

# **PERSONAL EXPENSE TRACKER APPLICATION**

**TEAM ID : PNT2022TMID48497**

**TEAM LEADER : EMILIN PEARL SHARAL D**

**TEAM MEMBER 1 : GAYATHRI S**

**TEAM MEMBER 2 : MATHUMITHA T**

**TEAM MEMBER 3 : SHARMILA N**

**TEAM MEMBER 4 : MANISHA G**

**PROJECT GUIDE : Mrs. G.S. SANKARI AP/ECE**

## **ABSTRACT**

Expense Tracker is used to maintain and manage the data of daily expenditure. User can choose the kind of spending they wanted to do, even the amount etc. and all these details is going to be saved by the internal database storage. In this system user can actually have a knowledge about their expenditure on their daily basis, weekly as well as monthly basis. This systematic way of storing your information related to your expenses would help you to keep a track of your expenditure and further you do not have to do the manual stuff. Some statistical analysis and limited alerts has to be done to be able to give users for betterment. This helps the society to prevent the issues like bankruptcy and save time from manual calculations.

## **INTRODUCTION**

In today's world financial well-being is the dream of every person and managing and keeping track of their expenses play a crucial role in this goal. If a person is not able to manage his expenses, he/she is likely to end up in a crisis. Money management is a necessary part of life. A proper balance between income and expense is a must for a comfortable livelihood. There must be some savings that can be used at a later point of life when needed. But in the absence of proper management of money, we left with no savings at all. Some people note down every single expense which is a good practice. 'Expense Tracker' to efficiently manage house-old budget. Our system will allow user to keep track of their expenses. Some statistical analysis has to be done to be able to give users correct information on their expenses and help them spend better. For using such application, a user needs to provide his/her total income or the amount he/she is spending per day and each user details or information are going to be stored in a unique way.

Every user is required to register on the application system to create a record unique to the user. This expense tracker uses statistical analysis which are going to keep a track of your expenses and would even give you results accordingly. If you spend too much on a particular day this smart feature will help you to sort things out it will minus the expenses from the next day or if it lesser then it will add your saved amount for that day in the savings. Tracking application will generate a report accordingly on monthly or weekly basis and would generate a statistical analysis of your expenses in a more sorted and easier to understanding way.

## **OBJECTIVE**

- Personal expense tracker application is a web based application system in which people can store their expense.
- This helps to analysis their incoming and outgoing expenses in daily bases.
- Using this Application, user can login in or sign up the page before adding their expense records which becomes safe, easier and efficient .
- It helps people to make analysis of their budget with the limits.
- In which people can store the expense with different categories and amount. It helps people to get graphical report of their expenses.

## **LITERATURE SURVEY – 1**

**TOPIC :** A Smart Approach to Track Daily Expenses

**AUTHOR :** UP Singh, AK Gupta, Dr. B. Balamurugan

### **OVERVIEW :**

- In this paper, a Java GUI based application was proposed to assure that it will help its users to manage the cost of their daily expenditure. It will guide them and aware them of their daily expenses. The proposed design contained the basic modules for adding and viewing expenses, managing expense categories. Supports CRUD operations on expense data.

### **ADVANTAGES :**

- Category-wise management of expenses.
- Daily, monthly, annual basis tracking.
- Simple and user-friendly.

### **DISADVANTAGES :**

- Lack of visual analytics for expense data.
- Lack of support for splitting group expenses.
- Supports manual data monitoring only.

## **LITERATURE SURVEY – 2**

**TOPIC :** Expense Tracker

**AUTHOR :** Prof Miriam Thomas, Lekshmi P, and Dr. Mahalekshmi T

### **OVERVIEW :**

- Daily Expense Tracker System is designed to keep a track of Income-Expense of an organization on a day-to-day basis. This System divides the Income based on daily expenses. If exceed day's expense, system will calculate income and will provide new daily expense allowed amount. Daily expense tracking System will generate report at the end of month to show Income-Expense graph. And employees send reports to the manager for verification. Manager send final reports to administrator .Based on the final reports system predict the next month expense . It will helps to manage over all expense and income.

### **ADVANTAGES :**

- Maintenance of expense data in the form of Excel sheets, CSV files, thereby avoiding entering individual expenses manually.
- Better visual analytics of data for various timelines.
- Supports handling for reimbursements.
- Least squares regression, a statistical procedure, is used to predict the expense limits.

### **DISADVANTAGES :**

- Suitable for organization scale, too complex for personal use.
- Expense prediction is not really necessary for small transactions made on personal use.
- Involves the participation of 3 roles Admin, Manager, Employee.

## **LITERATURE SURVEY – 3**

**TOPIC :** Expense Tracker Application

**AUTHOR :** Velmurugan.R , Mrs.P.Usha

### **OVERVIEW :**

- This is an android based application that allows user to maintain a computerized diary to track expenses on a day-to-day basis to stay on budget and know expenses that is represented via a graphical representation with special features of distributing expenses in different categories suitable for the user. Java, XML, MySQL is used. Filtering transaction views, view analytics and PDF report are also included.

**ADVANTAGES :**

- Has various components of updating and viewing users expenditure.
- User can track his expenses by choosing a day and using various filtering options to study expenses.
- Visualization using pie chart with percentage view shows graphical representation.

**DISADVANTAGES :**

- Doesn't support upcoming android versions.
- If a particular data is deleted, it cannot be viewed again.
- Statistics about income and expense detail of user can be prepared.

**LITERATURE SURVEY – 4**

**TOPIC :** Online Income and Expense Tracker

**AUTHOR :** S. Chandini, T. Poojitha, D. Ranjith, V.J. Mohammed Akram, M.S. Vani, V. Rajyalakshmi

**OVERVIEW :**

- It is a web application which is helpful to manage out income and expense as a daily or periodically or else whenever we want to remind and acts as an indicator or reminder example in the fastest world which we can't able to remember what are the things we have to do for the end of month and what are the payments we have to pay for the particular month.

**ADVANTAGES :**

- User friendly and data is maintained efficiently.
- Generates report at the end of week or month to show Income.
- Expense via multiple graphs.
- There is also an option to view owe and lend expenses which adds or gets deducted from the overall budget according without bothering the user.

**DISADVANTAGES :**

- Does not provide any option to handle shared expense of a group.
- Effort has to be made to include each and every transaction into the input field.

**LITERATURE SURVEY – 5**

**TOPIC :** A Review on Budget Estimator Android Application

**AUTHOR :** Namita Jagtap, Priyanka Joshi, Aditya Kamble

**OVERVIEW :**

- The system known as Budget Estimator is designed to manage the application user 's daily expenses in a more efficient and manageable way. This project is about mobile application Expenses system with geo location tracking, based on the location of the user, it using Google Places, to check, the available store in the area, provides a notification for offers purpose, In term of security design, this system may implement a login authentication such as OTP message to your mobile device, this function may bring more security confidence to user. To reduce manual calculations, we propose an application which is developed by android. This application allows users to maintain a digital automated diary.

**ADVANTAGES :**

- In this paper, an algorithm was proposed to show offers in nearby places using geo-location tracking.
- This mobile application with 2-step verification method provides the security to the users.

**DISADVANTAGES :**

- Suitable for only Personal use.
- It does not provide any analytics.

**REFERENCES**

S.NO	JOURNAL TITLE	FIRST AUTHOR	CITATION
1	A Smart Approach to Track Daily Expenses	UP Singh	UP Singh, AK Gupta, Dr. B. Balamurugan (2021) - Spending Tracker : A Smart Approach to Track Daily Expenses – Turkish Journal of Computer and Mathematics Education Vol.12 No.6 , 5095-5103
2	Expense Tracker	Prof Miriam Thomas	Prof Miriam Thomas, Lekshmi P, and Dr. Mahalekshmi T (2022) - Expense Tracker - International

			Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 9, Issue 4, September 2020 ISSN (Online) 2581-9429
3	Expense Tracker Application	Velmurugan.R	Velmurugan.R , Mrs.P.Usha (2021) - Expense Tracker Application - International Journal of Innovative Research in Technology (IJIRT) Volume 7, Issue 10, March 2021 ISSN: 2349-6002
4	Online Income and Expense Tracker	S. Chandini	S. Chandini, T. Poojitha, D. Ranjith, V.J. Mohammed Akram, M.S. Vani, V. Rajyalakshmi -Online Income and Expense Tracker, International Research Journal of Engineering and Technology (IRJET) Volume 6, Issue 3, March 2019 e-ISSN: 2395-0056, p-ISSN: 2395-0072
5	Budget Estimator Android Application	Namita Jagtap	Namita Jagtap, Priyanka Joshi, Aditya Kamble (2019)- A Review on Budget Estimator Android Application- International Journal of Innovative Research in Technology (IJIRT) Volume 6, Issue 4, March 2021 ISSN: 2395-0056