

## **THE EXPENSE TRACKER**

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### **Abstract**

Keeping a log in a diary is a complex process, as it may lead to incorrect calculations when performed manually. And expenses are such a thing, which need to be kept an eye on.. Rather than getting confused with the history of transactions in different applications, why not use a single application for keeping track on all our expenses? We have got the right solution for you! We have come up with a solution called "THE EXPENSE TRACKER". This application will help us in keeping a record of all our expenses at one place and it will distribute the expenses category-wise that is according to the applications that have been used in order to make the transactions and on a daily, weekly, monthly basis. It will generate a report at the end of each month based on our expenses throughout the month. We have also added an additional feature that is known as the "EXPENSE LIMIT". This notifies us that we have reached the limit and are about to exceed the limit as soon as we reach the limit. The expenses will be shown via UPI ID's rather than using the bank accounts. It is made sure that the privacy of the user is not hindered at any cost. Coming to the technology that has been used in this project are, we have used 'React Native' for the Front End of the project and 'Django' for the Back End of the project.

**Keywords**-React Native, Django, Expense Limit, Report, UPI ID, Expense Tracker.

### **I. INTRODUCTION**

An Expense Tracker is an application which helps us in tracking our expenses. They can be daily, weekly, monthly or even on yearly basis. Manual corrections might lead to mistakes sometimes. In order to prevent these, we can use the expense tracker.

The Expense Limit lets the user to set the limit according to their monthly salary. When the user is about to reach the limit, the application notifies the user. It is ensured that a user has his own privacy and all of his information is kept safe.

### **II. LITERATURE REVIEW**

Having a tracker is always useful as it helps us to keep a track of whatever information we want to. Keeping a track on our expenses on a regular basis is very important as well. Everyone takes several measures to keep their hard earned money safe and spend the money carefully. Therefore, the expense tracker lets them track their expenses at any time and from anywhere when they wish to.

A report gets generated on a daily, weekly, monthly basis. This statistical representation helps the user to keep his expenses in a sorted manner. Also, there is a graphical representation which is in the form of a pie-chart. This representation shows the expenses category-wise which are clothes, food, other expenses etc.. The Expense Tracker helps us in keeping together all the transactions made in different payment applications. This helps the user to access all of his transactions at one place in an organized manner. The expenses are shown via UPI ID's rather than using the bank accounts. An additional feature present in this expense tracker is that, it provides an optimized plan for the next month.

### III. MOTIVATION

We all know how important it is to maintain our expenses efficiently. It became even more crucial after the pandemic. In times like these, a help offered in terms of maintaining the expenses would be of a great use. Therefore, we came up with the idea of “The Expense Tracker”. So that everybody who needs a helping hand finds it useful. Especially, the employees and students would get benefitted a lot by using this application. Therefore our expense tracker is here to help the public.

### IV. EXISTING SYSTEM

The Expense Tracker allows the users to maintain a digital automated diary. Each user has to register on the system. At registration time, the user would be provided a unique ID which will be used to maintain the record of each unique user.

### V. PROPOSED SYSTEM

The proposed system collects all the transactions from different payment applications and displays them in this application. Unlike the existing system, the proposed system doesn't ask the user to mention their income. Also the existing system doesn't show a record of the transactions. The proposed Expense Tracker would work efficiently.

### VI. FLOWCHART

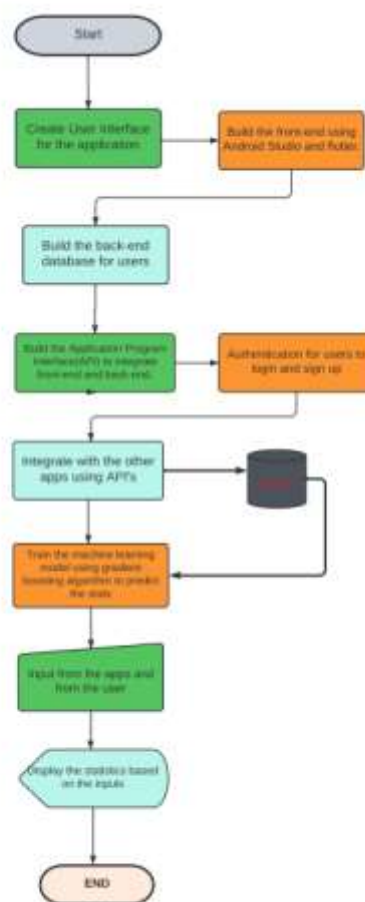


Fig1. A Flowchart of The Expense Tracker

VII. RESULTS



Fig2. The home screen of the Proposed System

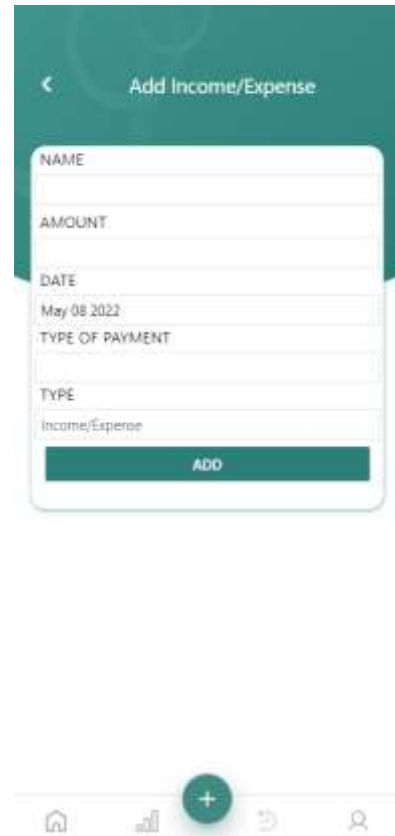


Fig3. This page allows the user to manually add expenses or income



Fig4. The History Page of The Expense Tracker



Fig5. The User Profile Page of The Expense Tracker



Fig6. This Page shows the Statistics category wise.

## VIII. CONCLUSION

We would like to conclude by saying that, this application would prove to be one of the most useful ones for the students staying far away from home and for employees who do not have much time to spend on different applications to keep a track of their expenses. This would make their work much easier as well as less time consuming.

## IX. ACKNOWLEDGEMENT

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## X. REFERENCES

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