



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

DAYANANDA SAGAR COLLEGE OF ENGINEERING

*AN AUTONOMOUS INSTITUTE AFFILIATED TO VTU
APPROVED BY AICTE & UGC, ACCREDITED BY NAAC WITH 'A' GRADE, ACCREDITED BY NBA.*

**Project Synopsis
On**

“Expense Tracker System”

Submitted as a part of the first year (II Semester) mini-project of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING

(DATA SCIENCE)

Submitted by

1DS22CD034	Ravikant Saraf
1DS22CD040	Sai Bighnesh Pradhan
1DS22CD010	Arnav Gupta
1DS22CD049	Shreyash Anindya

Under the guidance of

Dr. Rashmi S

Associate Professor & Incharge HOD, Dept. of CSE(DS), DSCE

2022-2023

TITLE OF THE PROJECT	Expense Tracker System
PROJECT TIMELINE (Tentative Start and End Date)	Jun-Aug 2023
FIELD OF PROJECT	Finance and Money management
OBJECTIVE OF THE PROJECT	To keep a track of monthly expenses made by a person.
PROBLEM STATEMENT	To avoid mismanagement of monthly expenses, income and savings.
INTENDED BENEFICIARIES OF THE PROJECT	By the help of this project, one can : <ul style="list-style-type: none"> • Keep a track of their expenses • Avoid wastage of money on useless items • Get an idea on creating a budget and hence saving money
BASE PAPERS/ RELATED WORK	<p>1)Expense Tracker: Praphulla S. Kherade ; Raj S. Vilankar ; Parag M. Sawant ; Atiya Kazi</p> <p>2) 4th International Conference on Electrical Engineering and Information & Communication Technology (iCEEiCT), “eExpense: A Smart Approach to Track Everyday Expense”, Publisher: IEEE, Conference Location: Dhaka, Bangladesh</p> <p>3) 4th International Conference on Electrical Engineering and Information & Communication Technology (iCEEiCT), “eExpense: A Smart Approach to Track Everyday Expense”,31 January 2019, Publisher: IEEE, Conference Location: Dhaka, Bangladesh</p> <p>4) A Velmurugan, J. Albert Mayan, P Niranjana ,Richard Francis, “Expense Manager Application”, December 2020</p>
SOFTWARE/HARDWARE REQUIREMENTS	Python, MYSQL (DBMS) & Web development(HTML ,CSS).

BACKGROUND OF PROJECT WITH REGARD TO THE DRAWBACK ASSOCIATED WITH EXISTING PROJECT:

The expense tracker system is based on the problem faced by most of us in our daily lives, that is the proper management of our earnings and daily expenses. Sometimes we tend to ignore on keeping a record of our finance, due to which we may overspend on items which is not necessary, which leads to less savings of our money.

This project aims to overcome this issue by keeping a track on our monthly expenses , giving us an insight on the items and services where we have spent money and , giving us a brief insight based on it.

Currently, there do exist projects which are based on expense tracker system, but in many of them there is no proper representation of data or may lack a proper user interface. The project being developed by us will solve this issue and make sure that the user has a great experience while using it.

ABSTRACT:

This project is like a like digital record keeping which keeps the records of expenses done by a user. The application keeps the track of the Income and Expenses on a day-to-day and monthly basis. It takes the income of a user and manage its daily expenses so that the he/she can save money. The expenses has been divided on various categories like food, transport, entertainment, health, shopping, tax etc. By this category you can get an idea on where your money has been spent.

If you exceed your given budget for the month, it will give you a warning, so that you further don't spend much. The application generates report of the expenses, income and taxes at the end of each month. You can also get a graphical representation of the data related to your finances

All this is represented in a beautiful graphical user interface with the help of a webpage made by using HTML and CSS.

PROJECT METHODOLOGY: This project involves the use of database management system (like MYSQL), in order to keep a track of the data used in this project. This is integrated with python to perform actions based on this data.

The project opens up in a web page created using HTML and CSS. It gives a proper user interface experience. In the project, the user has to enter his monthly income, amount of tax he has to pay as the basic information. After these information are given, the user has to daily update his record on how much expense he has made on the given date, and the category of the expense.

At the end of the month, he can get to know about the expenses made by him and a graphical representation of the same. The user, if needed can also get the data related to expenses on a particular date.

A monthly budget can also be set. If the user crosses this monthly budget he would be given a warning for the same. At the end of the month, the difference of the money spent and the budget decided would be termed as saving, which would be useful for the same.

References:

[1] Praphulla S. Kherade ; Raj S. Vilankar ; Parag M. Sawant ; Atiya Kazi, Paper, "Expense Tracker," Iconic Research and Engineering Journals, e-ISSN: 2456-8880, Vol. 4 Issue 11 May-2021

[2] Girish Bekaroo, Middlesex University, UK, Sameer Sunhaloo, "Intelligent Online Budget Tracker", Published in:
https://www.researchgate.net/publication/237448489_Intelligent_Online_Budget_Tracker

[3] 4th International Conference on Electrical Engineering and Information & Communication Technology (iCEEiCT), "eExpense: A Smart Approach to Track Everyday Expense", 31 January 2019, Publisher: IEEE, Conference Location: Dhaka, Bangladesh

[4] A Velmurugan, J. Albert Mayan, P Niranjana, Richard Francis, "Expense Manager Application", December 2020, [Journal of Physics Conference Series](https://www.researchgate.net/publication/347972162_Expense_Manager_Application), published in -
https://www.researchgate.net/publication/347972162_Expense_Manager_Application

2023-24

- 1) Ravikant Saraf-
- 2) Sai Bighnesh Pradhan-
- 3) Arnav Gupta-
- 4) Shreyash Anindya-

Name and Signature of the Students

Signature of Guide with date

Project Coordinators

HOD-CSE (DS)