Impact of Income and Expense Tracker on Human Life

Shivani Gupta
PG Student, Master of Computer Application,
Shri Ramswaroop College of Engineering and Management Lucknow-226010 Uttar Pradesh

Abstract:- The "Income and Expense Tracker System" is an innovative solution that can help individuals manage their finances efficiently. This system is designed to maintain data on daily, weekly, monthly, and yearly expenses and earnings in a simple and intuitive way. Users can enter their expenses and income by selecting categories, adding other relevant information such as expense date, and saving the information to the local database. The system offers a variety of benefits, including reducing the need for manual calculations and providing users with a detailed view of their expenses. Users can view their expenses by selecting weekly, monthly, or yearly views. The system also allows users to provide their income, which can be used to calculate their total expenses per day. This feature is especially useful for people who want to track their expenses while on a trip or during outings with friends.

The "Income and Expense Tracker System" displays graphs according to the selected view, making it easier for users to understand their expenses visually. The system also allows users to enter their monthly income or monthly expenditure limit, which helps them to track their expenses and stay within their budget.

Overall, the "Income and Expense Tracker System" provides an integrated set of features that can h\elp individuals manage their expenses and income more effectively. The system's intuitive interface and powerful features make it an ideal tool for anyone who wants to stay on top of their finances. The local database ensures that user data is secure, and the system is scalable and efficient thanks to the use of cutting-edge technologies. The system provides an easy-to-use and effective way for people to take control of their finances and achieve their financial goals.

Keywords:- *Add Income, Add Expense, Expenses, Income, User.*

I. INTRODUCTION

In this project we propose a web application known as "Income and Expense Tracker System" which is helpful to manage out income and expense as a daily or periodically or else whenever we want to remind. It also acts as an indicator or reminder example in the fastest world which we cannot able to remember what are the things we have to do for the end of month and what are the payments we have to pay for the particular month. Due to some conflict or some other stress, we forget some times that what are the income or where the money must come from or what the payments we have to pay. For example, like how much it expenses for monthly and what are the expenses for a month. Some of the expensefeatures like food expenses billing expenses like phone, electricity, taxation, and some otherpersonal expenses. In this fast-moving world this web application will be very useful for a people who was a family and especially for a business people. Budgeting is an integral part of the society. Budget Tracking involves recording and analyzing the incomes and expenses of a person or an organization over a particular period. Today, since we are living in a hurry up and get it done society, many people are looking forward to efficient ways to budget their time and money. During the recent years, some research has been carried out on household budget. It has been noted that in most cases, budget management is being done mentally and never being put on paper which makes Budget Tracking very difficult.

II. BACKGROUND STUDY

The idea of developing this project in web platform for user convenience. Because whenever they make expenses immediately, they add in web application. Some of the concerns maintaining a personal expense is a BIG problem, in daily expenses many times we do not know where the money goes. Some of the conventional methods used to tackle this problem in normal circumstances are like making use of a sticky notes by common users, Proficient people deals with this kind of problems by using spreadsheets to record expense and using a ledger to maintains the large amounts data by especially by expert people. As this shows that it is various methods used by different people. This makes using this data contrary. There is still complication in areas like there is no assurance for data compatible, there are chances of crucial inputs can be missed and the manual errors may sneak in. The Data recorders are not always handled, and it could be hectic process to have overall view of those expenses. We believe a handy design and a handy web platform which handles these troubles. Such that platform can record the expenditure and giving broad view with easy to use the user interface and this platform is intelligent enough to shows the history of expenses noted on the platform.

III. EXISTING SYSTEM

The Expense tracker existing system does not provide the user portable device management level, existing system only used on desktop software so unable to update anywhere expenses done and unable to update the location of the expense details disruptive that the proposed system provides. In existing, we need to maintain the Excel sheets, CSV files for the user daily, weekly, and monthly expenses. In existing, there is no as such complete solution to keep a

track of its daily expenses easily. To do so a person as to keep a log in a diary or in a computer system, also all the calculations need to be done by the user which may sometimes results in mistakes leading to losses. The existing system is not user friendly because data is not maintained perfectly. But this project will not have any reminder to remain a person in a specific date, so that is the only drawback in which the remainder is not present. This project will be an unpopulated information because it has some disadvantages by not remind a person for every month. But it can used to perform calculation on income and expenses to overcome this problem we propose the new project.

IV. PROPOSED SYSTEM

The proposed "Income and Expense Tracker System" in Python Django is a software application designed to overcome the limitations of the current manual income and expense tracking system. This system aims to minimize manual calculations and improve accuracy and efficiency by automating the process of income and expense tracking.The proposed system requires users to register and obtain an ID, which will be used to maintain individual records of income and expenses. This system will help users track their daily income and expenses, which can then be displayed in graphs at the end of each week or month. The "Income and Expense Tracker System" will provide a complete record of all income and expenses incurred by the user, giving them a comprehensive view of their financial position.

One of the most significant benefits of using the "Income and Expense Tracker System" is the ability to check the user's profile to determine how much money they have saved and how much income they have earned. With this feature, users can easily monitor their financial performance and make informed decisions regarding their spending habits.Another notable feature of the "Income and Expense Tracker System" is the ability to view full details of income and expenses. This feature allows users to track the sources of their income and identify areas where they may be overspending. Users can also set budgets and track their progress towards meeting their financial goals.The use of

Python Django technology ensures that the "Income and Expense Tracker System" is scalable, efficient, and easy to use. Django is a powerful web framework that allows for rapid development of complex applications, and it provides robust security features that ensure the safety of user data.

In conclusion, the "Income and Expense Tracker System" in Python Django is an innovative solution to the problems associated with manual income and expense tracking. With its intuitive interface, comprehensive reporting features, and robust security, this system provides users with the tools they need to take control of their finances and achieve their financial goals.

V. MODULES

A. User Registration:
The user registration module is the initial step in the project that enables users to create their own accounts, and manage their expenses and income more efficiently.

B. Adding Income and Expenses:
The application provides the option to select income or expense categories, and every user can add their income and expenses accordingly. Each record will include details such as the date of occurrence and information about the item.

C. Category Master:
This module uses SQL Lite to store category and transaction details of expenses and income. The transaction details are stored based on different categories and saved in a SQL Lite database.

D. Management View- Date Wise:
This module allows expenses to be listed based on a specified date. All income and expense details are retrieved and viewed as a list of transaction categories for different expenses.

E. Export the History data – Date wise:
This module enables users to export their transaction history data in Excel format based on a specific date range.
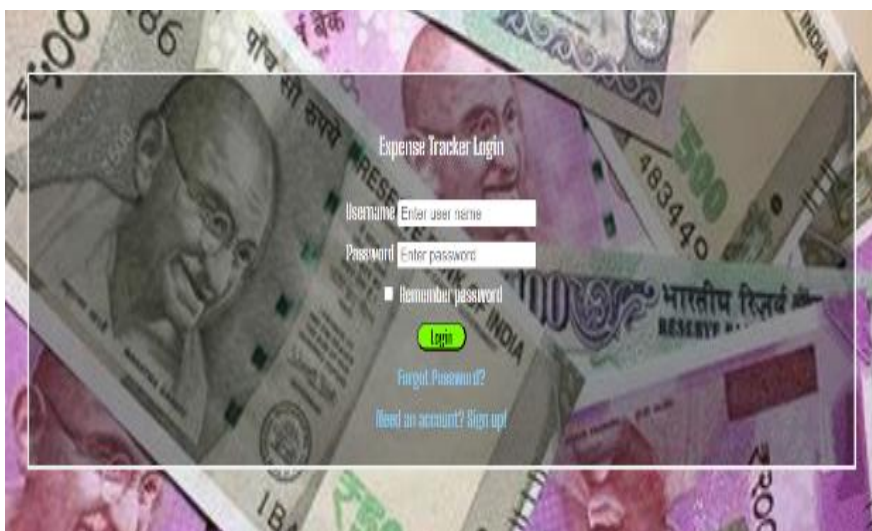
VI. RESULT

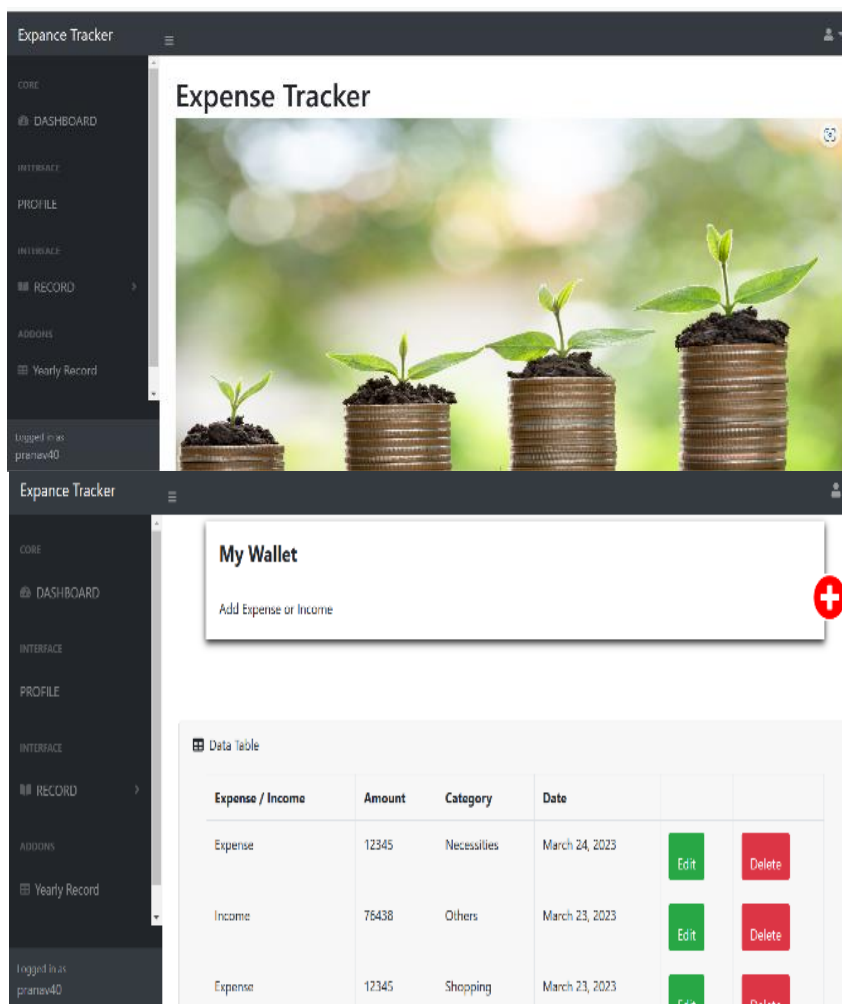Fig.1. User Registration

Fig. 2: Login Page
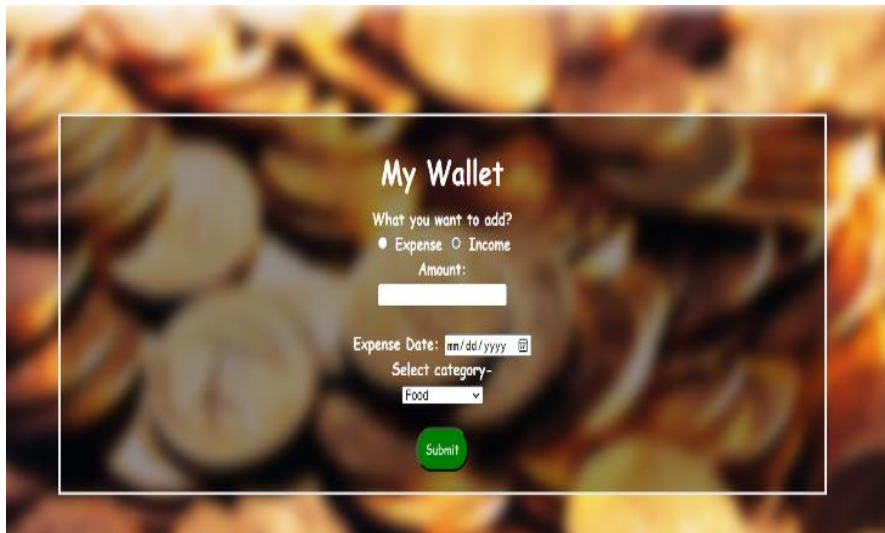

Fig. 3: Dashboard

Fig. 4: Add Income and Expenses

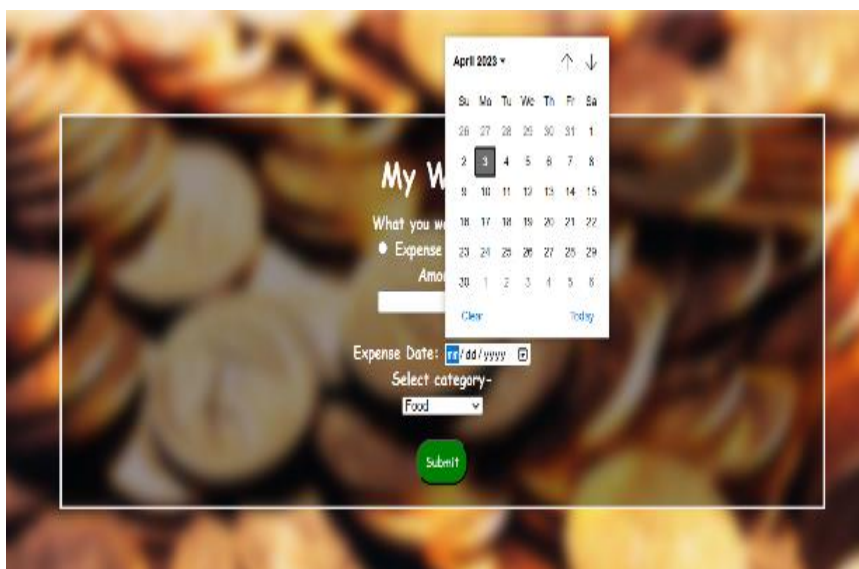
Fig. 5: Category Wise

Fig. 6: Management View-Date Wise
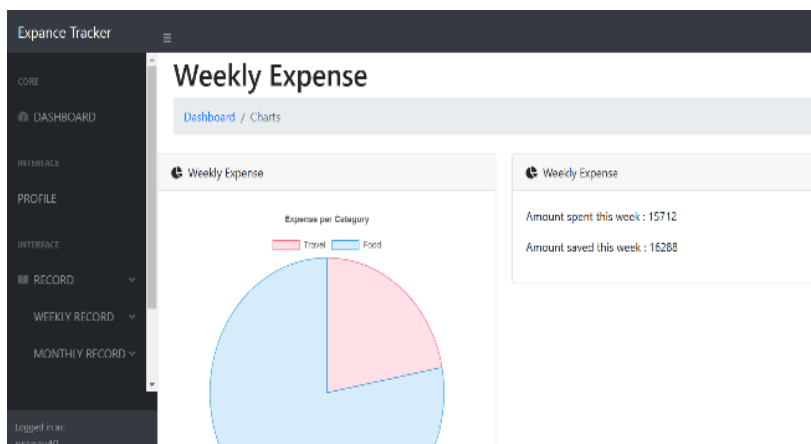
Fig. 7: Weekly Expense

Fig. 8: Monthly Expense

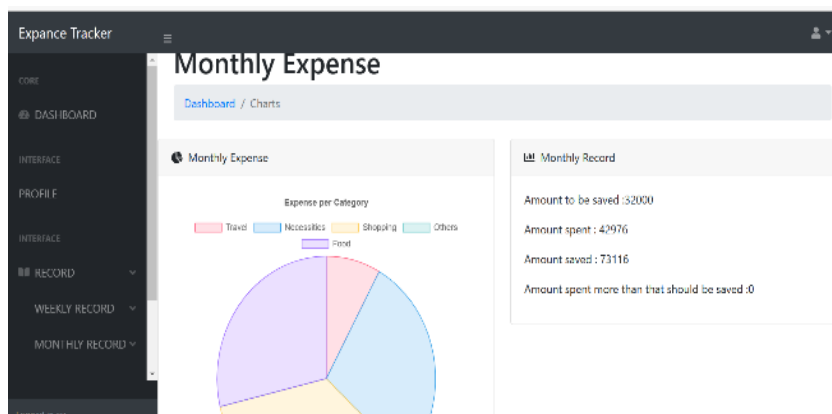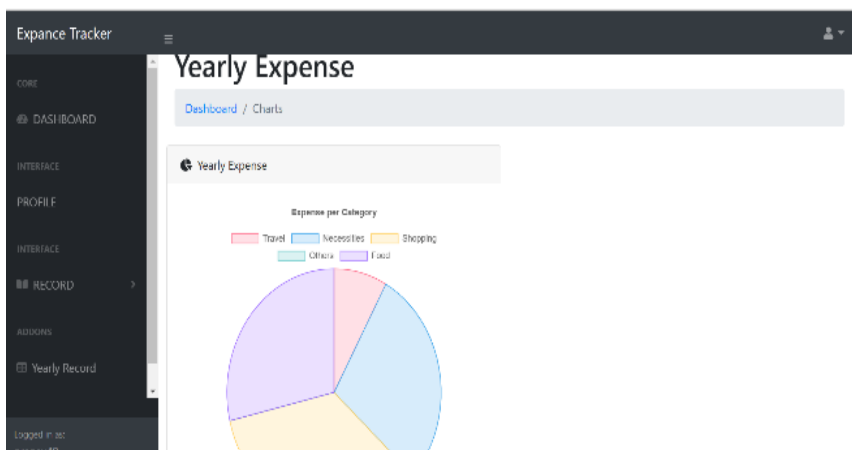

Fig. 9: Yearly Expense

Fig. 10: Export the History data– Date wise

VII. FUTURE SCOPE

In the future scope of"Income and Expense Tracker System" can be further enhanced to include following features:

- Automatically it will keep on sending notifications for our daily expenditure.
- Different type of graph could be prepared based on the Income, Expense details of the user.
- A notification system can be enabled in case when the expenses cross over the income generated by the user to warn him or her about the situation.

VIII. CONCLUSION

Tracking expenses on a daily basis is important for both saving money and setting financial goals. By monitoring where your money is going each month, it becomes easier to identify areas where you can cut back and make compromises to save more money. The income and expense tracker project developed is more efficient than other similar tools in the market, as it eliminates the need for manual calculation of income and expense data each month. The project includes various modules, each of which has been developed to efficiently and attractively display relevant information. The User Creation module allows users to create multiple accounts for different purposes and track their expenses and income individually. The Category Master module stores category details and expense information in a SQL Lite database. The Daily Transaction with GPS Location module stores income and expense details based on different categories, such as savings, transportation expenses, and salaries, in a SQL Lite database with GPS location updates. The Management View- Date Wise and Category Wise modules allow users to view expenses based on specific dates or categories by retrieving and displaying data using SQL Lite queries on their smartphone. Overall, this project is designed to provide an efficient and user-friendly way for individuals to track their expenses and manage their finances more effectively.

REFERENCES

[1.] Expense Tracker Application Velmurugan.R1, Mrs.P.Usha2 1PG Student, Department of Computer Science, Dr.N.G.P Arts and Science College, Coimbatore-641048, Tamil Nādu, India 2Assistant Professor, Department of Computer Science, Dr.N.G.P Arts and Science College, Coimbatore641048, Tamil Nādu, India.

[2.] Y. Anitha, R. Ranjini, S. Gomathi, "Easy App for Expanses Manager Using Android," International Journals of Computer Techniques, Volume: 3 Issue: 2, ISSN: 2394-2231 (MarchApril 2016).

[3.] N. Zahira Jahan MCA, M. Phil, K. I. Vinodhini, "Personalized Expense Managing Assistant Using Android", International Journals of Computer Techniques (IJCT), Volume: 3 Issue: 2, ISSN: 2394-2231 (March-April 2016).

[4.] S. Chandini, T. Poojitha, D. Ranjith, V. J. Mohammed Akram, M. S. Vani, V. Rajyalakshmi, "Online Income and Expense Tracker", International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 3, e-ISSN: 2395-0056, p-ISSN: 2395- 0072 (March 2019).

[5.] P. Thanapal, Mohammed Yaseen Patel, T. P. Lokesh Raj and J. Satheesh Kumar, "Income and Expense Tracker," Indian Journal of Science and Technology, Vol 8(S2), ISSN: 0974-5645 (January 2014).

[6.] Expense Tracker : A Smart Approach to Track Everyday Expense Hrithik Gupta school of computer science and engineering(Galgotias University) Greater Noida ,Utter Pradesh,India hrithik_gupta1.scsebtech@galgotiasuni versity.edu.in Anant Prakash Singh school of computer science and engineering(Galgotias University) Greater Noida ,Utter Pradesh,India anantprakash3987@gmail.com Navneet Kumar school of computer science and engineering(Galgotias University) Greater Noida ,Utter Pradesh,India nk1172947@gmail.com Ms.J.AngelinBlessy school of computer science and engineering(Galgotias University) Greater Noida ,Utter Pradesh,India j.angelin@galgotiasuniversity.edu.inR. E. Sorace, V. S. Reinhardt, and S. A. Vaughn, "High-speed digital-to-RF converter," U.S. Patent 5 668 842, Sept. 16, 1997.