**PERSONAL EXPENSE TRACKER APPLICATION**

**LITERATURE SURVEY:**

**Introduction**

Daily Expense is a simple application for Android devices. Writing in a user's pocket handbook is as convenient and easy as it is, because of this application, the user will be able to debit the account through his smart phone without any hassle under any circumstances. Users just need to enter revenue and expense as their revenue and speed, and the app calculates it for users. This application is very easy, fast and secure with money calculation and offline mode service.

**Related Works**

We looked through the Google play store and found some apps that are similar to our application but there are some features missing which this type of application need to have. So we combined all the features in our app and added some new features and make it useful with better UI.

Some related works are mentioned below with a short detail:

* Monefy Money Manager [1]: How to track your expenses successfully? We know that it’s easy. You only need to add each expense you do… no more than that! And Monefy is going to help you. Just add new records when you are buying a coffee or taking a taxi. It’s done in one click, because you don‟t need to fill anything except the amount. It has never been so quick and enjoyable!
* Expenses Tracker [2]: Expense Tracker - Money Manager & Budget can quickly and easily track your income and expenses, which will help you avoid making accidental expenses.
* Expense Manager [3]: Expense Manager is simple, intuitive, stable and feature-rich app that is just designed for you. Everything you need at your fingertips to manage the expenditures, chequebook and budgets.

**Comparative Studies**

We have studied some similar applications and find some problem these are not working in offline mode. There are some limitations to their application, which we do not have in our application. In some applications, there are no login and signup options, which is required for the security of a user's information. However, in our application, we have a login and signup which is required for user data security and has a dashboard for monitoring the entire system.

This application is very simple and user-friendly application for the common people. The main goal of the project is to make the system offline and perform more tasks in short period of time.

**Scope of the Problem**

After discussing our application functions and comparing them to other existing applications, some features were found lacking. This is a new application that will attract the public user through its features.

**Challenges**

There are always some challenges. We have to face some challenges as well, since the main purpose of our application is to tracking the user's expense.

* This is an Android-based mobile application, so if a user does not have an Android phone then this application will not help him.
* After getting notifications if a user doesn‟t check his phone for full information then the main motto of this app will be failed.