

V.S.B. ENGINEERING COLLEGE, KARUR
Department of Computer Science and Engineering
IBM NALAIYA THIRAN LITERATURE SURVEY

TITLE: PERSONAL EXPENSE TRACKER APPLICATION

TECHNOLOGY: CLOUD APPLICATION DEVELOPMENT

DOMAIN NAME: BANKING AND FINANCE

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ABSTRACT:

In simple words, personal finance entails all the financial decisions and activities that a Finance app makes your life easier by helping you to manage your finances efficiently. A personal finance app will not only help you with budgeting and accounting but also give you helpful insights about money management. Personal finance applications will ask users to add their expenses and based on their expense wallet balance will be updated which will be visible to the user. Also, users can get an analysis of their expenditure in graphical forms. They have an option to set a limit for the amount to be used for that particular month if the limit is exceeded the user will be notified with an email alert.

INTRODUCTION:

With the launch and increase in sales of smartphones over the last few years, people are using mobile applications to get their work done, which makes their lives easier. Mobile applications comprise various different categories such as Entertainment, Sports, Lifestyle, Education, Games, Food and Drink, Health and Fitness, Finance, etc. This Expense Tracker application falls in the Finance Category and serves the important purpose of managing finances which is a very important part of one's life. The software product went through the design, development, and the testing phase as a part of the Software Development Lifecycle. The application is not much user intensive but just comprises of having them enter the expense amount, date, category, merchant and other optional attributes (taking picture of the receipts, entering notes about the expense, adding subcategories to the categories). With this entered information, the user is able to see the expense details daily, weekly, monthly, and yearly in figures, graphs, PDF format, and can print them as well if a printer is detected or scanned nearby. The aim of this thesis is to provide a solution for users on how to manage finances in any circumstance by keeping track of their expenses daily. Ultimately, this contributes to societal well-being.

LITERATURE SURVEY:

The author describes [1] Mobile applications are top in user convenience and have overpassed the web applications in terms of popularity and usability. They develop a mobile application for the android platform that keeps record of user personal expenses, his/her contribution in group expenditures, top investment options, view of the current stock market, read authenticated financial news and grab the best ongoing offers in the market in popular categories.

The author describes [2] an expense tracker to prevent that calculate income and expenses, as well as to remind someone to keep their expenses in track and also to add some details on how much money comes from other people and what expenses the user have to make on a given date or month. User have categories in the expenditure tracker such as add expense, monthly expenses, add new expense, see categories of spending, export expenses in a date range, remove export files, and view expenses by category.

The author describes [3] that will maintain all the expenses record of users and manage them efficiently. The user can choose an expense category and provide additional information such as a photo, a location, and the amount of the expense, among other things. That will save the information to the local database. The user can examine and sort expenses on a weekly, monthly, or annual basis. The user can enter his income to compute his total daily expenses, and the data will be saved for each individual user. The tracker will make it easier for them to disburse the bill and also show the graph in the chosen view.

The author describes [4] an expense tracker to create a system for recording expenses and income that is simple, quick, and easy to use. Most people are unable to track their expenses and income, resulting in financial difficulties. In this scenario, a daily cost tracker can assist people in tracking their income and expenses on a daily basis, allowing them to live a stress-free life.

REFERENCE:

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2. Gupta, H., Singh, A. P., Kumar, N., & Blessy, J. A. (2020). *Expense Tracker: A Smart Approach to Track Everyday Expense* (No. 4809). EasyChair.
3. Chandini, S., Poojitha, T., Ranjith, D., Akram, V. M., Vani, M. S., & Rajyalakshmi, V. (2019). Online Income and Expense Tracker. *International Research Journal of Engineering and Technology (IRJET)*, 6(3), 2395-0056.
4. Thanapal, P., Patel, M. Y., Raj, T. L., & Kumar, J. S. (2015). Income and expense tracker. *Indian Journal of Science and Technology*, 8(S2), 118-122.

