

# TINK-HER-HACK

In

Collaboration with Tinkerhub

**TOPIC: Cash Flow Management**

Team name:

# HACK ELITE

Omali S(Team lead) :[omammu311@gmail.com](mailto:omammu311@gmail.com) (9633276748)

Hira Mohammed K :[hira.mohammedk@gmail.com](mailto:hira.mohammedk@gmail.com) (9895776521)

Farha T A :[farhasalam970@gmail.com](mailto:farhasalam970@gmail.com) (9846210921)

Sona Rosa Babloo :[sonarosababloo@gmail.com](mailto:sonarosababloo@gmail.com) (9895588391)

College name: Department of Computer Science, CUSAT

# Problem Statement

- Some of us use mobile apps to check how we spent our money. In day to day life it is very difficult to keep track of our expenses. We usually use paper and pen method or we track down through **“Google pay”** and download transactions to see how we spent monthly expenses.
- So how can we bring our money management to next level?

# Introduction: Cash Flow System

**ESpendy is an application program which helps the user to infer their daily transaction details and financial status in a more visualised and precise manner.**

**Without having contact with the bank physically the app enables the user to include his or her bank statements to be converted to analytical data and make predictions to optimise the usage of money and thus reduce extravagance .**

**This application also forms a one hand platform for analysing the stock market and currency rate details.**

# STRUCTURE:

ESpendy

Sign In

Sign Up

ESpendy

Name

E-mail

Password

Sign Up

ESpendy

E-mail

Password

Sign In

ESpendy

CSV

Upload

Cancel

# Solution

- To digitalize the above issue we are building a pocket friendly method of managing our personal finances.
- We can create a **piggy bank** facility to save money for particular requirements for eg. to buy a car.
- By this cash flow management, we can manipulate our transactions data and create a personalized monthly report of our finances, categorizing expenses in the best way that resonates with you

# User functionalities

- Save towards a goal using piggy bank.
- View income and monthly expenses of various categories as reports.
- Daily expenses limit remainder.
- Easy navigation through account statements.
- Prediction of next week or month expenses.

# Stack to use

- Flutter /JavaScript,CSS and HTML
- Figma
- Python (Streamlit and matplotlib libraries)



# Expected Outcome/Output

- **Login /Signup page:** To sign up onto the application using user id and password.
- **Dashboard:** To navigate through different options provided such as Daily expenses report, Piggy bank, Remainder etc.
- **To display the expense reports:** A **.csv file** is uploaded and side by side the expense chart is generated.
- **Finance related information bar:** A page to show the daily news of current finance related news.

“

By keeping track of our expenses and your income we can budget accordingly and save money.

# Future scope of this project

- To link bank account with this application so that we even do banking services and easily make daily report on our expenses.
- Statistics of usage of finance of a person can be used for marketing while respecting privacy.
- AI predictions are possible.



**Thanks!**