A

Project Report On

# Expenses Calculator

Submitted in partial fulfillment of the requirement for the 4th semester

**Bachelors Of Computer Science Engineering**

By

**Isha Kanyal(2061831) Ashwani Kaira(2061783)**

**Anugrah George(2061778)**

**Under the Guidance of – Mr. Ravindra Koranga Name of Faculty – Mr. Ravindra Koranga**



**DEPARTMENT OF SCHOOL OF COMPUTING GRAPHIC ERA HILL UNIVERSITY, BHIMTAL CAMPUS SATTAL ROAD, P.O. BHOWALI,**

**DISTRICT- NAINITAL-263132 2021 - 2022**

## STUDENT’S DECLARATION

I Isha Kanyal (206831), here by declare the work, which is being presented in the project, entitled “Expenses Ca;culator” in partial fulfillment of the requirement for **B.Tech [CSE] 4th semester** as a mini project is an authentic record of my own work carried out under the supervision of GEHU Bhimtal college /company guide name Mr. Ravindra Koranga. The matter embodied in this project has not been submitted by me for the award of any other degree.

Date: 22/01/2022 ……………….

(Full signature of students)

**I**

## STUDENT’S DECLARATION

I Ashwani Kaira (2061783), here by declare the work, which is being presented in the project, entitled “Expenses Ca;culator” in partial fulfillment of the requirement for **B.Tech [CSE] 4th semester** as a mini project is an authentic record of my own work carried out under the supervision of GEHU Bhimtal college /company guide name Mr. Ravindra Koranga. The matter embodied in this project has not been submitted by me for the award of any other degree.

Date: 22/01/2022 ……………….

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**II**

## STUDENT’S DECLARATION

I Anugrah George (2061778), here by declare the work, which is being presented in the project, entitled “Expenses Ca;culator” in partial fulfillment of the requirement for **B.Tech [CSE] 4th semester** as a mini project is an authentic record of my own work carried out under the supervision of GEHU Bhimtal college /company guide name Mr. Ravindra Koranga. The matter embodied in this project has not been submitted by me for the award of any other degree.

Date: 22/01/2022 ……………….

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**III**

## CERTIFICATE

The project report entitled “Expenses Calucaltor ” being submitted by Isha Kanyal (2061831), Ashwani Kaira (2061783), Anugrah George(2061778). To Graphic Era Hill University Bhimtal Campus for the award of bonafide work carried out by him. He has worked under my guidance and supervision and fulfilled the requirement for the submission of report.

(Mr. Ravindra Koranga) Project Guide (CSE Dept.)

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**ANUGRAH GEORGE(2061778) ISHA KANYAL(2061831) ASHWANI KAIRA(2061783)**

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## CHAPTER 1:-INTRODUCTION

### 1.1 Prologue

As students are going through their academics and pursuing their interested courses, it is very important for them to assess their capabilities and identify their interests so that they will get to know in which career area their interests and capabilities are going to put them in. This will help them in improving their performance and motivating their interests so that they will be directed towards their targeted career and get settled in that. Also recruiters while recruiting the candidates after assessing them in all different aspects, these kind of career recommender systems help them in deciding in which job role the candidate should be kept in based on his/her performance and other evaluations. This paper mainly concentrates on the career area prediction of computer science domain candidates.

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### Background and Motivations

A program which asks a list of questions to allow it to calculate how much money the student will have to spend each week. It begins by asking the user to enter how many weeks they will be attending university to allow it to see how long the funds are meant to last. The user will then enter the funds they are expected to receive for the year. The program will give them a print out of approximately they have to spend each week. It will then ask the user how much they attend to spend on essential items. Once the essential items have been taken off if there if anything left it will ask the user to enter how much they would like to spend on other costs. At the end of the program it will print out how much the user has left at the end of the week from their budget**.**

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## CHAPTER 2:- PROPOSED SYSTEM

#### 2.1 History of C++:

History of C++ language is interesting to know. Here we are going to discuss brief history of C++ language.

C++ programming language was developed in 1980 by Bjarne Stroustrup at bell laboratories of AT&T (American Telephone & Telegraph), located in U.S.A. Bjarne Stroustrup is known as the founder of C++ language.

Cpp History 1

It was develop for adding a feature of OOP (Object Oriented Programming) in C without significantly changing the C component.

C++ programming is "relative" (called a superset) of C, it means any valid C program is also a valid C++ program.

It has evolved from humble beginnings to power a large share of today’s digital world, by providing the reliable platform upon which many services and application are built.

#### CHAPTER 3:- S/W AND H/W REQUIREMENTS

**S/W AND H/W REQUIREMENTS**

Processor

Motherboard

RAM – 4 GB DDR4 2133 MHz

Dev C++ or any other opens C++ program compatible software.

# 

#### CHAPTER 4:- DFD (AT least UP to level 2)

A picture containing shape

Description automatically generatedNot available for the project currently.

#### CHAPTER 5:- DATA BASE DESIGN

A picture containing shape

Description automatically generatedNot available the project doesn’t have a database.

#### CHAPTER 6:- ER DIAGRAM

Not Available.

## CHAPTER 7:- CODING OF FUNCTION

CODE:-

Expenses Calculator-

### #include <bits/stdc++.h>

### using namespace std;

### int main()

### {

### 

### vector<int> food;

### vector<int> Travel;

### vector<int> Enter;

### vector<int> Book;

### vector<string> foodreason, travelreason, enterreason, bookreason;

### for (int i = 0; i < 7; i++)

### {

### int a, b, c, d;

### string s1, s2, s3, s4;

### cout << " DAY " << i + 1 << endl;

### cout << "Enter Amount spend in food for and shop were you spent money :" << endl;

### cin >> a;

### cin >> s1;

### food.push\_back(a);

### foodreason.push\_back(s1);

### cout << "Enter Amount spend in Travel for and destination were you spent money :" << endl;

### cin >> b;

### cin >> s2;

### Travel.push\_back(b);

### travelreason.push\_back(s2);

### cout << "Enter Amount spend in Entertainment for and venue were you spent money :" << endl;

### 

### cin >> c;

### cin >> s3;

### Enter.push\_back(c);

### enterreason.push\_back(s3);

### cout << "Enter Amount spend in Books for and Book in which you spent money :" << endl;

### cin >> d;

### cin >> s4;

### Book.push\_back(d);

### bookreason.push\_back(s4);

### cout << endl;

### }

### cout << endl;

### cout << " FOOD" << endl;

### for (int i = 0; i < 7; i++)

### {

### cout << "DAY " << i + 1 << " : Rs " << food[i] << " @ " << foodreason[i] << endl;

### }

### cout << endl;

### cout << " TRAVEL" << endl;

### for (int i = 0; i < 7; i++)

### {

### cout << "DAY " << i + 1 << " : Rs " << Travel[i] << " @ " << travelreason[i] << endl;

### }

### cout << endl;

### cout << " ENTERMAINMENT" << endl;

### for (int i = 0; i < 7; i++)

### {

### cout << "DAY " << i + 1 << " : Rs " << Enter[i] << " @ " << enterreason[i] << endl;

### }

### cout << endl;

### cout << " BOOKS" << endl;

### for (int i = 0; i < 7; i++)

### {

### cout << "DAY " << i + 1 << " : Rs " << Book[i] << " @ " << bookreason[i] << endl;

### }

### cout << endl;

### float sumfood = accumulate(food.begin(), food.end(), 0);

### float sumTravel = accumulate(Travel.begin(), Travel.end(), 0);

### float sumenter = accumulate(Enter.begin(), Enter.end(), 0);

### float sumBooks = accumulate(Book.begin(), Book.end(), 0);

### cout << "Weekly spent on FOOD : " << sumfood << endl;

### cout << "Weekly spent on Travel : " << sumTravel << endl;

### cout << "Weekly spent on Entertainment : " << sumenter << endl;

### cout << "Weekly spent on Books : " << sumBooks << endl;

### cout << endl

### << "Weekly Average Spend = " << (sumfood + sumTravel + sumenter + sumBooks) / 7 << endl;

### }

### CHAPTER 9:- LIMITATIONS

Right now the porgramm is only console based and to calculate the expense of a student we need to run it through Terminal again and again. There is a lot of time wastage in this and there is also data loss for the person .

We are trying to resolve this issue by making the program online and deploying in GUI.

This phase of the development is under testing . Once this is completed this will make the programm more user friendly and interactive .

A screenshot of a computer

Description automatically generated

## CHAPTER 10:-ENHANCEMENTS

We can make the program online and deploy it to a website and add a more feature to it and have a database management for the code.

We are working on deploying the program to a website and add more features. If implemented in the right direction it can be useful for many students who are looking forward to manage their funds.

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## CHAPTER 11:-CONCLUSION

In todays world its very important to manage funds and specially for college students as the money is limited. This is to track the expenses of a student during the whole financial year and manage funds successfully.

Its main goal was to keep us updated and aware of our expenses.

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