

**Project Phase II Report**  
**On**  
**Android Based Expense Management App**  
**Submitted for the requirement of Project course**  
**BACHELOR OF ENGINEERING**



**COMPUTER SCIENCE & ENGINEERING**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING CHANDIGARH UNIVERSITY,  
GHARUAN

Supervisor Signature

ER. NISHA RANI

*good efforts*

Co-Supervisor Signature

ER. GAGANJOT KAUR

**PROJECT TEAM INFORMATION**

S NO.	NAME	SECTION	CONTACT
1	ADITYA RAJ	709-B	7004292500
2	ABHISHEK VERMA	709-B	8091768971
3	KARTIK	709-A	9816927088
4	VAISHNAVI MAMIDEPELLI	709-B	7671044022

## **ABSTRACT**

Keep in mind that many people face problems with expense management. So, we took the initiative to build a app for customers which helps in managing the expenses and getting it used at right time, and avoiding unnecessary expenses. Users can set budget on the app. They can easily monitor it through visualized graph. They can search when was expenses over the budget/deadline, it will also tell how much time is needed to neutralize the expenses. This app shows detailed information about expenses on daily basis. This application provides login to the user. They can see their previous and current expenses.

## **TABLE OF CONTENT**

- **Introduction**
- **Literature**
- **Problem definition**
- **Objective**

# INTRODUCTION

As we know the mobile app is rapidly growing all over the globe and people are preferring to use the app that can manage daily task on regular basis on the fingertip, as the app are fast, reliable, and cheap.

Project “Android-Based Expense Managing App” has developed to override all those problems prevailing in the practice of the manual system. This project will help to reduce the hardship faced by the existing system. This is going to be a user-friendly app and anyone can use it without facing any problems. Its design is simple, unique, and user-friendly. When anyone enters the wrong data then error message pop up on the display asking the user to enter the correct details again. The purpose behind is this is to reduce errors in the beginning. This app is reliable, fast, and secure.

## LITERATURE REVIEW

**S. Surekha, G. Swetha, Sri Ram Gowd Vuppala, Arya Vishnu Thotakura, Tejasvi Dasari, R. Imayavaramban & T. C. Jermin** **Jeaunita Android Application for Business Expense Management**

[https://link.springer.com/chapter/10.1007/978-3-030-90119-6\\_21](https://link.springer.com/chapter/10.1007/978-3-030-90119-6_21)

In this paper we have developed a smartphone application that tracks users 'personal expenses'. Recording and reporting all the company expenditures is a cloud-based expense management program. It makes it easier to keep track of any expenditure for more workers in the company where traditional approaches can be of no use and often time consuming. Not only can this program help users handle their expenditures, but it will also help marketing executives organize campaigns according to user needs.[1]

**Shahed Anzarus Sabab; Sadman Saumik Islam; Md. Jewel Rana; Monir Hossain** **eExpense: A Smart Approach to Track Everyday Expense.**

<https://ieeexplore.ieee.org/abstract/document/8628070>

In this paper, we noted that tracking recurring costs is a key component of maintaining a budget. People often track expenses with pen and paper or take notes on their cell phone or computer. This cost storage process requires additional calculations and processing to use this data as a traceable record. In this paper, we propose an automated system called eExpense for storing and calculating these data. eExpense is an application that runs on Android smartphones. This application will help you save money.[2]

**Android Application for Business Expense Management**

[https://link.springer.com/chapter/10.1007/978-3-030-90119-6\\_21](https://link.springer.com/chapter/10.1007/978-3-030-90119-6_21)

In this paper it had been discussed that mobile devices took first place in terms of accessibility and convenience for consumers. There are many solutions in the industry for managing personal and business expenses. In this project, we are developing a smartphone application that tracks a user's personal and private contributions to public spending. Recording and reporting of all company expenses is a cloud-based expense management program. This makes it easier to track costs for more employees in a company, where traditional approaches can be futile and time-consuming. Our applications are designed for the needs of businesses and organizations that require payment by employees and acceptance by business participants with access and approval rights. Customers can use our services to better manage their costs.[3]

**Bogdan IONESCU<sup>1</sup>, Iuliana IONESCU, Laura TUDORAN and Andreea BENDOVSCHI**

[https://www.researchgate.net/profile/Laura-Brad/publication/260083245\\_QUANTIFYING\\_THE\\_ROMANIAN\\_BANKS'\\_PERFORMANCE\\_AND\\_THE\\_IMPACT\\_OF\\_AUDIT\\_INSPECTIONS\\_UPON\\_THEM\\_WHEN\\_IFRS\\_REPORTING\\_STANDARDS\\_IS\\_USED/links/0a85e534000ec1caed000000/QUANTIFYING-THE-ROMANIAN-BANKS-PERFORMANCE-AND-THE-IMPACT-OF-AUDIT-INSPECTIONS-UPON-THEM-WHEN-IFRS-REPORTING-STANDARDS-IS-USED.pdf#page=107](https://www.researchgate.net/profile/Laura-Brad/publication/260083245_QUANTIFYING_THE_ROMANIAN_BANKS'_PERFORMANCE_AND_THE_IMPACT_OF_AUDIT_INSPECTIONS_UPON_THEM_WHEN_IFRS_REPORTING_STANDARDS_IS_USED/links/0a85e534000ec1caed000000/QUANTIFYING-THE-ROMANIAN-BANKS-PERFORMANCE-AND-THE-IMPACT-OF-AUDIT-INSPECTIONS-UPON-THEM-WHEN-IFRS-REPORTING-STANDARDS-IS-USED.pdf#page=107)

The dematerialization of accounting documents and the transfer of some accounting operations to the cloud electronic platform has overcome the research phase, as there are already many companies developing and providing cloud computing-based accounting applications in the Romanian accounting market. This article attempts to test the hypothesis that the cost savings incurred by using cloud-based applications are important enough to be an appropriate criterion when choosing an online accounting solution.[4]

## **PROBLEM DEFINITION**

Managing this (“Android Based Expense Management App”) whole system is seem a little bit tricky and compact but it is part of the User Experience. Managing daily expenses is not an easy task because it’s difficult to keep records of every expenses on daily bases and to keep track of budget on the go. The App user has to note the expenses to keep track on budget and this task going to be carried out through app. This project work will help in money management and will prevent unecessay expenses.

## **OBJECTIVE**

- This software is designed in such a way that anyone can use it and can see detailed info on neccessay and uneccessary expenses. It helps to manage all expenses according to their budget. It also allows quick and easy comparison between current and previous expenses.
- This project targets those people who are concern about their expenses and have tight budget.
- To make the database Secure and better management of data so users can quickly look and respond fast to any change made in their environment.
- To provide correct, complete information about each of the expenses available on the app.
- To make products more efficient way to manage it, which allows the customer to pay less attention than any other manual method.

## **REFERENCES**

- [1] [https://link.springer.com/chapter/10.1007/978-3-030-90119-6\\_21](https://link.springer.com/chapter/10.1007/978-3-030-90119-6_21)
- [2] <https://ieeexplore.ieee.org/abstract/document/8628070>
- [3] [https://link.springer.com/chapter/10.1007/978-3-030-90119-6\\_21](https://link.springer.com/chapter/10.1007/978-3-030-90119-6_21)
- [4] [https://www.researchgate.net/profile/Laura-Brad/publication/260083245\\_QUANTIFYING\\_THE\\_ROMANIAN\\_BANKS'\\_PERFORMANCE\\_AND\\_T  
HE\\_IMPACT\\_OF\\_AUDIT\\_INSPECTIONS\\_UPON\\_THEM\\_WHEN\\_IFRS\\_REPORTING  
\\_STANDARDS\\_IS\\_USED/links/0a85e534000ec1caed000000/QUANTIFYING-  
THE-ROMANIAN-BANKS-PERFORMANCE-AND-THE-IMPACT-OF-AUDIT-  
INSPECTIONS-UPON-THEM-WHEN-IFRS-REPORTING-STANDARDS-IS-  
USED.pdf#page=107](https://www.researchgate.net/profile/Laura-Brad/publication/260083245_QUANTIFYING_THE_ROMANIAN_BANKS'_PERFORMANCE_AND_THE_IMPACT_OF_AUDIT_INSPECTIONS_UPON_THEM_WHEN_IFRS_REPORTING_STANDARDS_IS_USED/links/0a85e534000ec1caed000000/QUANTIFYING-THE-ROMANIAN-BANKS-PERFORMANCE-AND-THE-IMPACT-OF-AUDIT-INSPECTIONS-UPON-THEM-WHEN-IFRS-REPORTING-STANDARDS-IS-USED.pdf#page=107)
- [5] <https://www.w3schools.com/kotlin/index.php>
- [6] <https://www.w3schools.com/java/default.asp>
- [7] <https://developer.android.com/courses>