

**ATSS's**  
**Institute of Industrial & Computer Management & Research, Nigdi**  
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**MCA 3<sup>rd</sup> Sem**  
**Mini Project Synopsis**

**Title of the project : Expense Tracker**

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# ABOUT THE EXISTING SYSTEM

There are numerous app in the markets now to track & keep record of our spending's like Moneyfy Money Manager, Expense Tracker - Money Manager & Budget, Expense Manager but few of these are not working in offline mode. The main goal of the project is to make the system offline and free. It also provides feature to take image and save it.

# Need of Proposed System

- ❖ • The proposed system should operate offline so it can be accessed at any time without internet availability
- ❖ • This system should be able to analyze the information, provide analytics on which category did the user spent most of their money.
- The proposed system will provide a user interface where the user could store and
- ❖ observe their past expenses.

# Objectives of the Proposed System

- ❖ • To keep track of Income-Expense of a user on a day-to-day basis.
- ❖ • To help understanding the expense so that it will help in future investment.
- To allow users to maintain a digital automated diary.

# Problem Statement

Sometime we can't remember where our money goes. And we can't handle our cash flow. With the help of this application user will be able to maintain their daily expenses in automated form. Instead of keeping a diary or a log of the expenses, this application enables the user to not just keep the control on the expenses but also to generate and save reports.

The main objective of this project is support to the user to sustain all financial activities as like digital automated dairy. This application helps the user to avoid unexpected expenses and bad financial situation.

# Scope of the proposed System

- ❖ To keep track of Expenses of a user on day-to-day basis.
  - ❖ To help understanding the expense so that it will help in future investment.
  - ❖ To allow users to maintain a digital automated diary.
- To get image of bills and save it for future reference.

# Technology Description

Front End Language	xml
Back End Language	Java
Library	Java
Tools	Android Studio
Framework	Android SDK Tool
Database	SQLite



# Hardware-Software Requirements

- Hardware requirements:
  - A Dual core processor is required.
  - RAM up to 8GB is needed.
  - Hard Disk up to 32GB is required.
- Software requirements:
  - Android studio for creating and controlling the functionality of the application.
  - Database like SQL is required in the system for storage of any information about the user.
  - Software is Mobile App so a Android emulator is required.

# Expected GUI Screens

- Login Page
- User Profile
- Expense Management
- Filter Transaction
- Expense Report(in form of Graphs)
- Scan Bill

# User table

S.No	Title	Constraints
1	User_id	Primary_key
2	User_name	Not Null
3	User_email	Not Null
4	User_password	Not Null
5	User_confirmpass	Not Null

# Bill table

S.No	Title	Constraints
1	bill_id	Primary_key
2	bill_amount	Not Null
3	Bill_desc	Not Null
4	Bill_date	Not Null
5	bill_sel_category	Not Null

# Category table

S.No	Title	Constraints
1	category_id	Primary_key
2	category_name	Not Null
3	category_desc	Not Null

# Scan\_image table

S.No	Title	Constraints
1	img_id	Primary_key
2	img_name	Not Null
3	img_date	Not Null