

PERSONAL EXPENSE TRACKER APPLICATION

Submitted by

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Literature Survey

| S.NO | JOURNAL PAPER | BLOCK DIAGRAM | ALGORITHM/ METHODOLOGY/ SOLUTION | FEATURES | DRAWBACKS |
|------|---|--|---|---|---|
| 1. | Expense Tracker: A Smart Approach to Track Everyday Expense. | <pre> sequenceDiagram actor ADU participant home participant expense participant category participant budget participant database ADU->>home: addExpense() activate home home->>expense: addExpense() activate expense expense->>database: addExpenseDB() deactivate expense ADU->>category: addCategory() activate category category->>budget: viewBudget() deactivate category budget->>database: fetch(data) activate database database-->>budget: data() deactivate database deactivate budget deactivate category deactivate home </pre> | <p>The project can be decomposed in following modules:</p> <p>a) Welcome module: This module is a starting page of this application.</p> <p>b) Main window module: This module is responsible for input the data and store in the database.</p> <p>c) Add amount: This module is responsible to enable the user to add amount in the database.</p> <p>d) Delete expense: This module is responsible for deleting the previous 20 days expenses.</p> <p>e) View Expense: This module is responsible for viewing all the expenses in detail added to the log by the user earlier.</p> | <ol style="list-style-type: none"> 1.Main Window 2.Add Category 3. Category Combo Box 4.Remove Button 5.Add Category Window 6.Calender 7.View Expense Day wise/Category wise Window 8.Menu option 9.Search button 10.Refresh button | <p>Mails and pay mode is not embedded with the app.</p> <p>Backup details will not be recorded on database.</p> |

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| 2. | Development of an Application for Expense Accounting | <pre> graph LR User[User] --- Income[Income] User --- WishList[Wish List] User --- Expense[Expense] Income --- Type1[Type] Expense --- Type2[Type] Income --> Database[(Database)] WishList --> Database Expense --> Database Database --> EditWishList[Edit Wish List] Database --> AddDescription[Add Description] Database --> UpdateData[Update Data] Database --> GetReport[Get Report] Database --> FilterReport[Filter Report] GetReport --> FilterReport </pre> | <p>In this proposed System, User are provided with three options for data entry namely Income, Expense and Wish List. If you select income or expense you would be provide with its types and subtypes. For wish list only items can be inserted. This information would be saved onto database by their particular classification. The saved data can later be changed if the user needs to do as such. Altering here means adding description changing wish list updating data etc. User can also view the result. They can also filter to see the required content only.</p> | <ul style="list-style-type: none"> • User Registration and Creation • Adding Income and Expenses • Category Master • Management View- Date Wise • Management View- Category Wise • Remainder: The user recognition the alert/ready will review the user to add the Income or Expenses at day by day or Certain Period bases on user need. | <p>It doesn't have various options to keep record (for example Food, Travelling Fuel, Salary etc.).</p> <p>Automatically it will not keep on sending notifications for our daily expenditure.</p> |

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| 3. | STUDENT EXPENSE TRACKING APPLICATION | <p>Fig.1 Proposed system for student expense tracker</p> | <p>There are various applications on the play store for managing our expenses and keep records of our spending's. some of the applications are like spend book, pocketwards, home budget etc. The substantial part of these applications aims to take input of money and novels money related problems and learn the expenses by that. This application mainly focuses on tracking the expenses of a student and it works like a digital diary that will help the student to stay away from manually calculating everything using pen and paper. It has categories such as tuition fees, food, clothing, travel, coaching, stationary, hostel fees etc. Here we can se the status of our bills and it is convenient for middle class people.</p> | <p>The is a versatile finance related android application is made to be used on android devices.</p> <p>This android application can be used on all android devices above android version 5.0.</p> <p>It is efficiently prepared to give you the best options for finance planning.</p> <p>The application size is less than 20 MB. It doesn't need any high-end hardware specification.</p> | <p>Cannot merge this application with credit/debit or any of the smart card and will not keep the record of each and every credit and debit.</p> <p>It will not update the details automatically.</p> |

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| 4. | EXPENDITURE MANAGEMENT SYSTEM | <pre> graph TD A[INSTALL THE APPLICATION] --> B[ASK FOR SMS READ PERMISSION (POP-UP)] B --> C{IF THE USER ALLOWS} C -- YES --> D[DISPLAY LIST OF TRANSACTIONS MADE] C -- NO --> F[CLOSE THE APP] D -- ANY NEW TRANSACTION MADE --> E((PIE CHART)) E --> G[TRANSACTIONS CAN BE VIEWED AS PIE CHART FORM] D --> H{WISH TO TURN IT ON FROM THE SETTINGS} H --> F </pre> | <p>Weekly Budget Planner to track their expenses.</p> <p>Automated message Alert is generated when they cross their budget.</p> <p>UPI linkup to track their online transactions.</p> <p>Weekly and Monthly Analysis are generated in the form of pie chart.</p> <p>App Authentication for security of the user.</p> <p>Income, Expenses, and Wish List are the three data entry choices available to the user.</p> | <p>In this proposed system user has more number of added features to the existing features like</p> <ul style="list-style-type: none"> • Weekly Budget Planner • Automated message Alert • UPI linkup • Weekly and Monthly Analysis • App Authentication • Wish list • Rewards | <p>This system is not user friendly because data is not maintained perfectly.</p> <p>Weekly and monthly analysis have errors.</p> |