

# **RMK COLLEGE OF ENGINEERING AND TECHNOLOGY**

**Department of Computer Science and Engineering**

## **IBM NALAIYA THIRAN LITERATURE SURVEY**

**TITLE:** PERSONAL EXPENSE TRACKER APPLICATION

**TECHNOLOGY:** CLOUD APPLICATION DEVELOPMENT

**DOMAIN NAME:** EXPENSE MANAGEMENT

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### **ABSTRACT:**

This study is aimed at developing a cloud-based application capable of monitoring and controlling personal expenses, as well as cautioning the user against reckless and unbudgeted spending. The application allows users to track their expenses daily, weekly, monthly, and yearly in terms of summary, bar graphs, and pie-charts. This mobile application is a full detailed expense tracker tool that will not only help users keep a check on their expenses, but also cut down the unrequired expenses, and thus will help provide a responsible lifestyle. Potential users need to input the required data such as the expense amount, merchant, category, and date when the expense was made. Optional data such as sub-category and extra notes about the expense can be entered as well. It will let you add the savings amount which you had saved for some particular Festivals or day like Birthday or Anniversary.

### **INTRODUCTION:**

As technological innovation develops, numerous Information Technology (IT) based cloud applications are developed to aid individuals and organizations in performing tasks, especially those being carried out on a daily basis. This cloud-based application for tracking daily expenses

aims to automate the record keeping and monitoring of daily expenses. In those days, a costs day book was used to monitor day to day costs, periodic costs and ascertain the financial plan manually. Nowadays, the greater part of the world is utilizing advanced cloud application development. The wide use of these cloud application development technology and their ability to run applications, make a lot of sense in making this application cloud based. The use of this application will among other things help to monitor rate of spending, refresh information and give warning notification among other things.

The availability and increase in use of cloud technology over the last decade clearly indicates that many people are making use of these technologies especially for tasks that require computing capabilities. Managing expenses is important for our rapidly-growing daily life. Gone are the days when one had to sit down with a notepad and a sky-high stack of bills and receipts to figure out one's income, expenses, and overall budgetary plan. These days there are all kinds of spreadsheets and programs that are meant to make one's financial planning a lot easier and more efficient. But, with the shortcoming of carrying laptops around, all these make comprehensive budgeting and tracking measures largely confined.

## **LITERATURE SURVEY:**

The Author describes [1] 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. The iPhone device, designed and marketed by Apple Inc., is one of the top-selling smartphones in the USA, and with the launch of the new iPhone5 on September 21, 2012, whose sales have already surpassed the previous iPhone handsets (iPhone 4S, iPhone4) sales, it is apparent that people have been using smartphones as an organizational tool. XpensTrak, the Expense Tracker Mobile Application was developed for iPhone users to keep track of their expenses and determine whether they are spending as per their set budget. Potential users need to input the required data such as the expense amount, merchant, category, and date when the expense was made. Optional data such as sub-category and extra notes about the expense can be entered as well. The application allows users to track their expenses daily, weekly, monthly, and yearly in terms of summary, bar graphs, and pie-charts. This mobile application is a full detailed expense tracker tool that will not only help users keep a check on their expenses, but also cut down the unrequired expenses, and thus will help provide a responsible lifestyle. An analysis comparing existing expense tracking software with the one being introduced is provided. The Author describes [2] In today's busy and expensive life we are in a great rush to make money. But at the end of the month we broke off. As we are unknowingly spending money on little and unwanted things. So, we have come up

with the idea to track our earnings. Cloud based Expense Tracker aims to help everyone who is planning to know their expenses and save from it. DET is an android app which users can execute on their mobile phones and update their daily expenses so that they are well known to their expenses. Here users can define their own categories for expense type like food, clothing, rent and bills where they have to enter the money that has been spent and also can add some additional information to specify the expense. Users can also define expense categories. Users will be able to see pie charts of expenses. Also, the DET app is capable of clustering. Personal and administration clustering is possible by the use of Apriori algorithm. Although this app is focused on new job holders, interns and teenagers, everyone who wants to track their expenses can use this app. The Author describes [3] To avoid Income and Expense calculations and in the same manner to remind a person, we develop an android application which may be helpful in all the situations and it can be installed in our android phones. It helps us to remember and add some information about what income comes from other persons and what are all the expenses or payments we have to pay on a specific date or month. In the 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.

## **REFERENCE:**

1. Expense Tracker Mobile Application by Angad Manchanda Master of Science in Computer Science, San Diego State University, San Diego, California, United States, 2012
2. Cloud based Expense Tracker by Muskan Aggarwal and Asthha Wahal under the Supervision of Dr. T Poongodi Professor in Bachelors of Technology, Galgotias University, Greater Noida, India.
3. Income and Expense Tracker by P. Thanapal, Mohammed Yaseen Patel, T.P. Lokesh Raj and J. Satheesh Kumar, SITE, VIT University, Vellore, Tamil Nadu, India, 2015.