

**FAKULTI KEJURUTERAAN ELEKTRONIK DAN KEJURUTERAAN KOMPUTER (FKEKK)**

**SEM II SESSION 22/23**

**BENR2822**

**COMPUTER ENGINEERING PRACTICE II**

***ASSIGNMENT***

**PHYTON EXPENSES TRACKER**

***PREPARED BY:***

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1. **Introduction**

The Expense Tracker is a simple yet powerful program that allows users to manage their expenses efficiently. This project offers a practical solution to efficiently manage personal or business spending by utilising the Python programming language and concepts like lists, dictionaries, tuples, files, classes, objects, and inheritance.

The menu-driven Expense Tracker programme lets users easily traverse settings. Users can add new expenses and save their name, amount, and category. When necessary, the programme lets users eliminate expenses. The spending Tracker also lets customers access spending details in a well-organized style. Expense name, amount, category, and other details are displayed. This function simplifies spending review. The Expense Tracker generates expense reports to improve usability. Users can generate detailed spending reports by category, time period, or expense type. These reports help improve financial decision-making by revealing spending habits.

Python principles help structure the code. Lists hold expense data, dictionaries organise and access it, and tuples ensure data integrity. The programme reads and writes expense data from text files, ensuring persistence. Classes, objects, and inheritance demonstrate object-oriented design in the project. It creates class-based expenditure objects. Inheritance lets the programme add more actions and reports to basic cost management.

Overall, the Expense Tracker project simplifies expense management. Users may track, add, delete, display, and report spending using its user-friendly design and full capabilities. The project uses Python's flexible features and an object-oriented approach to solve real-world challenges, making cost management easy for people and corporations.

**2.0 Objectives**

The objectives of the project is to offer a workable way to keep track of expenses, enter new ones, remove old ones, see expense information, and create expense reports.

**3.0 Structure Chart**

**4.0 Flowchart**

**5.0 Sample of Outputs**

**6.0 Discussion**

**7.0 Conclusion**