKE MODE

If this mode is enabled for your alerts you will be able to snooze your alert by shaking the device. In case of course alerts snooze option will be available only up to the starting time of the course and after that you won't be able to snooze the alert by shaking the device.

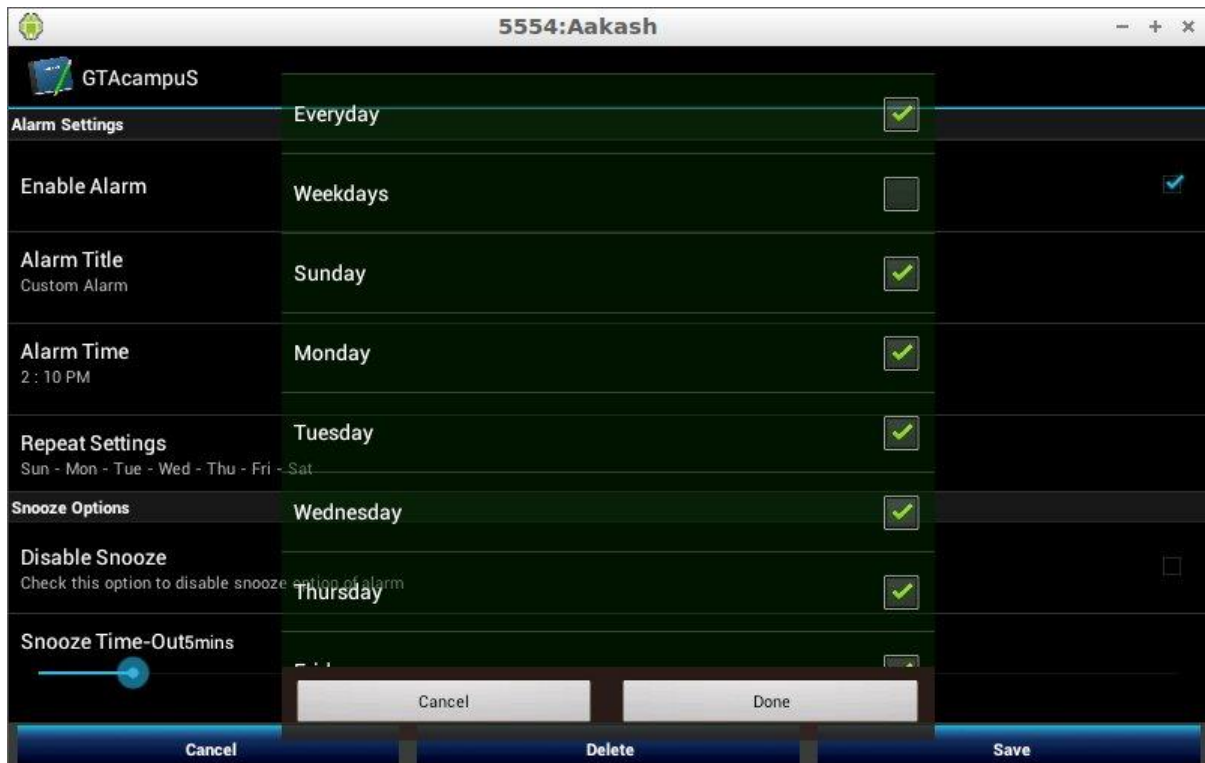
3. MATH MODE

If this mode is enabled for the alert for stopping the alert you need to correctly solve the mathematical problem given by the application. The problem will be multiplication with single digit numbers only.



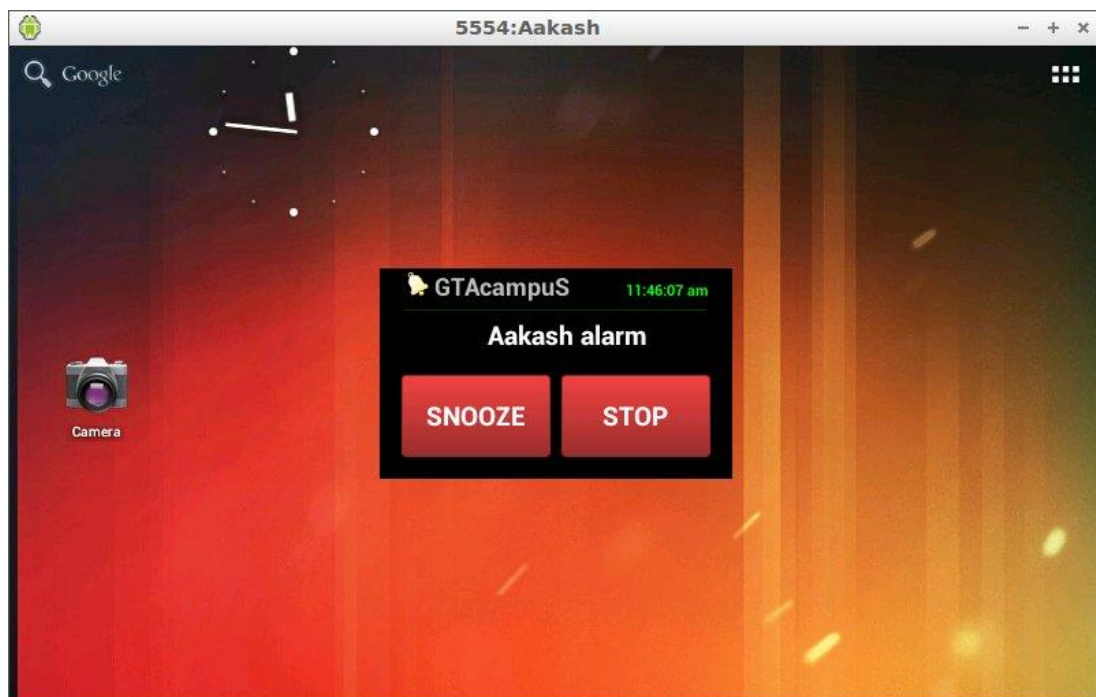
4. ALARM / EXTRA-CLASS

If you are selecting the 'New Alarm / Extra – Class' button of the alert screen then you will get a slightly different menu screen as shown below which includes a repeat option instead of the date option in the task alert. You can set the days in which you need the alerts and the rest all options is as same as the task alerts. In this option also the shake snooze feature and math problem feature are available.



5. ALERT SCREEN

The alert screen of the application is shown as below. It shows the name of the alert and also options for snoozing and stopping the alarm. When the alert is launched application starts playing the alarm tone in a low volume and gradually increase to the maximum. If you had set your alarm volume of the device to level 1 manually then application won't make the volume crescendo.



- **COURSE FEATURES**

In the course option you will be able to add courses and also view details about the courses on clicking the corresponding course item. On clicking 'ADD COURSE' button you will get a screen as below which asks for course name, course code and the teacher. You also need to enter the timings of the course and should click the 'ADD TIME' button for the timing to be entered. If the hour you selected is not free application will show alert dialog. After entering the details click the 'SAVE' button to add your course to database.

5554:Aakash

GTAcampuS

ADD ALL THE REGISTERED COURSES HERE

Course Name **Aakash**

Course Code **Android**

Teacher **IITE**

ADD COURSE TIMINGS

MON	1:00 PM
THU	3:00 PM
THU	3:00 PM

ADD TIME

Save

After saving the course you will come back to the previous course screen where you can see the course item you entered. If you click on the course item you can see the details of the course as shown below.

5554:Aakash

GTAcampuS

Android

Android

COURSE CODE	: Aakash
TEACHER	: GTA
BUNKS	: 0

CLASS TIMINGS

MON	-	8:00 AM
TUE	-	10:15 AM
WED	-	9:00 AM
THU	-	2:00 PM

Close

ADD COURSE

- **TIMETABLE**

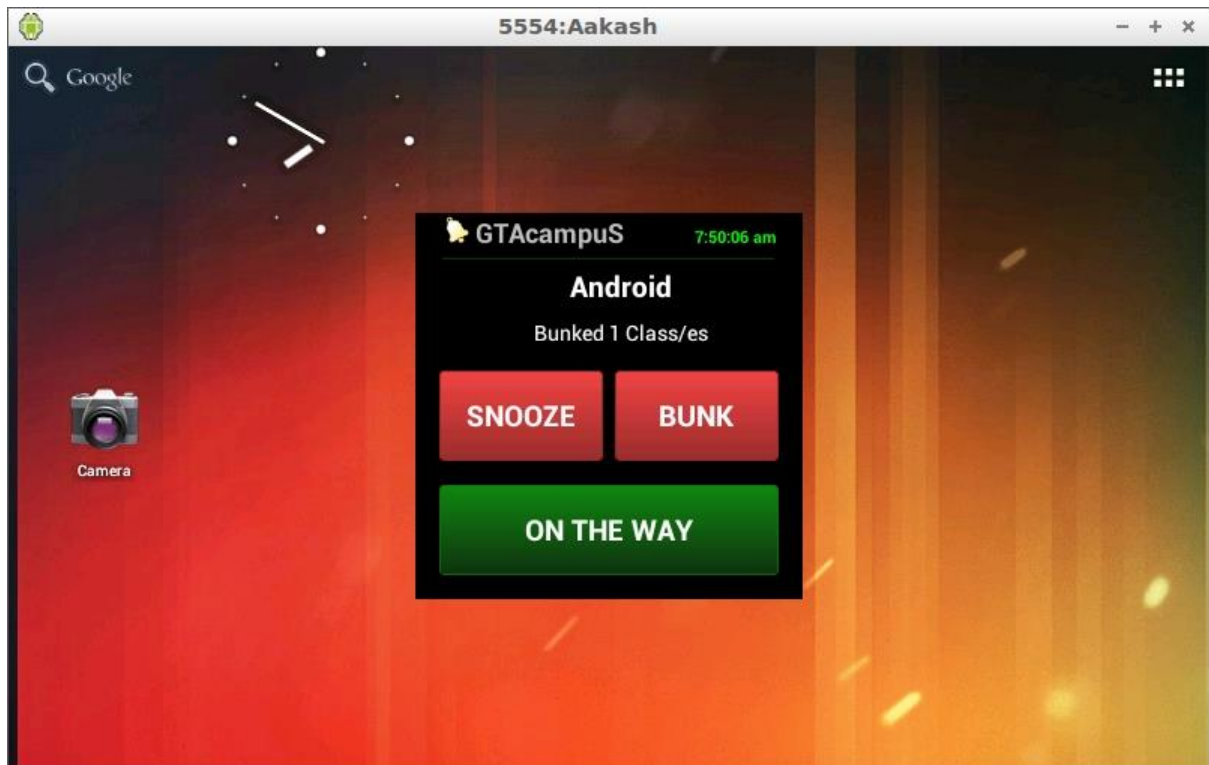
After adding course if you go to 'Timetable' option available in the home screen you can see the consolidated view of all the courses you entered and the time in a table format. The free hours are represented by a '-' symbol. If you make a long click on any course item you will be able to see the course code and the bunk counts of the course.



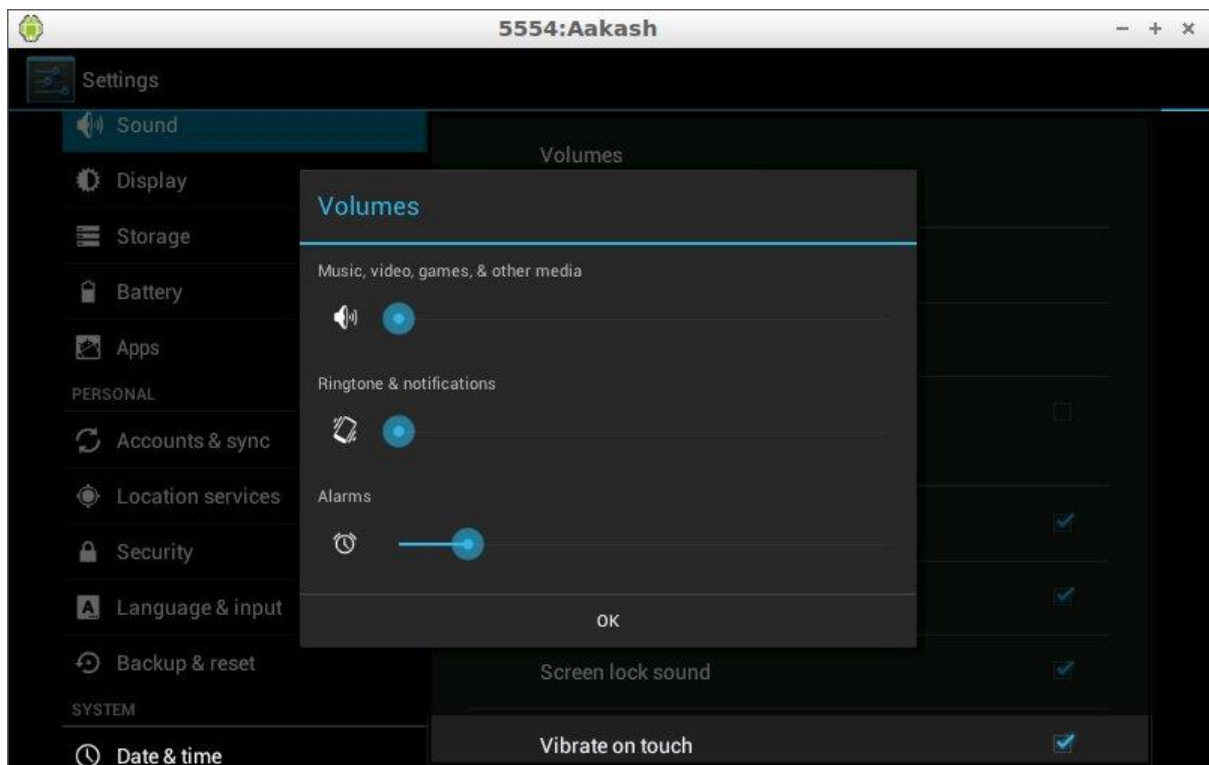
DAY	8:00 AM - 9:00 AM	9:00 AM - 10:00 AM	10:15 AM - 11:15 AM	11:15 AM - 12:15 PM	1:00 PM - 2:00 PM
Monday	Android	-	-	-	-
Tuesday	-	-	Android	-	-
Wednesday	-	Android	-	-	-
Thursday	-	-	-	-	-
Friday	-	-	-	-	Android

- **COURSE ALERTS**

Application will make alerts before each course. User can set how much time before the actual course time you need to get alert through the 'Set course alert time' option available in the settings option in application menu. The course alert screen shows the course name in big bold letters and also the bunk count. This alert will give three options, snooze, bunk and 'ON THE WAY' / stop. Snooze option will be available only up to the start time of the class. On bunking the class application will ask you to solve a math problem in order to ensure that you are in the right mood. If the green button is selected, then application will turn your device to silent mode and will turn off the course alerts by itself, so that your device won't make disturbances during class hours. These changes made by the application on entering the class mode will be set back normal when the class time is over. But if you turn on the course alert option in the settings menu during the class hour then the application will alert in the next hour if there is a course in that hour, otherwise the applications will skip consecutive classes from alerting.

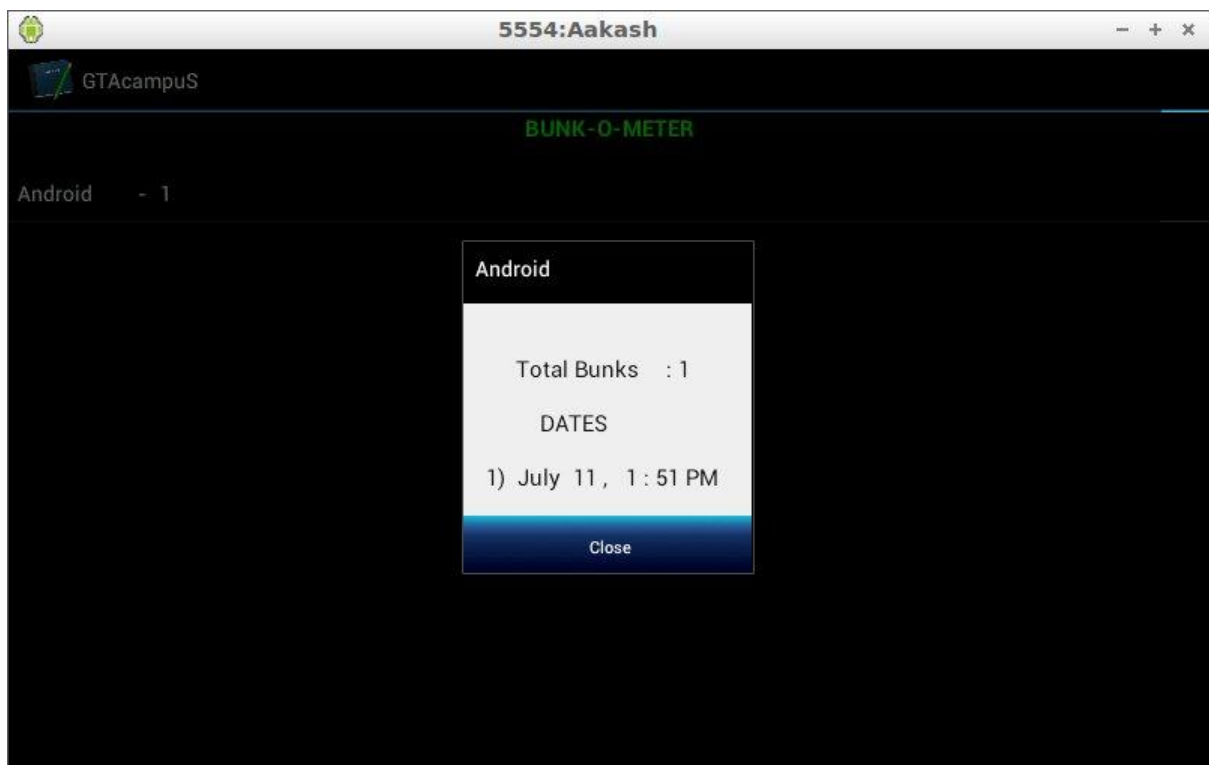
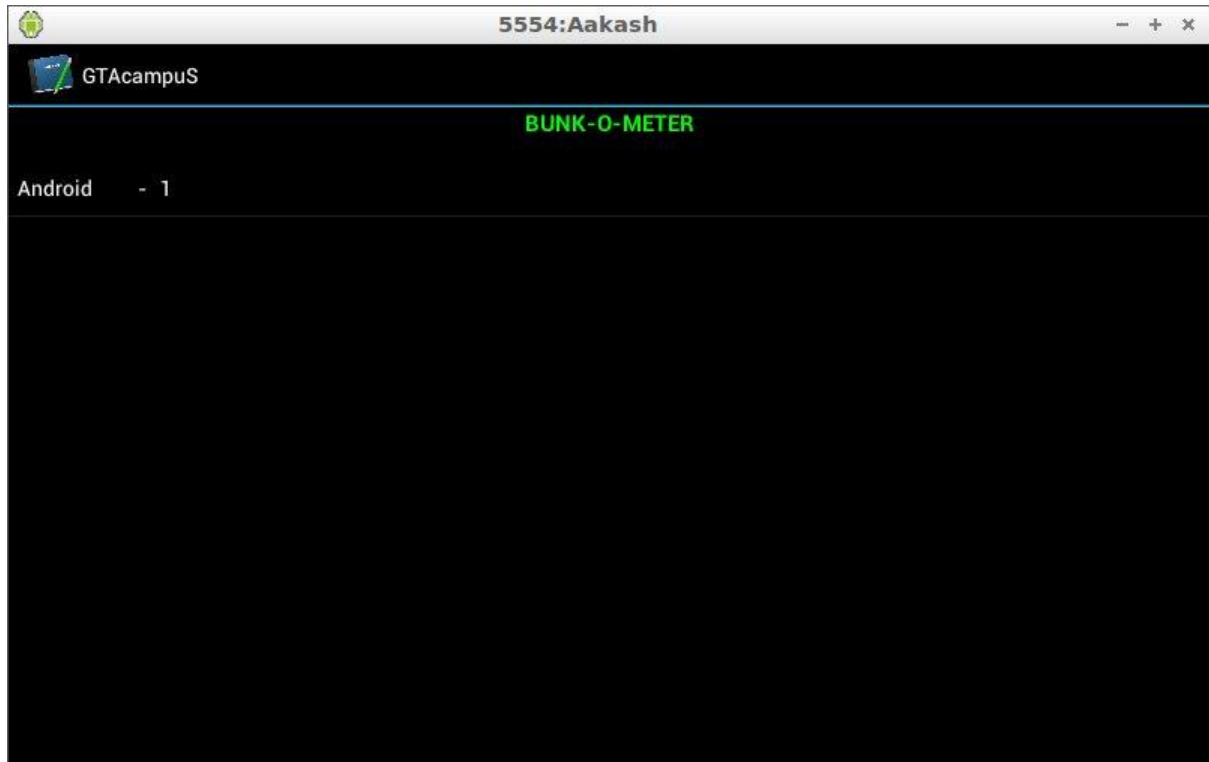


On entering the 'class mode' application will set the volume levels as shown below. You will see a notification in your notification bar about the changes made.



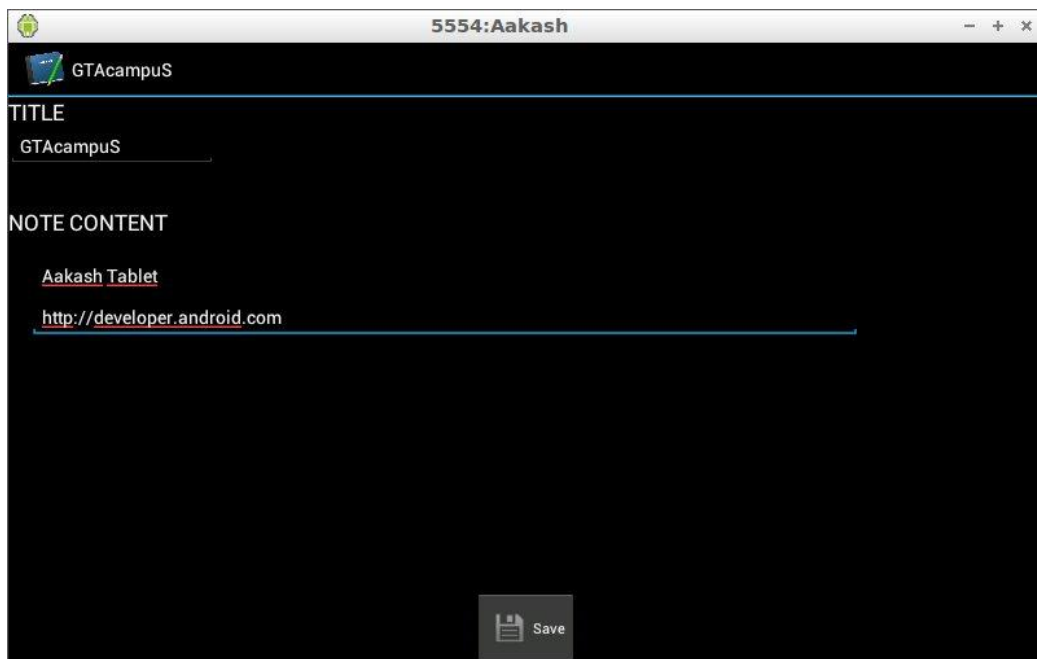
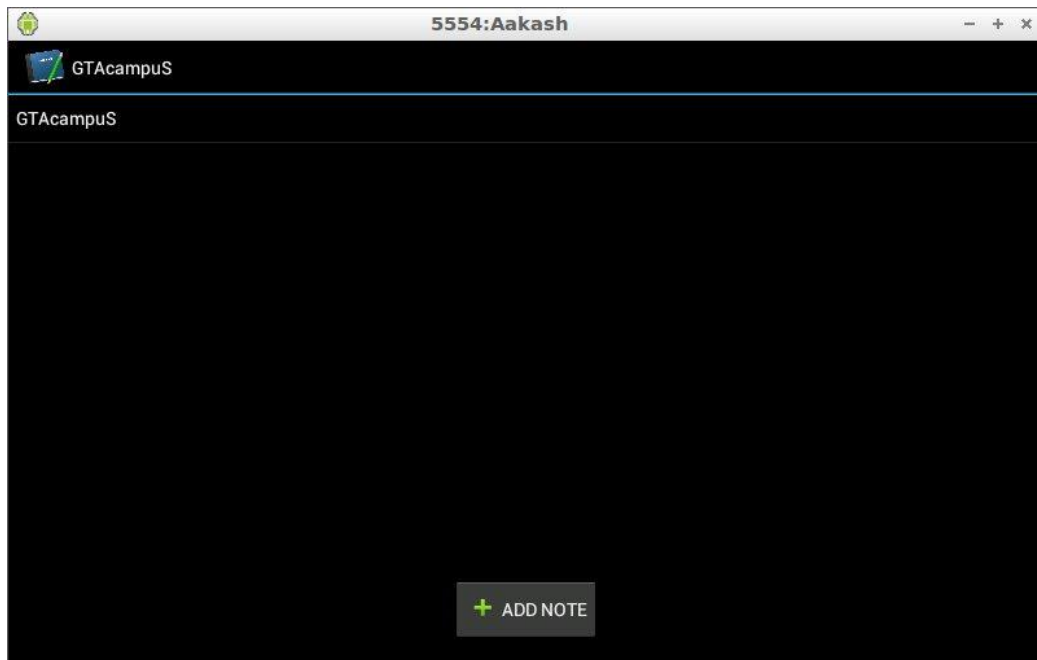
- **BUNK – O - METER**

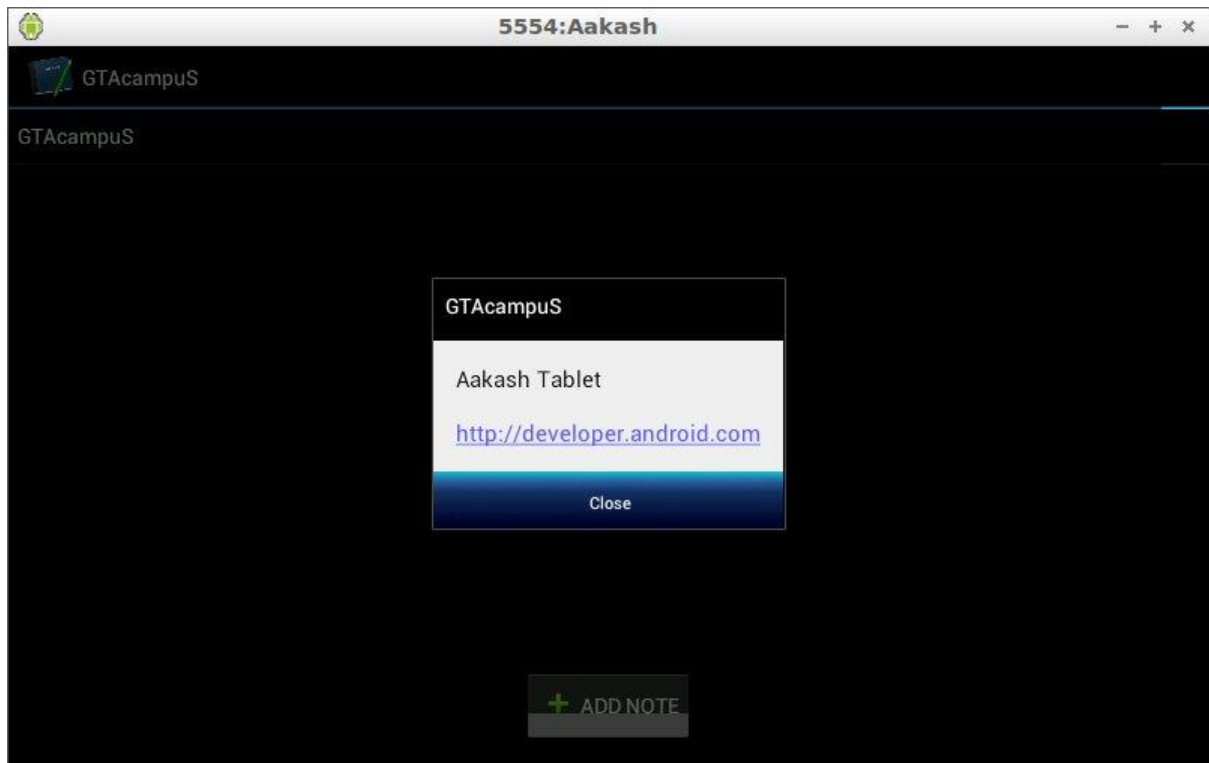
If you are choosing '*bunk*' option for course alert then you can see that the bunk count had increased by one in the bunk-o-meter list available in the home screen. On clicking the item it will display the date and the system time at which you made the bunks.



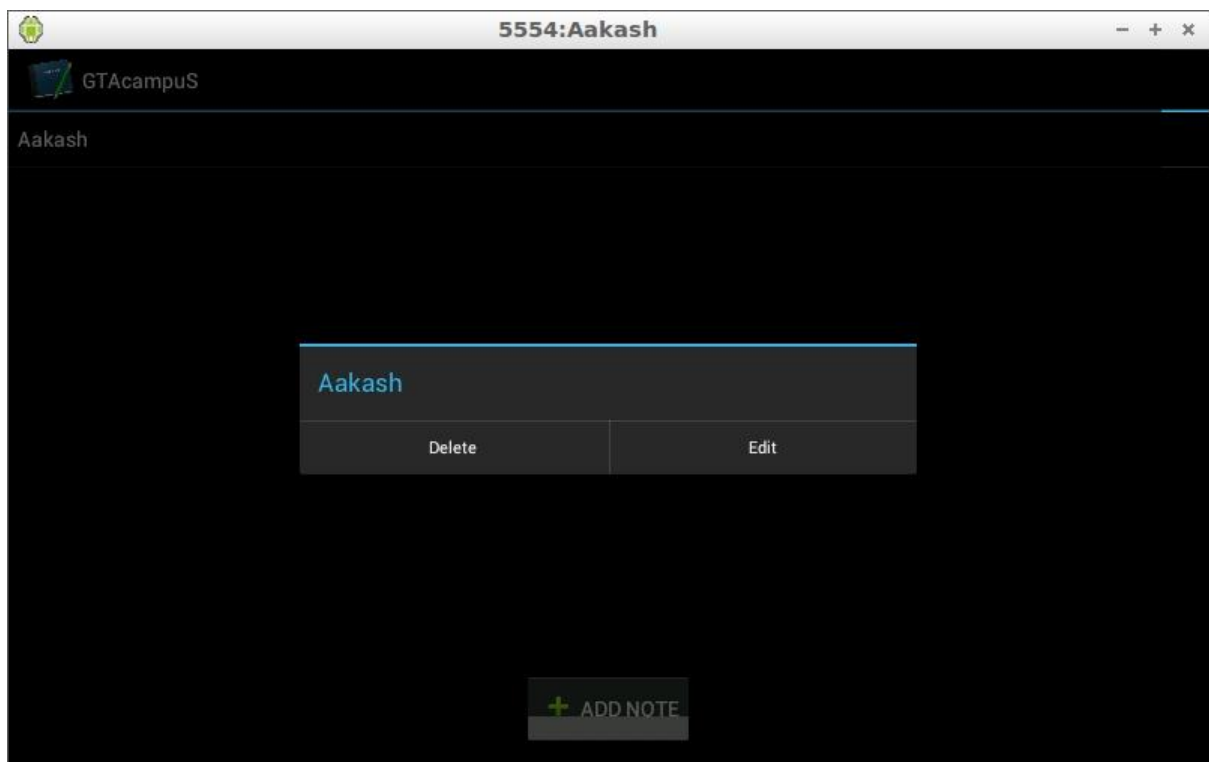
- **NOTES**

The notes option available in the home screen helps you to make short notes or memos which can be read or edited later. On selecting the notes option you will get a screen as shown below which displays all the previously saved notes and a button for adding a new note. If you click on the 'ADD NOTE' button you will get a screen with text fields for entering the title and content of the note as shown in the figure. After saving the note you can see the note contents by simply selecting the note item. The web-links, e-mails etc. in your notes will be automatically changed to links.





For editing / deleting a note make a long click on the note item which will pop up a dialog box showing both options where you can select which operation you want to perform.



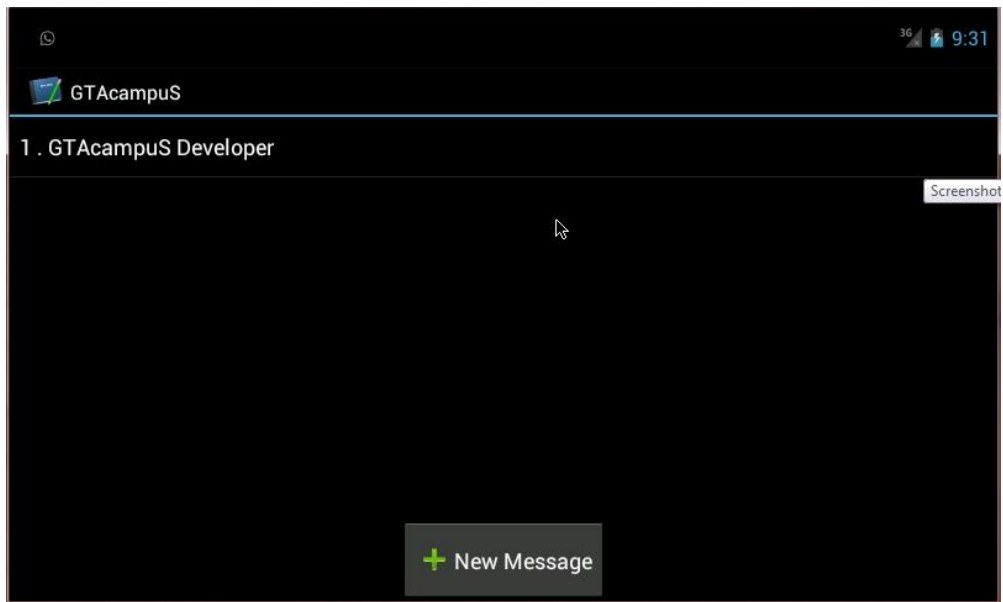
- **CONVERTOR**

Another important tool which this application provides is convertor which helps you to convert commonly used units from one unit to another. In this tool you can select the main category in the drop down menu at the top and the units from which you need to convert is to be selected in the drop down menu in the bottom left and the unit to which you need to convert in the drop down menu in the bottom right. The result will come automatically at the moment you press the done button of the virtual keyboard. The results will be in exponent format if the result is a big digit.



- **MESSAGES**

This feature helps students to pass some information to whole class. Actually the application passes the information to all devices with the application installed and connected to an internet connection. The server is to be configured with the [web-service files](#) which is hosted [here](#). The application is now hard coded with the a server now, so all the devices that install the application will be automatically configured to one server and the messages sent will be received by everyone who installs the application. But if you want to use the application in your private group, you can configure your server and can change the server name given in the app. Thus you will be able to broadcast messages to everyone in your class with the GTAcampuS application installed in their android devices just with one click.



- **CALCULATOR**

This is a simple calculator which can deal with digits of any length. The results will be given in exponent format if the result is a big digit. The result will also be toasted. This calculator also provides operations like GCD and LCM. You can exit the calculator by pressing the 'Clear' button twice.

