# **About Aakash Business Tool(ABT)**

**Aakash Business Tool** is a portable accounting platform on Android intended for Accountants and Students. Aakash is a low cost computing device/tablet for students, the project is initiated and funded by MHRD, Govt. of India. Aakash already runs Android 4.0 with many educational apps developed at IIT Bombay. Aakash Accounting provides an easy to use interface specially for students/newbies who have just started accounting. We have tried to make the user's experience simple and elegant. This initial version covers basic account management, creating vouchers and reports.

It was initially derived from GNUkhata, a free accounting software which is mostly based on Python framework.

#### Some features included in Aakash Business Tool:

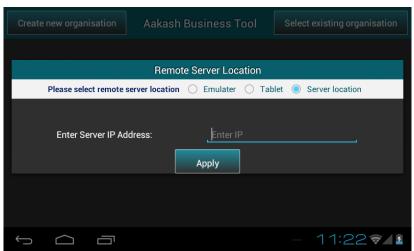
- 1. Managing Organizations and User authentication
- 2. Maintaining books of accounts
- 3. Recording, cloning and editing transactions
- 4. Recording of transactions under particular project
- 5. Generating reports such as Ledger Accounts, Trial Balance(Net, Gross, Extended), Profit and Loss Account, Project Statement, Cash Flow and Balance Sheet(Conventional or Sources of application and funds)
- 6. Bank Reconciliation
- 7. Rollover
- 8. Export reports in PDF/CSV format
- 9. Import/Export of organization data to other device
- 10. ABT as a remote server

# Maintaining organisations

- This article explains maintainance of organisation in Aakash Business Tool(ABT).
- It includes creation of organisation and saving organisation details.

## welcome page

 On loading application, it asks for address of the server location such as emulator, tablet or remote server. Select any one of them.



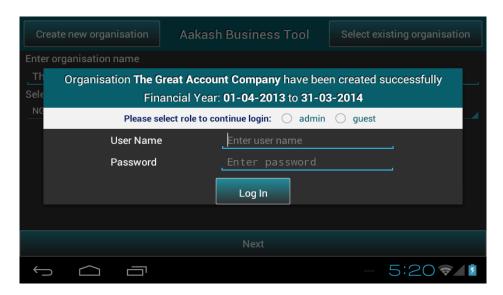
- Choose tablet option to run ABT on android device.
- Android developers can Choose emulator option, to test app or modify ABT source code.
- On selecting Remote server for ABT, enter IP address manually. It requires a live internet connection, it can be within an Organization or an Institute.
- User can access a centralize remote server running within the Institute.
- The advantage is, each user will have his/her own account on the server.
- The central server runs Postgres as a database engine.
- Click Apply button and you will see a page contains the features for the first screen that displays two buttons, **Create new organisation** and **Select existing organisation** at the top.

## Setting up a new organisation

The first step to get started in ABT is to create an organisation

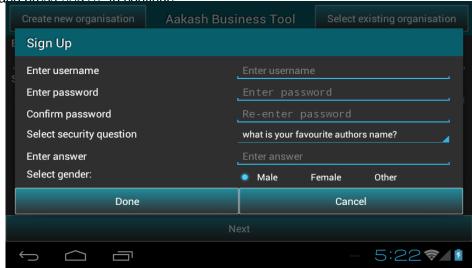
• Go to Welcome page of ART >> Press Create New Organisation Create new organisation Aakash Business Tool Select existing organisation Enter organisation name Select organisation type NGO Financial year Set from date Set to date 01-04-2013 31-03-2014 Next 5:12 🖘 / 

- To get started with the application, there should be atleast one organization.
- Type the name of organisation.
- Select the organisation type (NGO or Profit Making).
- Specify the Financial Year From and Financial Year To.
- **Note**: ABT provides 1st April to 31st March as the predefined financial year, But user can change the To date manually according to organization's rules or requirement. Once the From date is seted, To date gets automatically updated by 12 months and minus 1 day.
- Press next to sign up as a user. This will open a promt-box to select the user role such as Admin or guest.



• Guest user has a default username guest and password is also guest.

• If you select Admin, a new pop-up box will appear on the screen to sign up as an Admin. Save details and press Login to continue



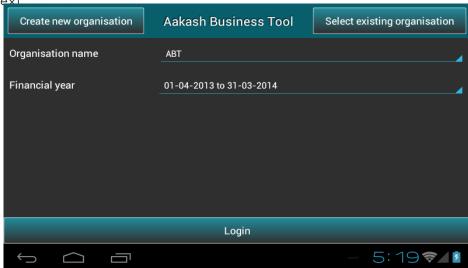
 $\bullet$  Fill the organisation details if required else, press  ${\tt Skip}.$ 

 Press the Save button to save the organisation details The Great Account Company 01-Apr-2013 To 31-Mar-2014 Registration no. Tap to enter registration number Registration date 30-8-2013 FCRA registration no. FCRA registration date 30-8-2013 Country India State Andaman and Nicobar City Port Blair Address Save Skip 

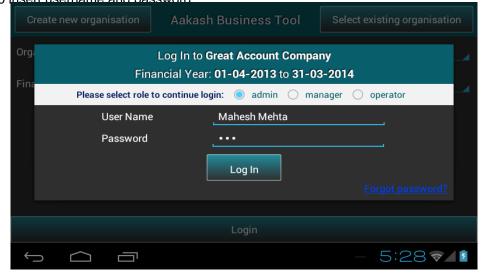
- Note: Organisation will get created by clicking either Save or Skip button.
- Welcome to ABT's master menu!

## Select existing organisation

- Go to Welcome page of ABT >> Press Select New Organisation.
- It will display the list of Organisations.
- Select the required organisation and respective financial year.
- Press Next



• This will ask you to login. Guest user have to just select radio button and Admin/Manager/operator have to insert username and password



## Master menu

Aakash Business Tool's master menu includes list of menu options as shown in figure.



#### Create account

- Create an account under respective group and subgroup with an opening balance.
- Search/Edit/Delete account.

#### **Transaction**

- Record transaction in ABT.
- Search/Edit/Clone/Delete transaction.

#### Reports

• View different types of reports such as Ledger, Trial Balance, Project Statement, Cash Flow, Balance Sheet, Profit & Loss/Income & Expenditure.

#### **Bank Reconciliation**

• Set clearance date for cleared transaction and view Bank Reconciliation statement.

#### **Preferences**

• Set preferences to Edit/Delete organisation details and Add/Edit/Delete project name.

#### Rollover

• Transfer the holdings to the next financial year.

#### **Export organisation**

• Export organisation data from one tablet to another.

### **Account settings**

- Set new username and password.
- Create new user role.

#### Help

How to use ABT

### User authentication

According to the user role access to the menus are provided.

1. **Admin** have access to all the above options.

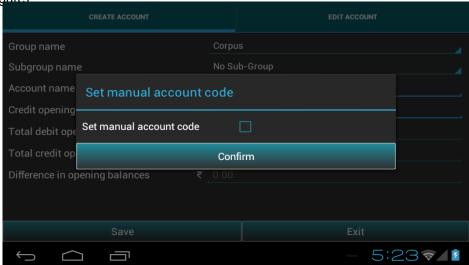
- 2. Except rollover Manager can access all the options.
- 3. Operator has access to create account, Transaction, Export organisation, Account Settings, Help.
- 4. Except rollover and account setting guest can access remaining options.

## **Account management**

- Account management covers three major parts ie. create, search, edit and delete account .
- Go to Master menu > Create account.

## Save account code preference

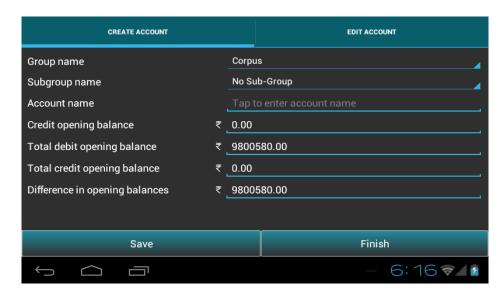
• Before you start creating a new account, you have to specify the account code type ie. manual or automated. When first time you enter into this page, The alert-box will appear on the screen (See below figure)



• Check the check-box if manual account code has to be provided or leave it as it is for automatic account code generation. Click on Save button to save this preference. Remember, This is only one time activity. Later on this alert-box will not appear on the screen instead it will follow the saved preference(manual or automatic) for account code.

### How to create a new account?

• Create an account under respective group and subgroup with an opening balance. This will automatically update the total debit opening balance, total credit opening balance and difference between them.

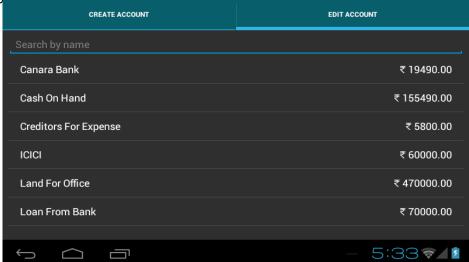


- Press Save to save an account.
- Finish button will take to the Master menu page.

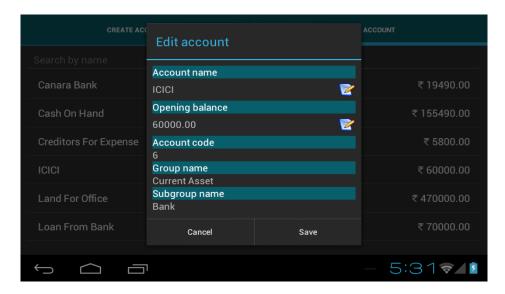
### Search/Edit account

• Select Edit account tab.

• It displays list of all account names



- If manual account code was checked in Preferences, there will be two options ie. Search by account name and code. Otherwise, search by account name.
- User can Edit/Delete selected account name from the list only if that account has no transactions.
- Edit account will display complete information about respective account as shown in figure. Only account name and opening balance fields are editable. Press Save to save the changes.



- Note: Opening balance field is not editable, if account comes under group Direct Income, Direct Expense, Indirect Income and Indirect Expense due to its zero opening balance.
- Press Delete account to delete the account. Account having opening balance or under transaction cannot be deleted.

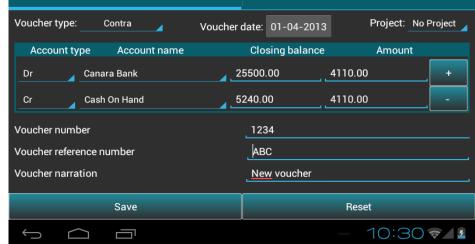
### Transaction management

- This chapter provides guidence to add/search/edit/clone/delete transaction.
- Go to Master menu > Create Voucher.

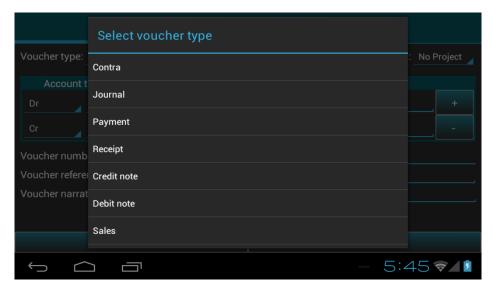
### Record Transaction

CREATE VOUCHER Voucher type: Voucher date: 01-04-2013

• See Create Woucher tab as shown in below fig. for recording transactions



- To record transaction in ABT follow the below steps:
- Select the mode of transaction from the list of voucher type.
- Mode of transaction can be Contra, Journal, Payment, Receipt, Debit Note, Credit Note, Sales, Sales Return, Purchase, Purchase Return.



There should be atleast two accounts for recording transactions. To get started with,

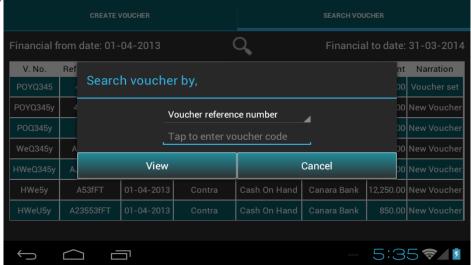
- Select account Type(Dr/Cr), Account name from the dropdown and enter the Amount in rupees and repeat the same until amount gets tallied. Use plus button for adding new row.
- **Note**: ABT populates drop down of account name by voucher type rule. For example, if transaction type is contra, it filters account names that comes under contra and fill them in the drop down.
- Closing balance is displayed in between the account name and amount field. It's a read only field.
- Press Voucher date to set the date of transaction.
- **Note**: ABT sets financial date as Voucher date, if no transaction is recorded before. If any transaction is previously recorded, it sets the voucher date of the previous transaction of the respective voucher type. If the date is changed, it updates the bydefault date or previous date with the new date.
- Press Project name to select the project name from list of projects for recording transaction under that particular project, otherwise select No project.
- Enter Voucher code.
- Enter Voucher reference No. or edit the last reference No..
- Enter Narration.
- Press Save to save transaction and Reset to clear all fields.
- After saving transaction it resets all the fields automatically.
- Reset button shown below, present at the bottom will resets all the fields automatically.
- You can change the voucher type if you want to make different voucher entries.

### Search/Edit/Clone/Delete Transaction

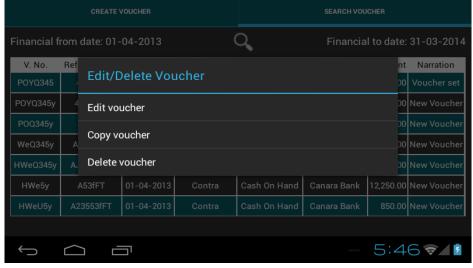
- To Edit/Clone/Delete transaction select Search voucher tab.
- Its displays all transactions for the complete financial year which comes under selected voucher type in create account page as shown in figure.

CREATE VOUCHER				SEARCH VOUCHER			
Financial from date: 01-04-2013			Financial to date: 31-03-2014				
V. No.	Reference No	Date	Voucher Type	Account Name	Particular	₹Amount	Narration
POYQ345	453DFT	01-04-2013	Contra	Canara Bank	Cash On Hand	7,500.00	Voucher set
POYQ345y	453fDFT	01-04-2013	Contra	Canara Bank	Cash On Hand	9,660.00	New Voucher
POQ345y	453fFT	01-04-2013	Contra	Canara Bank	Cash On Hand	9,250.00	New Voucher
WeQ345y	As453fFT	01-04-2013	Contra	Canara Bank	Cash On Hand	9,250.00	New Voucher
HWeQ345y	AJs453fFT	01-04-2013	Contra	Cash On Hand	Canara Bank	78,050.00	New Voucher
HWe5y	A53fFT	01-04-2013	Contra	Cash On Hand	Canara Bank	12,250.00	New Voucher
HWeU5y	A23553fFT	01-04-2013	Contra	Cash On Hand	Canara Bank	850.00	New Voucher
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• Press Search button (see figure) to search transaction by Voucher reference No., Date or Narration and press View button to view the transactions



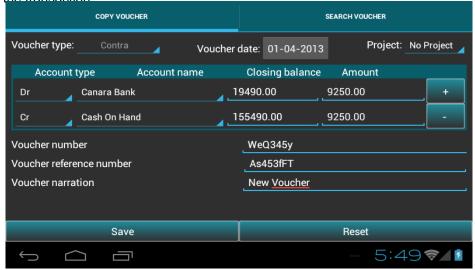
Click table row to Edit/Clone/Delete the transactions



• In **Edit voucher**, except Voucher No., all other fields are editable. Press Save to save the changes.



• Clone voucher duplicates information on an existing transaction, to create a new one without having to enter all the fields. There is an option to keep or change the existing field values. Press Save to save the transaction



• **Delete voucher**: Press Delete to delete the transaction.

# Reports

- Go to master menu >> Reports.
- It displays list of all types of reports provided by ABT. If organisation type is NGO, it shows Income and Expenditure in the list otherwise Profit and Loss.



• Title will display respective organisation information such as name, type and financial year.

Options button is provided to export report in a PDF or CSV format



Total of Transactions

See You can also set security to your file

Great Account Company, Profit Making

Ledger for: Canara Bank

O1-Apr-2013 To 31-Mar-2014

Date

Particulars

Reference no.

Period: 01-Apr-2013 to 31-Mar-2014

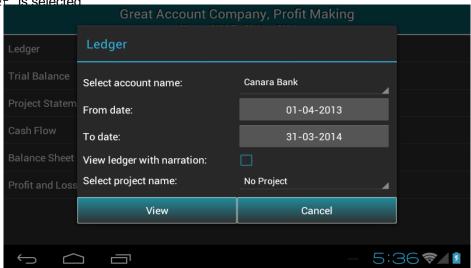
Period: 01-Apr-20

## Ledger

Select Ledger option from list, It will pop up a dialog box (see fig.) which ask's following information:

- Account name for which ledger to be shown. Select account name from the dropdown.
- from date and to date, by default it is financial year's from date and to date. Change date as per the requirement or keep it as it is.
- Check box to view transactions with narrations.

• Project name to view projectwise ledger. Select project from the dropdown, by default No Project is selected



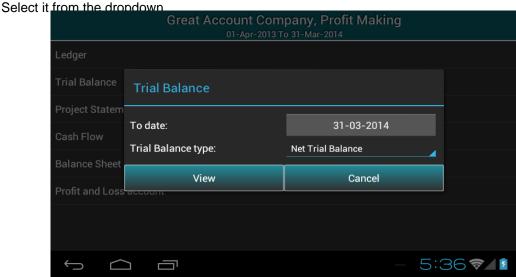
- Press View.
- It will display ledger for the given period in a tabular format. Opening balance is located at the first row of the table followed by transactions, with Total of transactions, Closing balance and Grand total at bottom of the table

Great Account Company, Profit Making Ledger for: Canara Bank 01-Apr-2013 To 31-Mar-2014 Period: 01-Apr-2013 to 31-Mar-2						
Date	Particulars	Reference no.	₹ Debit	₹ Credit		
01-04-2013	Opening Balance b/f		36,000.00			
01-04-2013	Cash On Hand	453DFT	7,500.00			
01-04-2013	Cash On Hand	453fDFT	9,660.00			
01-04-2013	Cash On Hand	As453fFT	9,250.00			
01-04-2013	Cash On Hand	AJs453fFT		78,050.00		
01-04-2013	Cash On Hand	A53fFT		12,250.00		
01-04-2013	Cash On Hand	A23553fFT		850.00		
01-04-2013	Cash On Hand	453fFT	9,250.00			
	Total of Transactions		35,660.00	91,150.00		
31-03-2014	Closing Balance b/f		19,490.00			
	Crand Total		01 150 00	01 150 00		
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### **Trial Balance**

- Like Ledger, It will pop up a dialog box (see fig.) which ask's following information:
- to date, by default it is financial year's to date. Change date as per the requirement or keep it as it is.

• Trial Balance type. In ABT, there are 3 types of trial balances such as Net, Gross and Extended.

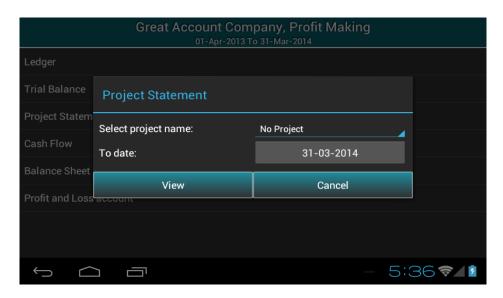


- Press View.
- It will display Trial Balance for the given period in a tabular format. Difference in Opening Balance is located at the bottom of the screen

Great Account Company, Profit Making  Net Trial Balance  01-Apr-2013 To 31-Mar-2014  Period : 01-Apr-2013 to 31-Mar-2014							
Sr. no.	Account name	Group name	₹ Debit	₹ Credit			
1	Canara Bank	Current Asset		19,490.00			
2	Cash On Hand	Current Asset	1,55,490.00				
3	Creditors For Expense	Current Liability		5,800.00			
4	ICICI	Current Asset	60,000.00				
5	Land For Office	Fixed Assets	4,70,000.00				
6	Loan From Bank	Loans(Liability)		70,000.00			
			6,85,490.00	95,290.00			
Difference in Opening Balances: ₹ 590200.00							

# **Project Statement**

- It will pop up a dialog box (see fig.) which ask's following information:
- to date, by default it is financial year's to date. Change date as per the requirement or keep it as it is.
- Project name to view projectwise transactions. Select project from the dropdown, by default No Project is selected.

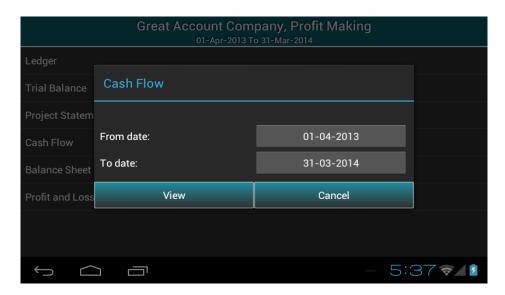


• It will display Project Statement for the given period in a tabular format. Difference in Opening Balance is located at the bottom of the screen



### **Cash Flow**

- It will pop up a dialog box (see fig.) which ask's following information:
- from date and to date, by default it is financial year's from date and to date. Change date as per the requirement or keep it as it is.

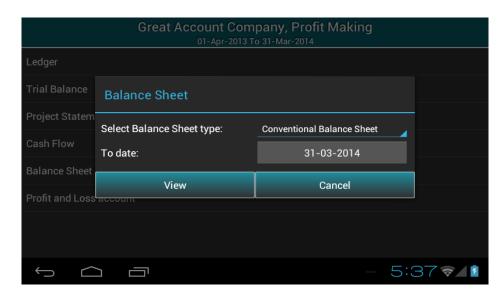


- Press View.
- It will display Cash Flow for the given period in a tabular format. Net Flow is located at the bottom of the screen



### **Balance Sheet**

- It will pop up a dialog box (see fig.) which ask's following information:
- to date, by default it is financial year's to date. Change date as per the requirement or keep it as it is.
- Balance Sheet type. In ABT, there are 2 types of balance Sheets such as Conventional(horizontal) and Sources & Application of Funds(vertical). Select it from the dropdown.



• It will display Balance Sheet for the given period in a tabular format. Difference in Opening Balance is located at the bottom of the screen

Great Account Company, Profit Making  Conventional Balance Sheet  01-Apr-2013 To 31-Mar-2014  Period: 01-Apr-2013 to 31-Mar-2014						
Capital & Liabilities	₹ Debit	₹ Credit	₹ Total Amount	Property & Assets	₹ Debit	1
LOANS(LIABILITY)				FIXED ASSETS		
Loan From Bank	70,000.00			Land For Office	4,70,000.00	
			70,000.00			
CURRENT LIABILITIES				CURRENT ASSETS		
Creditors For Expense	5,800.00			Canara Bank		1
			5,800.00	Cash On Hand	1,55,490.00	
				ICICI	60,000.00	
TOTAL			75,800.00 Difference	TOTAL in Opening Balances		σ
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# **Income & Expenditure/Profit & Loss**

- It will pop up a dialog box (see fig.) which ask's following information:
- to date, by default it is financial year's to date. Change date as per the requirement or keep it as it is.

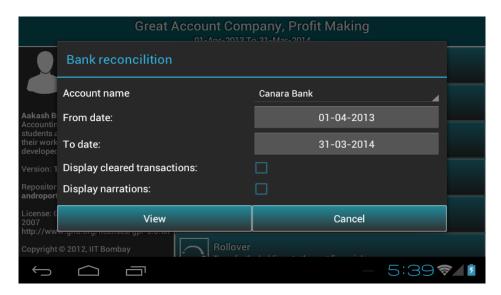


• It will display Income & Expenditure/Profit & Loss for the given period in a tabular format.



# **Bank reconciliation**

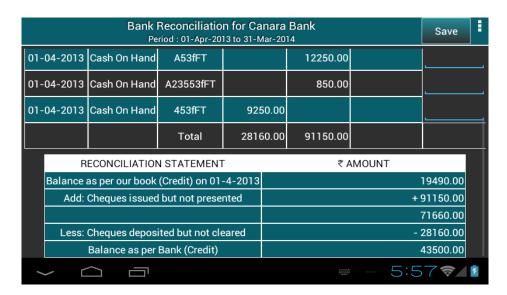
- Go to Master menu > Bank Reconciliation.
- It will pop up a dialog box (see fig.) which ask's following information.
- Account name for which Bank Reconciliation is to be done. Select account name from the dropdown.
- from date and to date, by default it is financial year's from date and to date. Change date as per the requirement.
- Check box to view cleared+uncleared transactions.
- Check box to view transactions with narrations.



• It will display all transactions(cleared + uncleared) for that period and all uncleared transactions from starting day of financial year to the last day of the entered period for that account in a tabular format.

Bank Reconciliation for Canara Bank Period : 01-Apr-2013 to 31-Mar-2014							•
Date	Particulars	Reference no.	₹ Debit	₹ Credit	Clearance date	Memo	
01-04-2013	Cash On Hand	453DFT	7500.00		24-05-2013		
01-04-2013	Cash On Hand	453fDFT	9660.00				
01-04-2013	Cash On Hand	As453fFT	9250.00				
01-04-2013	Cash On Hand	AJs453fFT		78050.00			
01-04-2013	Cash On Hand	A53fFT		12250.00			
01-04-2013	Cash On Hand	A23553fFT		850.00			
01-04-2013	Cash On Hand	453fFT	9250.00				
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- More about this table:
- Total Debit & Total Credit at the end of the table.
- Bank Reconciliation Statement is located at the bottom of the table.



• Options button is provided to export report in a PDF or CSV format.

# Setting up preferences

Select Preferences option from master menu to edit organisation details or Add/Edit/Delete project.

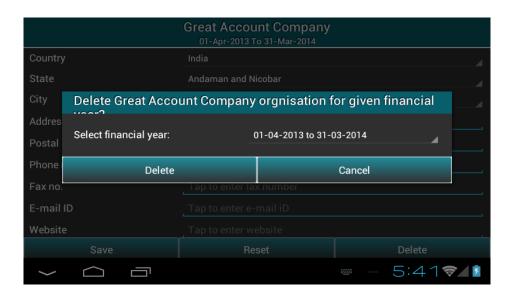
## **Edit/Delete organisation details**

Displays previously saved organisation information, all the fields are editable.

 Creek Associate Company.

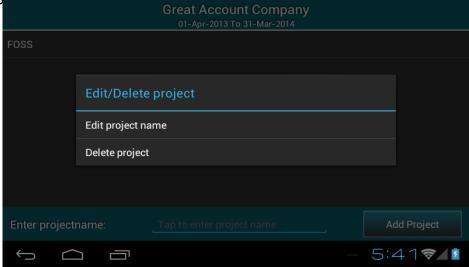


- User can edit these fields if required.
- Press Save to save the changes.
- Press Reset to clear all the fields.
- Press Delete button to delete organisation. You can also delete previous financial year of the same organisation.



## Add/Edit/Delete project

It displays list of all projects added before



- Add project (see figure) will help to add new project if not exists.
- Select project name from the list, It diplays a popup which is having two options such as edit or delete project name.
- Note: If project has transactions, it can not be deleted.

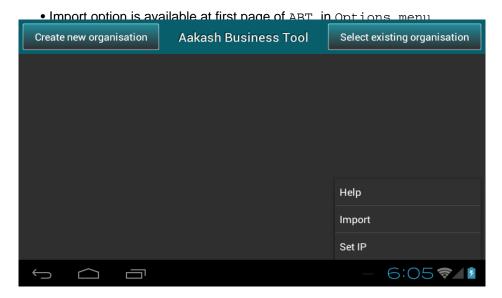
## Rollover

- Go to Master menu > Rollover.
- Click on Rollover, it will prompt accourding to following conditions.
  - It will check for financial period, if it is not completed financial to date then, it prompt for can not rollover, since financial year is not completed!!.
  - Else if financial year is completed then it prompt to rollover has been done.
  - Rollover will be done only once in a financial period so , if you click on it again, it prompt rollover has done already!!

# **Export/Import organisation**

- Export organisation :
  - Go to Master menu > Export organisation.
  - Click on it, It will pop up a dialog box (see fig.) which ask's "Do you want to export organisation".
  - If you will click on Yes then, it will again prompt "organisation has been exported to /mnt/sdcard/export/".
  - ullet See, there is a location in tablet called  $\mbox{/mnt/sdcard/export}$ , you can able ton find exported organisation sql formated file.
- Import organisation :

ullet To import same organisation in another tablet just transfer <code>export</code> folder, provided <code>ABT</code> is installed.



- Just click on Import, it will show all available exported organisation and financial years to import it on current tablet.
- Now, select organisation name and it's financial year which you would like to import and click on Import button.

