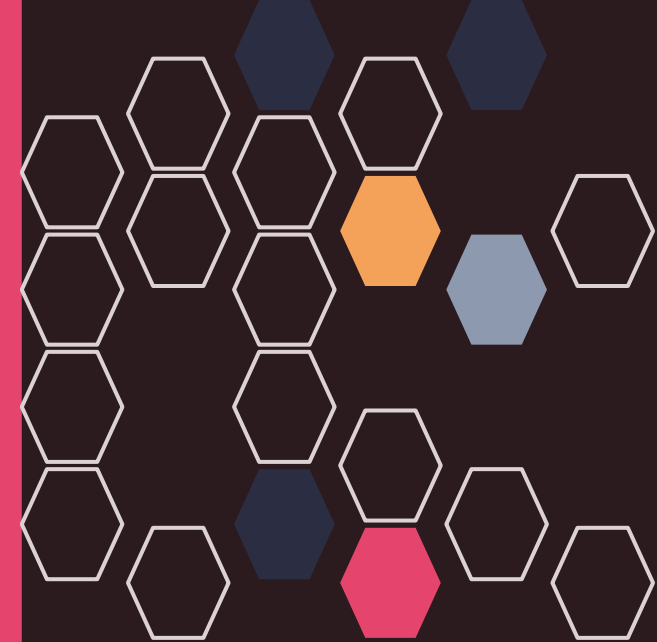


FINAL YEAR PROJECT • B.TECH COMPUTER APPLICATIONS

Expense Tracker with Budget Insights



Personal finance app for students

Aarav Sharma • Diya Patel • Prof. R. K. Mehta • Computer Applications, 2025–26

Agenda

- 01 Introduction
- 02 Literature & Gap
- 03 Proposed System
- 04 Implementation
- 05 Results
- 06 Conclusion



Image

Tracking personal expenses is still handled manually in most places — slow, error-prone and hard to track.

Introduction

- Tracking personal expenses matters to college students every day
- Current methods are manual, slow and hard to scale
- Affordable technology now makes automation practical
- This project builds expense tracker with budget insights as a working prototype

CONTEXT

Most college students we surveyed still rely on paper or spreadsheets for tracking personal expenses.

Objectives

- Automate the core steps of tracking personal expenses
- Give college students a simple, mobile-friendly interface
- Store data securely and generate reports
- Evaluate the system against the existing process



Image

Literature survey

Study	Approach	Limitation
Study A	Rule-based automation	Not adaptive
Study B	Mobile data collection	No analytics
Commercial tools	Full-featured suites	Costly and complex

Representative summaries — replace with your own citations.

System architecture

1 Input

Data captured from users or sensors

2 Process

Core logic validates and analyses

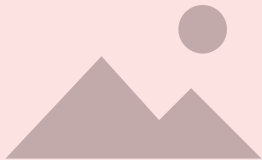
3 Store

Secure database and backups

4 Output

Dashboard, alerts and reports

Block diagram



Block diagram / flowchart

Every module talks through one simple, testable interface.

The system is built in layers: an input layer, a processing service, a database and a dashboard. Each layer can be tested independently, which keeps expense tracker with budget insights simple to maintain and extend.

Project timeline



Implementation snapshots



Image 1

Main dashboard

Overview of live data



Image 2

Data entry

Simple forms with validation

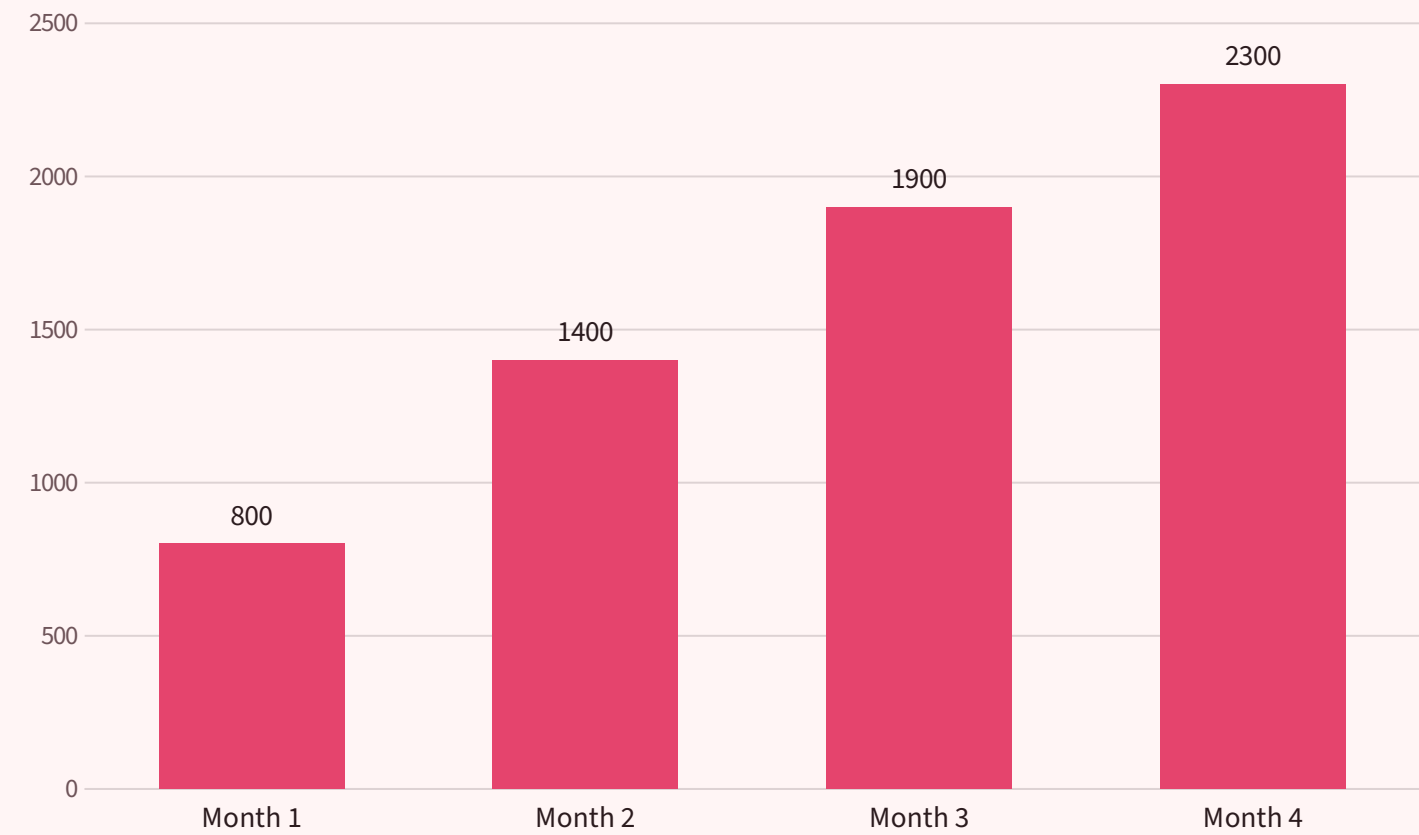


Image 3

Reports

Exportable summaries

Results



Sample data for illustration — replace with your own figures.

2.9×

more monthly savings

The prototype improved steadily over the evaluation period (sample data).

Key outcomes

2.9×

more monthly savings

100%

records digitised

< 1 s

average response

Figures from our test setup (sample data).

Conclusion

- Expense Tracker with Budget Insights meets its main objectives
- Automation saves time and reduces errors for college students
- The design is simple to extend and maintain



Image

Future scope



Mobile app

Native apps for Android and iOS



AI insights

Predictions from historical data

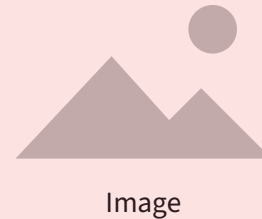


Scale-up

Deploy across more sites

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- [2] B. Author and C. Author, Book Title, 2nd ed. Publisher, 2022.
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Thank you

Questions and suggestions are welcome.

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