

PERSONAL EXPENSE TRACKER APPLICATION

Raveen A, Raguram G P, Sandhiya K, Oviya D

LITERATURE REVIEW:

Expense Tracker is an everyday expense control application designed to track effortlessly and efficiently each day costs. This helps us to get rid of the need of paper responsibilities that systematically maintains information. This device can be utilized by any individual to govern their income expenditure from each day to annual basis and to hold an eye on their spending, Including the person to whom the payments were made and the purpose for the payment. On a weekly, monthly, and yearly basis, details of expenses will be displayed in the form of a pie chart. It aids us in remembering and adding information about what money we receive from others and what costs or payments we must make on a given date or month. We have categories in the expense tracker such as add expense, monthly expenses, add new expense, and so on. It gives the daily remainder about the savings we need to do.[1]

This project is based on expense and income tracking system. This project aims to create an easier, faster and smooth tracking system between the money spend and the money earned. We are making an android application which is named as “STUDENT EXPENSE TRACKING APPLICATION”. This is an android application which is used to track the daily expense of a student. So, for the better expense tracking system, we developed our project that will help the users a lot. Most of the student because of their busy schedule they find it difficult to calculate their expense and income that is the one reason they face money crisis, in this case daily expense tracker can help the student to tracking income-expense day to day and making life tension free and focus easily on their career.[2]

This paper represents a Daily Expense Tracker is a tool that resides on a remote server and is accessible via browsers. As the name suggest Daily Expense Tracker is a web application that allows you to track the daily expense of the user and help them to better manage their resources. It creates a digital record of the income and expense of the user. It input from the user a income, source of this income and the date of earning that income and creates a transaction entry under income category sums to the total amount of income and making real time changes. The various sources of income can be added and thus the distribution of your income is also illustrated by real time functioning charts that will keep updating as per your transactions. Similarly, it will also have an expense category where you can make similar transaction about the source of your expense, amount and date. On creating such transaction a different chart for distribution of expense will also be made in real time. The web application will also be voice

powered and all the functionalities can be used with voice commands. The application will be accessible and compatible to all the devices.[3]

Expense Tracker is used to maintain and manage data of daily expenditure in a more precise way it can give profound knowledge of their expenses. 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 has to be done to be able to give users correct information on their expenses and help them spend better. This helps the society to prevent the issues like bankruptcy and save time from manual calculations. User can provide his/her income to calculate the total expense per day and the results will be stored for each individual user. People when usually go for trips with friends, can use this tracker to maintain their expense.[4]

We are building an android application named as “Expense Tracker”. As the name suggests, this project is an android app which is used to track the daily expenses of the user. It is like digital record keeping which keeps the records of expenses done by a user. The application keeps the track of the Income and Expenses both of user on a day-to-day basis. This application takes the income of a user and manage its daily expenses so that the user can save money. If you exceed daily expense allowed amount it will give you a warning, so that you don’t spend much and that specific day. If you spend less money than the daily expense allowed amount, the money left after spending is added into user’s savings. The application generates report of the expenses of each end of the month. The amount saved can be used for celebrating festivals, Birthdays or Anniversary.[5]

This Expense Tracker is a web application that facilitates the users to keep track and manage their personal as well as business expenses. This application helps the users to keep a digital diary. It will keep track of a user's income and expenses on a daily basis. The user will be able to add his/her expenditures instantly and can review them anywhere and anytime with the help of the internet. He/she can easily import transactions from his/her mobile wallets without risking his/her information and efficiently protecting his/her privacy. He can see the accurate duration for how long a particular product is being used by him. The monthly, and year-wise comparison of expenditures will be done by the app which will let the user know the area where he is spending the most. The user will be able to see the detailed analyses with the help of graphical visualizations. This project will provide a lot of benefits to the users with the help of which they will be surely able to keep track of each penny. It is time to stop using paper and excel sheets to keep track of your digital as well as cash payments. Using paper is not easy to manage. It is common to delete files accidentally or misplace files. This expense tracker provides

a complete digital solution to this problem. Excel sheets do very little to help in tracking expenses. Furthermore, they don't have the advanced functionality of preparing graphical visuals automatically. Not only it will save the time of the people but also it will assure error-free calculations. The user just has to enter the income and expenditures and everything else will be performed by the system. Keywords: Expense Tracker, budget, planning, savings, graphical visualization of expenditure[6]

Expense Tracker is a day-to-day expense management system designed to easily and efficiently track the daily expenses of unpaid and unpaid staff through a computerized system that eliminates the need for manual paper tasks that systematically maintains records and easily accesses data stored by the user[7]

In existing, we need to maintain the excel sheets, csv etc. files for the user daily and monthly expenses. In existing, there is no as such complete solution to keep a track of its daily expenditure easily. to do so a person as to keep a log in a diary or in a computer, also all the calculations needs to be done by the user which may sometimes results in errors leading to losses. 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.[8]

To avoid Income and Expense calculations and in the same manner to remind a person, we develop an android application which may helpful in all the situations and it can be installed in our android phones. It help us to remind and add some information that what are the income comes from other persons and what are all the expenses or payments we have to pay in specific date or month. In expense tracker we have categories like add expense, expenses of each month, add new expense, view categories of expenses, export expenses in a date range, remove export files, view categories wise expenses.[9]

Modern life offers a plethora of options of services and goods for consumers. As a result, people's expenses have gone up dramatically, e.g., compared to a decade ago, and the cost of living has been increasing day by day. Thus it becomes essential to keep a check on expenses in order to live a good life with a proper budget set up.[10]

REFERENCES:

- [1]C K Gomathy - Expenditure Management System - May 2022
- [2] Saumya Dubey, Pragya Dubey, Rigved Rishabh Kumar, Aaisha Khatoon - Student Expense Tracking Application - May 2022
- [3] Shivam Mehra, Prabhat Parashar - Daily Expense Tracker - December 2021

- [4] Muskaan Sharma, Ayush Bansal, Dr. Raju Ranjan, Shivam Sethi - A Novel Expense Tracker using Statistical Analysis - June 2021
- [5] Atiya Kazil, Praphulla S. Kherade , Raj S. Vilankar, Parag M. Sawant - Expense Tracker - May 2021
- [6] Aman Garg, Mukul Goel, Sagar Mittal, Mr. Shekhar Singh - Expense Tracker - April 2021
- [7] Hrithik Gupta, Anant Prakash Singh, Navneet Kumar and J. Angelin Blessy - Expense Tracker : A Smart Approach to Track Everyday Expense - December 2020
- [8] Namita Jagtap, Priyanka Joshi, Aditya Kamble - A Review on Budget Estimator Android Application - April 2019
- [9] Thanapal Pandi - Income and Expense Tracker - February 2015
- [10] Angad Manchanda - Expense Tracker Mobile Application - October 2012