

PROJECT REPORT

On

**“ School Billing System in ‘C’ Language ”**

*Submitted By*  
Shreya Varma (CS23078)

**Guided By:- Mrs. Roshani Talmale**



DEPARTMENT OF FIRST YEAR ENGINEERING

**S. B. JAIN INSTITUTE OF TECHNOLOGY  
MANAGEMENT AND RESEARCH,  
NAGPUR.**

## **INDEX**

1. Project Description.....	04
2. Function (Module) Discription .....	05
3. Source Code(Program).....	06
4. Result (Output).....	07
5. Conclusion.....	08
6. References.....	08

## **Project Description**

- o In this School Billing System Project, we learn to use function in C programming language.
- o This School Billing System project enables the user to maintain the billing system in schools and helps to print term reports for students.
- o This system is a simple mini project and compiled in Code::Blocks IDE using Dev C++.
- o So this project helps the biller to calculate the fees he need to charge as the program automatically generates the bill which contains all proper validations and all you need to do is add late fee and it will give you the correct amount.
- o And it also helps the students as there time is saved as we know billing is lengthy process and students need to stand out of the account section for so long.
- o The main objective of making this project is that it saves the time and ease the work of biller and organize the data in proper and in an easy way through which he can access the data as he please.

## **Function (Modules) Description**

I have used the different functions for performing different billing operations in School Billing System. Listed below are some functions which will give you an outline of the project and help you understand it better.

- float calculateTotalBill(float tuitionFee, float additionalCharges) : A function must be declared globally in a c program to tell the compiler about the function name (calculateTotalBill ), function parameters(float tuitionFee, float additionalCharges), and return type(float).
- float totalBill = calculateTotalBill(tuitionFee, additionalCharges : We have called the function calculateTotalBill and declared that it is equal to float totalBill.
- printf( ) : The printf() function is used to display output .
- scanf( ) : The scanf() function is used to take input from users

## **Source Code (Program)**

```
#include <stdio.h>
// Function to calculate the total bill
float calculateTotalBill(float tuitionFee, float latefee, float libfee, float busfee )
{
return tuitionFee + latefee + libfee + busfee;
}
int main() {
// Variables to store student information
char studentName[50]; float
tuitionFee=100000, latefee; float
busfee=30000, libfee=7000; //
Input student information
printf("Enter student name: ");
scanf("%s", studentName);
printf(" \nTuition fee:100000 ");
printf(" \nBus fee:30,000 ");
printf(" \nLibrary Fee:7000 ");
printf("\nEnter Late Fee: ");
scanf("%f", &latefee); //
Calculate total bill
float totalBill = calculateTotalBill( tuitionFee, latefee, busfee, libfee);
// Display student bill
printf("\nStudent Name: %s\n", studentName);
printf("Tuition Fee: %.2f\n", tuitionFee);
printf("Bus fee: %.2f\n", busfee);
printf("Library Fee: %.2f\n", libfee);
printf("Late Fees: %.2f\n", latefee);
printf("Total Bill: %.2f\n", totalBill); return 0;
}
```

## **Result (Output)**

```
C:\Users\Asus\Documents\Prj X + v - □ X
Enter student name: shreya

Tuition fee:100000
Bus fee:30,000
Library Fee:7000
Enter Late Fee: 2300

Student Name: shreya
Tuition Fee: 100000.00
Bus fee: 30000.00
Library Fee: 7000.00
Late Fees: 2300.00
Total Bill: 139300.00

-----
Process exited after 10.02 seconds with return value 0
Press any key to continue . . . |
```

```
C:\Users\Asus\Documents\Prj X + v - □ X
Enter student name: pratik

Tuition fee:100000
Bus fee:30,000
Library Fee:7000
Enter Late Fee: 1300

Student Name: pratik
Tuition Fee: 100000.00
Bus fee: 30000.00
Library Fee: 7000.00
Late Fees: 1300.00
Total Bill: 138300.00

-----
Process exited after 12.69 seconds with return value 0
Press any key to continue . . . |
```

```
C:\Users\Asus\Documents\Prj X + v - □ X
Enter student name: ashish

Tuition fee:100000
Bus fee:30,000
Library Fee:7000
Enter Late Fee: 1305

Student Name: ashish
Tuition Fee: 100000.00
Bus fee: 30000.00
Library Fee: 7000.00
Late Fees: 1305.00
Total Bill: 138305.00

-----
Process exited after 13.93 seconds with return value 0
Press any key to continue . . . |
```

```
C:\Users\Asus\Documents\Pro x + - □ ×
Enter student name: aryan

Tuition fee:100000
Bus fee:30,000
Library Fee:7000
Enter Late Fee: 0

Student Name: aryan
Tuition Fee: 100000.00
Bus fee: 30000.00
Library Fee: 7000.00
Late Fees: 0.00
Total Bill: 137000.00

-----
Process exited after 5.298 seconds with return value 0
Press any key to continue . . . |
```

```
C:\Users\Asus\Documents\Pro x + - □ ×
Enter student name: priya

Tuition fee:100000
Bus fee:30,000
Library Fee:7000
Enter Late Fee: 1235

Student Name: priya
Tuition Fee: 100000.00
Bus fee: 30000.00
Library Fee: 7000.00
Late Fees: 1235.00
Total Bill: 138235.00

-----
Process exited after 18.03 seconds with return value 0
Press any key to continue . . . |
```

## **Conclusion**

We have successfully analysed and studied the project requirements and developed a project of School Billing System in C programming language. School Billing System project has successfully achieved and automating the process of payment collection etc. Through the implementation of this system in C, we have demonstrated our proficiency in programming and problem-solving. This project has not only enhanced our technical skills but also deepened our understanding of software development principles and best practices.

## **References**

1. [www.techcrashcourse.com](http://www.techcrashcourse.com)
2. [Geekforgeeks](http://Geekforgeeks)