

MINI PROJECT

TUTION FEES PAYMENT PORTAL

GROUP MEMBERS

CLASS: I-CSE-'D'

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PROJECT DESCRIPTION

The aim of our project is to design an application for the tuition fees payment of KEC taking our tuition fee bill as sample. The necessary details like Name, Roll Number, Amount to be paid and the information whether the fees is paid or not is pre stored in a binary file. The user is given a menu to operate the application where the user can pay the fees and check their fee payment status. The roll number of the student is taken as the primary input to pay fees. While paying the fees, the student has to pay fine amount if the due date is exceeded. A temporary file stores the data of the student who recently paid the fees. The receipt is printed on the console when the fees payment is successful. The student can also check if they have paid the fees or not. If a student tries to pay again and information is given to the user that fees is already paid for the said roll number.

PROGRAM

```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
#include<string.h>
#include<time.h>
struct stdfees
{
    char roll[9];
    char name[30];
    float feeamount1,feeamount2,feeamount3;
    int feecheck;
}s;
struct date
{
    int year,mon,day;
}dt1={2019,04,30};
void printbill();
void calfine(float *);
int bno=0;
int main()
{
    int i,choice1=-1,fl=0;
    char choice2,rollnum[9];
    FILE *fp,*tp;
    fp=fopen("STDFEES.BIN","rb+");
    if(fp==NULL)
        printf("\nERROR: File Not Open");
    tp=tmpfile();
    printf("%s",53,"KONGU ENGINEERING COLLEGE\n");
    printf("\n%s",58,"COLLEGE TUTION FEES PAYMENT PORTAL\n");
    while(1)
    {
        printf("\n--MENU--\n1.Pay Fees\n2.Check Fees Status\n3.Exit\n");
        menuchoice:
        printf("\n->Enter your preferred menu choice: ");
        scanf("%d",&choice1);
        switch(choice1)
        {
            case 1:
                rollnumber1:
                printf("\n->Enter your Roll Number: ");
                scanf("%s",rollnum);
                for(i=0;i<5;i++)
                {
                    fread(&s,sizeof(s),1,fp);
                    if(!strcmp(s.roll,rollnum))
                    {
                        if(s.feecheck==0)
                        {
```



```

        calfine(&s.feeamount1);
        printf("\nNAME\t\tROLL NUMBER\tAMOUNT
DUE\n%s\t%s\t%f", s.name, s.roll, s.feeamount1+s.feeamount2+s.feeamount3);
        printf("\n->Enter 'y' to confirm payment: ");
        fflush(stdin);
        scanf("%c",&choice2);
        if(choice2=='y')
        {
            printf("\nINFO: Fees Payment Successful\n");
            s.feecheck=1;
            fseek(fp,-sizeof(s),1);
            fwrite(&s,sizeof(s),1,fp);
            fwrite(&s,sizeof(s),1,tp);
            printbill();
            rewind(tp);
        }
        else
            printf("\nINFO: Fees Payment Canceled\n");
        }
        else
            printf("\nINFO: Fees is already Paid\n");
            fl=1;
            break;
    }
    else
        fl=0;
}
rewind(fp);
if(fl==0)
{
    printf("\nERROR: Invalid Roll Number\n");
    goto rollnumber1;
}
break;
case 2:
rollnumber2:
    printf("\n->Enter your Roll Number: ");
    scanf("%s",rollnum);
    for(i=0;i<5;i++)
    {
        fread(&s,sizeof(s),1,fp);
        if(!strcmp(s.roll,rollnum))
        {
            if(s.feecheck==0)
            {
                printf("\nNAME\t\tROLL NUMBER\tAMOUNT
DUE\n%s\t%s\t%f\n", s.name, s.roll, (s.feeamount1+s.feeamount2+s.feeamount3));
                printf("\nINFO: Pay the fees before
30.04.2019\n");
            }
            else
                printf("\nINFO: Fees is already Paid\n");
        }
    }
}

```


SCREENSHOTS

```
KONGU ENGINEERING COLLEGE
COLLEGE TUTION FEES PAYMENT PORTAL

--MENU--
1.Pay Fees
2.Check Fees Status
3.Exit
->Enter your preferred menu choice: 1
->Enter your Roll Number: 18CSR239
NAME          ROLL NUMBER    AMOUNT DUE
BRANK LAMPARD  18CSR239        90000.000000
->Enter 'y' to confirm payment: y
INFO: Fees Payment Successful

                        RECEIPT
Semester: II                      Date: 2/1/2019
Roll Number: 18CSR239             Bill Number: 1

SL. NO.      PARTICULARS      AMOUNT
1            Tuition Fees      75000.000000
2            Book Fees         5000.000000
3            Misc Fees         10000.000000

--MENU--
```

```
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--MENU--
1.Pay Fees
2.Check Fees Status
3.Exit
->Enter your preferred menu choice: 2
->Enter your Roll Number: 18CSR239
INFO: Fees is already Paid

--MENU--
1.Pay Fees
2.Check Fees Status
3.Exit
->Enter your preferred menu choice: 3
Process returned 0 (0x0)   execution time : 218.752 s
Press any key to continue.
```