

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI – 590 018**



**A MICRO PROJECT REPORT ON**

**“Calendar using C”**

**Submitted By,**

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4AL19IS002	ABHISHEK V DODDAGOUDRA
4AL19IS007	ANUSHA T R
4AL19IS012	BRIJESH REDDY K H

**Under the Guidance of**

**Dr.Kiran Malagi**

**Associate Professor**



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**2020 – 2021**

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

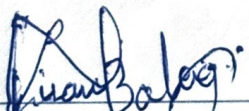
**CERTIFICATE**

This is to certify that the Micro-Project entitled **“Calendar using C”** has been  
Successfully Completed

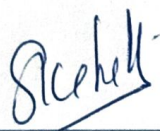
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Mini Project Guide

  
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## ABSTRACT

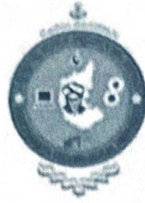
This mini project on **Calendar in C** programming language is a console application without graphics. To make the calendar look colorful, many windows properties have been used in this project. Besides the color used in backgrounds, the days of the month are white and the vacations (Sundays) are indicated using the red foreground color.

In this micro project, you can find out the day corresponding to a given date and view the days and dates corresponding to a particular month and year.

Basically three operations can be done in this calendar application. To find out the day corresponding to a given date, the date, month and year are asked. You can list the days and dates of any month of any year. You can navigate the months using arrow keys, or press 'n' and 'p' keys to view the next and previous months respectively. The third feature of this C mini project on Calendar application utilizes file handling. With this feature, you can add important notes with corresponding dates.

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**A MICRO PROJECT REPORT ON**

**"ELECTION SYSTEM"**

**Submitted By,**

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## **ABSTRACT**

The word “vote” means to choose from a list, to elect or to determine. The main goal of voting (in a scenario involving the citizens of a given country) is to come up with leaders of the people’s choice. Most countries, Kenya not an exception have problems when it comes to voting. Some of the problems involved include rigging votes during election, insecure or inaccessible polling stations, inadequate polling materials and also inexperienced personnel. This online voting/polling system seeks to address the above issues. It should be noted that with this system in place, the users, citizens in this case shall be given ample time during the voting period. They shall also be trained on how to vote online before the election time.



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**A MICRO PROJECT REPORT ON**

**" SNAKE GAME"**

**Submitted By,**

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4AL19IS040	RAGHAVENDRA C V
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## ABSTRACT

The history of the Snake game goes back to the 1970's. However, it was the 1980's when the game took on the look that we will be using. It was sold under numerous names and many platforms but probably gained widespread recognition when it was shipped as standard on Nokia mobile phones in the late 1990's.

The game involves controlling a single block or snakehead by turning only left or right by ninety degrees until you manage to eat an apple. When you get the apple, the Snake grows an extra block or body segment.

If, or rather when, the snake bumps into the edge of the screen or accidentally eats himself the game is over. The more apples the snake eats the higher the score.

Snake game is a computer action game, whose goal is to control a snake to move and collect food in a map. In this project we develop a controller based on movement rating functions considering smoothness, space, and food.

Foods are provided at the several co-ordinates of the screen for the snake to eat. Every time the snake eats the food, its length will be increased by one element along with the score.

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**A MICRO PROJECT REPORT ON  
" Simple Calculator Implementation "**

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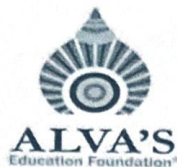


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## **ABSTRACT**

This work was centered on the Design and implementation of a simple scientific calculator for education organization. The study traced calculator system as a tool to completely change mathematical knowledge and sophisticated problems solving strategies had advanced the field of simulated engine in mathematic.

This micro project work also focused principally on numbers and arithmetic operation. This researcher investigated the manual system in detail with a view to finding out the need to automate the system.

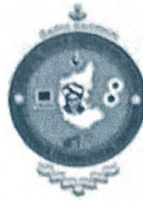
Interestingly, the end result of simple calculator system was its ability to process number and operators, and provides a useful result.

Therefore, this project will help immensely in the following way. Easy calculating of tedious mathematical problems, easy to retrieval of errors and it will also be of a good assistance to any researcher on these topics



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**A MICRO PROJECT REPORT ON**

**" BUS RESERVATION SYSTEM"**

**Submitted By,**

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## **ABSTRACT**

Traveling is a large growing business across all countries. Bus reservation system deals with maintenance of records of details of each passenger. It also includes maintenance of information like schedule and details of each bus.

We observed the working of the Bus reservation system and after going through it, we get to know that there are many operations, which they have to do manually. It takes a lot of time and causing many errors while data entry. Due to this, sometimes a lot of problems occur and they were facing many disputes with customers. To solve the above problem, and further maintaining records of passenger details, seat availability, price per seat, bill generation and other things, we are offering this proposal of computerized reservation system.

By using this software, we can reserve tickets from any part of the world, through telephone lines, via internet. Customer can check availability of bus and reserve selective seats. The project provides and checks all sorts of constraints so that user does give only useful data and thus validation is done in an effective way.

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**A MICRO PROJECT REPORT ON  
" E AUTHENTICATION SYSTEM"**

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## ABSTRACT

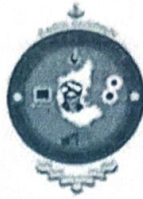
In the proposed scheme, the user can easily and efficiently login into the system. We analyze the security and usability of the proposed scheme, and show the resistance of the proposed scheme to hacking of login credentials, shoulder surfing and accidental login. The shoulder surfing attack can be performed by the adversary to obtain the user's password by watching over the user's shoulder as he enters his password. Since, we have come up with a secure system schemes with different degrees of resistance to shoulder surfing have been proposed.

In order to use this authentication system, user need to first register himself into this system by filing up the basic registration details. After a successful registration, user can access the login module where he/she need to first authenticate the account by entering the email id and password which was entered while registration. Once the email id and password is authenticated, the user may proceed with next authentication section where he/she need to select the type of authentication as QR (Quick Response) Code or OTP (One Time Password). Once the user selects the authentication type as QR Code, then system will generate a QR Code and send it to user's mail id over internet. If user select's OTP, then SMS will be sent on his/her registered mobile number. If the user passes the authentication, then system will redirect to the main page. The QR Code and OTP are randomly generated by the system at the time of login.



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,**

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**A MICRO PROJECT REPORT ON**

**" TYPING TUTOR "**

**Submitted By,**

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## **ABSTRACT**

Typing is the basic command to run a computer and your typing speed plays vital role while working in computer to save time. Here I have presented a Typing Tutor Project in C to measure user's typing speed and to enhance their typing speed. This is a simple console application written in C programming language, and compiled using GNU GCC compiler on Code::Blocks IDE. This project provides certain name as user by default and there a facility to create a new user too. You can enter your name as user. In the project, you can view the total statistics.

The record option in the project is for displaying the data of user which has already used the application. you can view typing speed, accuracy etc. If you want to terminate the program without any use, you can select exit option in the main menu.

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**A MICRO PROJECT REPORT ON**

**" C PHONEBOOK "**

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## ABSTRACT

This **micro project in C Phonebook** allows you to perform simple Phonebook operations like in your mobile. You can add, list, modify, search and delete phonebook-related records. File handling and data structure concepts has been extensively used for almost all functions in this mini project.

The phonebook application works specifically for tracking people. The Phonebook application contains a set of basic functions for adding, searching, updating, and deleting new contacts. This mini-C phonebook design allows you to perform simple tasks in your phonebook, such as mobile phones.



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**A MICRO PROJECT REPORT ON  
" TELECOM BILLING SYSYTEM "**

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## ABSTRACT

With this micro project in C Telecom Billing System, you can perform and manage billing operations like they do in Telecom companies. Here, you can add records with name, phone number, and the amount of payment. You can view, modify, search and delete existing records.

The purpose of the project is to present the requirement of the Computerization of Telephone Billing System. The project thus calculates the telephone bills automatically. It does almost every work which is related to automatic telephone billing connection system via- new connection , customer record modification, viewing customer records & all works related to rate of bills, meter readings in addition to bill calculation and bill generation.

Telephone Billing System is developed as per seeing the increasing requirement to speed up the work and incorporate a new work culture. Thus a new software has been proposed to reduce manual work, improving work efficiency, saving time and to provide greater flexibility and user-friendliness as the system previously followed was totally manual one with lots of errors.

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**A MICRO PROJECT REPORT ON**

**" Simple Result System "**

**Submitted By,**

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## **ABSTRACT**

The main objective of the project is to provide the examination result to the student in a simple way. This project is useful for students and institutions for getting the results in simple manner, and admin gives the privileges to the Teacher and student and the guest user to access the result. Simple Result System is a mini c language project. You can look after the students' marks and can update them anytime. Subject wise marks can be added to the students. The project is simple and easy to use. The whole system is built in C programming language.



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**A MICRO PROJECT REPORT ON**

**" Employee Management System "**

**Submitted By,**

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4AL19IS059

THIRTHA

4AL19IS001

ABHISHEK

4AL19IS005

AMRATHA

**Under the Guidance of**

**Mr. JAYANTKUMAR RATHOD**

**Associate Professor**



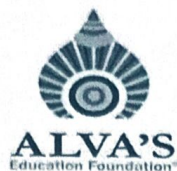
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**2020 – 2021**

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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**DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**  
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This is to certify that the Micro-Project entitled “Employee Management System” has been Successfully Completed by,

4AL19IS054

SHRIHASTHA

4AL19IS059

THIRTHA

4AL19IS001

ABHISHEK

4AL19IS005

AMRATHA

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**Mr. Jayantkumar A Rathod**  
Micro Project Guide

**Prof. Sudheer Shetty**

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## **ABSTRACT**

Employee management system is an application based system, having two applications developed, one for employers to manage employee details and another for employees to mark their attendance. Every organisation whether government or private uses an information system to store data of their staff. Employee Management System is a distributed application, developed to maintain the details of employees working in any organization. It maintains the information about the personal details of their employees, also the details about the payroll system which enable to generate the payslip.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
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**A MICRO PROJECT REPORT ON  
" Library Management System "**

**Submitted By,**

4AL19IS010	BHUVANA
4AL19IS015	GAGAN RAGHAVENDRA
4AL19IS020	LATHESH
4AL19IS025	MAYOORI K BHAT

**Under the Guidance of**

**Mr.Manjunath H R**

**SR.Assistant Professor**



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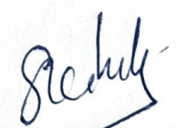
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## **ABSTRACT**

The Library Management System is a type of console-based application without graphics which is developed using c language. The compiler used to make project is code:: Blocks using GCC compiler. The File handling technique is used to store the data of the books in a specific file. You can perform the operations like returning book, storing book and student details, issue book details. In fact, you can do operations like Real Library operations. If you are a beginner in c then this project is for you. Where after executing this program you will get a clear idea about how the operations are done in the library. Here the source code is arranged in such a way that it becomes understandable for user use of commenting is also used for better understanding. After downloading the project you will get a better idea about the working of the project.



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**A MICRO PROJECT REPORT ON  
" Bank Management System "**

**Submitted By,**

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## ABSTRACT

The Bank Account Management System is an application for maintaining a person's account in a bank. This micro project helps to create a new account, update information of an existing account, view and manage transactions, check the details of an existing account, remove existing account and view customers' list. Overall, with this project, you can perform banking activities like in a REAL bank. Bank management mini project in C is a console application without graphics. It is compiled in Code::Blocks with gcc compiler.

This bank management system also allow user to add new customer account, delete account and user can also modify existing user account information. Using this system user can also search any individual account in few seconds. Using our bank management system user can also check any translation in any account. Our system also provide security check to reduce fraud. The system will check the user's existence in the database and provide the set of services with respect to the role of the user.

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**A MICRO PROJECT REPORT ON**

**" Medical Store Management System "**

**Submitted By,**

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4AL19IS036	PREETHI M

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## ABSTRACT

This mini project in C Medical Store Management System is a console application without graphic. In this project, you can add, modify and delete records of customers, suppliers and medicines. You can also search for customer or supplier details and medicines added into stock. Search can be done by medicine id, customer id or supplier name. The source code for this project is large, complete and totally error-free.



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**A MICRO PROJECT REPORT ON**

**" Library Management System "**

**Submitted By,**

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4AL19IS041	RAKSHITH
4AL19IS042	RAKSHITHA R
4AL19IS046	SHARANYA

**Under the Guidance of**

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**Assistant Professor**



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4AL19IS041	RAKSHITH
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**Mr. Pradeep Nayak**  
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## ABSTRACT

The Library Management System is a type of console-based application without graphics which is developed using c language. The compiler used to make project is code:: Blocks using GCC compiler. The File handling technique is used to store the data of the books in a specific file. You can perform the operations like returning book, storing book and student details, issue book details. In fact, you can do operations like Real Library operations. If you are a beginner in c then this project is for you. Where after executing this program you will get a clear idea about how the operations are done in the library. Here the source code is arranged in such a way that it becomes understandable for user use of commenting is also used for better understanding. After downloading the project you will get a better idea about the working of the project.

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**A MICRO PROJECT REPORT ON  
" CRICKET SCORE DISPLAY"**

**Submitted By,**

4AL19IS047      SHEEKHA

4AL19IS051      SHRAVYA

4AL19IS052      SHREYA L

**Under the Guidance of**

**Mr. Jayantkumar A Rathod**

**Associate Professor**



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4AL19IS051     SHRAVYA

4AL19IS052     SHREYA L

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## ABSTRACT

The project entitled "cricket score card system" which is utilized by the user with an update of the cricket even when the user is not watching the match. Each and every match details such as the description about the team and team members will be stored in the repository system in the form of database.

Cricket Score Sheet project is a simple project built using the C programming language. It uses file handling to store various information regarding runs, wickets, overs, extras, and many more. The program can display runs, wickets, names of batsmen and bowlers, overs, extras, economy of bowler, strike rate of batsmen, etc. It also displays the date and time of the game. The source code is complete, error-free and easy to understand.



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
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**A MICRO PROJECT REPORT ON**

**" Implementaion of Quiz Game"**

**Submitted By,**

4AL19IS057

SUDHEEPA POOJARI

4AL19IS061

VAISHNAVI P S

4AL19IS056

SHRUTHI C S

**Under the Guidance of**

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**Sr.Assistant Professor**



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## ABSTRACT

This Quiz Game Project in C is a consoled based application created using c programming language. This system is a simple mini project and compiled in Code::Blocks IDE using GCC compiler. In this project, the user is asked a series of questions and is offered a monetary prize for each accurate answer.

In a quiz game, the questions are chosen to encompass all aspects of a traditional quiz competition. Quizzes on science, technology, movies, sports, general health, geography, and other topics put the user's general knowledge to the test..

Features of Quiz Game in C include modify score – adds the current monetary award received to the previous one when a question is correctly answered.

help – a help menu with an explanation of the game and its rules.

show score – displays the highest score/cash prize earned by a specific user.

show record – displays the highest cash prize won by a specific user show.

score – displays the highest score/cash prize won by a specific user.