

# **LITERATURE SURVEY**

## **Sri SaiRam Institute of Technology (Autonomous)**

**DEPARTMENT**

**COMPUTER SCIENCE AND ENGINEERING**

**PROJECT NAME**

**PERSONAL EXPENSE TRACKER APPLICATION**

### **TEAM MEMBERS**

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S.NO	Title, Publication and Authors	Techniques & Mechanisms	Parameter Analysis	Tools	Findings
1	Spending Tracker: A Smart Approach to Track Daily Expense,  Vol.12 No.6 (2021),  UDAY PRATAP SINGH, AAKASH KUMAR GUPTA, DR B.BALAMURUGAN	YNAB and Penny AI	YNAB is an amount tracker that automatically tracks our expenses through our bank account or credit card	Java (Apache Net beans 11.3) and My SQL Workbench.	Have multi-language features. The main feature of this app is that you can track your expense by the mentioning date, month and year.
2	A Novel Expense Tracker using Statistical Analysis,  June 2021  IJIRT   Volume 8 Issue 1   ISSN: 2349-6002,  MUSKAAN SHARMA , AYUSH BANSAL, DR. RAJU RANJAN , SHIVAM SETHI4	Statistical Analysis	In which using excel accounting team designed a Cost Allocation tool 1 in which a spreadsheet is used to allocate the product category both by site and the cooperation and a Cost allocation tool 2 which is a developed to further integrate and allocate cost to identify which manufacturer is profitable to use.	Excel,CAT tool, CSS and xml technologies.	Keep tracking daily expenses and budgeting; B) Save money for necessary expenses which in return will help to plan the future investments.
3	Expense Tracker,  MAY 2021   IRE Journals   Volume 4 Issue 11   ISSN: 2456-8880,  ATIYA KAZI , PRAPHULLA S. KHERADE , RAJ S. VILANKAR3, PARAG M. SAWANT,	Digital record System	Generates a monthly report of the expenses in PDF format.	Angular 8 for front end and SQL Lite for back end.	Users are provided with three options for data entry namely Income, Expense and Wish List. The remainder is set if the type future expense.

4	<p>A Review on Budget Estimator Android Application</p> <p>International Research Journal of Engineering and Technology (IRJET)</p> <p>NAMITA JAGTAP, PRIYANKA JOSHI, ADITYA KAMBLE</p>	Google places AP, Haversine Algorithm	Do not required any GPU support to run this application, the major advantage is when we develop any application using angular ionic framework then it has capability to run on all platforms like android, Ios, windows.	Angular ionic framework.	<p>Firestore Authentication to sign in a user by sending an SMS message to the user's phone. Send a verification code to the user's phone and verify it.</p>
5	<p>Expense Tracker</p> <p>International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 9, Issue 4, September 2020.</p> <p>PROF MIRIAM THOMAS, LEKSHMI P, AND DR. MAHALEKSHMI T</p>	Least Square Algorithm	The least squares method is a statistical procedure to find the best fit for a set of data points by minimizing the sum of the offsets or residuals of points from the plotted curve. Least squares regression is used to predict the behaviour of dependent variables	Net Beans for Java, PHP, HTML5 and JavaScript, Dreamweaver, MySQL(XAMPP)	<p>In this application, there are 3 logins such as admin, manager and staff. Admin has the privilege to add, edit, delete manager, add, edit, delete staff, and to get all custom reports. For Manager, the privileges are to add type of expense, verify expense, add type of income, verify income and generate reports. For staff, the privileges are to add and edit expense, income and calculations, and send for verifications.</p>
6	<p>Student expense tracking application</p> <p>IJARIE-ISSN(O)-2395-4396, Vol-8 Issue-2 2022.</p> <p>SAUMYA DUBEY, PRAGYA DUBEY, RIGVED RISHABH KUMAR</p>	Digital record System and Statistical Analysis	This android application can be used on all android devices above android version 5.0.	Android studio for the front end and Firebase for the backend	The application size is less than 20 MB. It doesn't need any high-end hardware specifications.

7	<p>Expense Tracker Application</p> <p>March 2021  IJIRT   Volume 7 Issue 10   ISSN: 2349-6002</p> <p>VELMURUGAN.R1 , MRS.P.USHA</p>	View Analytics	It also have added a special feature which will distributes your expenses in different categories suitable for the user. An expense history will also be provided in application.	Java, Xml, My SQL	The proposed system should provide different categories for the user to select from and they can enter the amount and mode of payment. This system should be able to analyze the information, provide analytics on which category did the user spent most of their money
8	<p>Expense Tracker : A Smart Approach to Track Everyday Expense</p> <p>Easy Chair Preprint December 25, 2020</p> <p>HRITHIK GUPTA, ANANT PRAKASH SINGH, NAVNEET KUMAR AND J. ANGELIN BLESSY</p>	YNAB and Penny AI, The waterfall model	Have developed the necessary system to work without internet. We need a database, desktop, application and user to use this system.	Java (Apache Net beans 11.3) and My SQL Workbench 8.0 CE	Expense Tracker application have five entities: expense, user, backup, notification, transaction.
9	D2D Expense Tracker Application	YNAB and Penny Techniques	D2D applications provide day by day updates to the user regarding their expenses.	Android Studio, SQ Lite, Java JDK, Eclipse	Provide billing to the user regarding their transactions and Expenses.