**SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**

**A**

**PROJECT REPORT ON**

**“PERSONAL FINANCE TRACKER”**

**BY**

**MR.DEOKAR PRANAV [UCS23M1028] MR. GIRI ABHISHEK [UCS23M1046]**

**UNDER THE GUIDANCE OF**

**Prof. S. S. GAWALI**

**Course: Problem Solving using Python Lab**

**Course Code: ESIT136**



**Department of Computer Engineering**

**SANJIVANI COLLEGE OF ENGINEERING KOPARGAON-423603**

**(AN AUTONOMOUS INSTITUTE)**

**2023-2024**



Sanjivani College of Engineering,

Kopargaon-423603

(An Autonomous Institute)

DEPARTMENT OF COMPUTER ENGINEERING

**CERTIFICATE**

This is to certify that the project entitled

**“PERSONAL FINANCE TRACKER”**

Submitted by

**MR. DEOKAR PRANAV [UCS23M1028]**

**MR.GIRI ABHISHEK [UCS23M1046]**

is a bonafide work carried out by students for course **Problem Solving using Python Lab** under the supervision of Prof. S. S. Gawali During the Academic Year 2023-24

**Prof. S. S. Gawali Dr. D. B. Kshirsagar**

[Internal Guide] [ Head of Dept.]

**Signature of Internal Examiner Signature of External Examiner**

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|  | Sanjivani Rural Education Society’s  **Sanjivani College of Engineering, Kopargaon**  (An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune)  **Department of Computer Engineering** |

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| **Name of Course: Problem Solving using Python Lab (ESIT136)** | | | |
| **Roll. No.** | **PRN** | **Name of Student** | **Batch** |
| **28** | **UCS23M1028** | **DEOKAR PRANAV BALASAHEB** | **G-2** |
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| **Project Title :** Personal Finance Tracker | | | |
| Develop a personal finance tracker program that allows users to manage their expenses, track their budget, and analyze spending patterns. | | | |
| **Sr. No.** | **Project workflow Description / Index** | **Dates** | **Remark / Signature** |
| 1 | Installing Anaconda and Python IDE like Jupiter Notebook, Spider. Various online Python editors hands on. |  |  |
| 2 | **Assignment based on variables, operators & operands, expression and conditions, Branching & conditional statements**     - Utilize variables to store financial data such as income, expenses, and budget goals.     - Implement expressions to calculate savings, expenditures, and remaining budget. |  |  |
| 3 | **Assignment based on Control Statements**     - Incorporate conditional statements to provide feedback on spending habits, such as warnings when exceeding budget limits.     - Use branching statements to navigate through different features of the finance tracker, like adding expenses or viewing reports. |  |  |
| 4 | **Assignment based on Function and Sequential Data types**     - Implement functions to modularize code for adding expenses, calculating savings, and generating reports.     - Utilize lists to store transaction history, categorize expenses, and manage budget categories. |  |  |
| 5 | **Assignment based on Advance Data types**     - Use tuples to represent individual financial transactions, including date, amount, and category.     - Implement a dictionary to store budget categories and their corresponding limits. |  |  |
| **Additional Features:**  - Allow users to input their income and set budget goals for different expense categories.  - Provide options to add, edit, and categorize expenses with the date of the transaction.  - Generate reports summarizing monthly spending, savings, and budget adherence.  - Include a simple graphical representation of spending patterns, like a pie chart or bar graph. | | | |
| 6 | **Demonstration** of the Software Implemented by Individual Group |  |  |