B3

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"Contact Management System using C programming"

Submitted By,

Athmashree H A	4AL20CS026
Arav Hanshik	4AL20AI005
Mohammed Bilal	4AL20CS075
Raksha	4AL20CS107

Under the Guidance of

Mr. Pramod V B
Department of Mechanical Engineering

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"Contact Management System using C programming"** has been Successfully Completed by

Athmashree H A	**4AL20CS026**
Arav Hanshik	**4AL20AI005**
Mohammed Bilal	**4AL20CS075**
Raksha	**4AL20CS107**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. Pramod V B
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

In this project, people can do things like create a new contact for a person with their name, phone number, address, and email address. This is where one can find a list of all of the contacts in their contact file. One can also edit the name, phone number, or address of any contact, as well as delete any account. This project is similar to a phonebook or an electronic notebook for keeping track of people's contact information. The only difference is that this is a straight forward C programming console project. The contacts can be sorted by name, address, and email address. The file handling method is used to save the data in the file. We will only be able to comprehend this project after running the source code

B6

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"A project on maintainance of pending works:Qheap SPEEDES"

Submitted By,

Sidrama	4AL20CV024
Shreyas	4AL20AI041
B S Sumukha	4AL20IS008
Sumanth	4AL20CS154

Under the Guidance of

Mrs. Nisha Kumari
Department of Mathematics

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"A project on maintainance of pending works:Qheap SPEEDES"** has been Successfully Completed by

Sidrama	**4AL20CV024**
Shreyas	**4AL20AI041**
B S Sumukha	**4AL20IS008**
Sumanth	**4AL20CS154**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mrs. Nisha Kumari
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

For maintaining its set of pending events in ascending time order, the Synchronous Parallel Environment for Emulation and Discrete-Event Simulation (SPEEDES) now uses the SPEEDES Qheap, a new general-purpose priority queue data structure. For large numbers of elements, empirical tests have demonstrated that this data structure outperforms more standard priority queue data structures without breaking down. The SPEEDES Qheap needs to do two operations: (1) inserting time-tagged events (time denotes an event's priority — low time means high priority) and (2) removing the event with the least time tag. Because events that may generate future occurrences must always be handled in ascending temporal sequence, these activities aid SPEEDES in preserving causality.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"A technique for Cricket Scorecard Management using C"

Submitted By,

Disha Shetty	4AL20CS035
Awez Ahamed	4AL20AI007
Monika L R	4AL20CS080
Ranjith Rajendra Ganiga	4AL20CS112

Under the Guidance of

Ms. Tanvi
Department of Civil Engineering

ALVA'S
Education Foundation®

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"A technique for Cricket Scorecard Management using C"** has been Successfully Completed by

Disha Shetty	**4AL20CS035**
Awez Ahamed	**4AL20AI007**
Monika L R	**4AL20CS080**
Ranjith Rajendra Ganiga	**4AL20CS112**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Ms. Tanvi
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

The Cricket Scorecard Management System is a straightforward project written in the C programming language. This project employs the method of file management, in which data such as runs, player names, wickets, and strike rates are saved in a file. When the project is completed, the welcome screen with the main menu appears first. There will be three options available on the menu: new score sheet, view score sheet, and exit. If user pressed 1, the project will prompt user for the name of the file where the data will be saved. After creating a file, the user begins entering data, which is then saved in the specified file. After user entered his/her data, the software will prompt the user to press 'e' to edit or 'c' to proceed. The departure, which closes the project, is the final choice

B12

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"Bank Management System using C"

Submitted By,

Amrutha Chowdary M	4AL20CS013
Anush L Poojary	4AL20AI004
Karthik Tomar	4AL20CS057
Rahul	4AL20CS106

Under the Guidance of

Dr. Nandini P
Department of Chemistry

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"Bank Management System using C"** has been Successfully Completed by

Amrutha Chowdary M	**4AL20CS013**
Anush L Poojary	**4AL20AI004**
Karthik Tomar	**4AL20CS057**
Rahul	**4AL20CS106**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Dr. Nandini P
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

In this project, one may do things like create a new contact for a person with their name, phone number, address, and email address. This is where one can find a list of all of the contacts in his/her contact file. One can also edit the name, phone number, or address of any contact, as well as delete any account. This project is analogous to a phonebook or an electronic journal, which are used to keep track of people's contact information. The only distinction is that this is a simple C console project. One may sort the contacts by name, address, and email address. The data in the file is stored using the file handling mechanism. Only after running the source code one can be able to comprehend this project

B19

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"C Program based Cyber Management System"

Submitted By,

Brian Thomas John	4AL20CV001
Mohammed Aman	4AL20AI025
Krathika	4AL20EC018
Shobith S Shetty	4AL20CS138

Under the Guidance of

Mr. G. B Vaggar
Department of Mechanical Engineering

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"C Program based Cyber Management System"** has been Successfully Completed by

Brian Thomas John	**4AL20CV001**
Mohammed Aman	**4AL20AI025**
Krathika	**4AL20EC018**
Shobith S Shetty	**4AL20CS138**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. G. B Vaggar
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

To store the data in the file, the project employs the notion of file management. This project makes use of well-known technologies such as multithreading and sockets. The Cyber Management System project will be extremely beneficial to programmers who are just starting out and want to learn how to code. This project is split into two sections, one for the client and the other for the server. Each component has its own set of source codes. The client will allow access to the cyber services for the clients, while the server will handle the settings. The two, namely the server and the client, are in sync with one another. The Cyber Management System's job is to connect the various computers in the Cybercafes so that the user can talk with every computer in the lab. This project is primarily aimed at the multi-client cyber cafe

B21

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI-590 018

A MICRO PROJECT REPORT ON

"School Billing System using C Program"

Submitted By,

Deekshitha S R	4AL20CS034
Ashish P B	4AL20AI006
Mohammed Shoaib	4AL20CS077
Raksha A H	4AL20CS108

Under the Guidance of

Mr. Hemanth S
Department of Mechanical Engineering

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"School Billing System using C Program"** has been Successfully Completed by

Deekshitha S R	**4AL20CS034**
Ashish P B	**4AL20AI006**
Mohammed Shoaib	**4AL20CS077**
Raksha A H	**4AL20CS108**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. Hemanth S
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

The best C programming project is the School Billing System, which is a console-based project with no visuals. This is the greatest time to submit this assignment during our first year of college because it will have an impact on our grades. This project enables us to bill under two different sorts of accounts: one for workers and the other for teachers. During the project's execution, one will not find a single mistake. The school billing system employs file management techniques as well as data structures and functionalities. This will assist us in gaining a better understanding of the C programming language

B27

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"A novel method for Departmental Store Management System"

Submitted By,

Gurulikhith	4AL20CS043
B R Suhaag	4AL20AI008
Pallavi K	4AL20CS088
Rashika	4AL20CS113

Under the Guidance of

Mrs. Nisha Kumari
Department of Mathematics

DEPARTMENT OF BASIC SCIENCES

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"A novel method for Departmental Store Management System"** has been Successfully Completed by

Gurulikhith	**4AL20CS043**
B R Suhaag	**4AL20AI008**
Pallavi K	**4AL20CS088**
Rashika	**4AL20CS113**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mrs. Nisha Kumari
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

The Departmental Store Management System is a graphical-free console-based application written in the C programming language. This programme may be used in any department shop where one can add, modify, search, delete, and show product information. This project also employs the file handling approach, which allows us to save all of the goods data, such as rate, product name, and price, in a single file. The data is saved in the file, and one can access it at any time. The void gotoxy(int x, int y) function is utilised in this project. This feature enables the user to print text from any location on the screen. Because of its length, we haven't mentioned the source code

B32

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI-590 018

A MICRO PROJECT REPORT ON

"A Project for Student Management System"

Submitted By,

Abhishek P	4AL20CS003
Aman Khadirsab Konnur	4AL20AI002
Gourika	4AL20CS042
Rachana Nayak	4AL20CS104

Under the Guidance of

Dr. Ramaprasad A.T
Department of Physics

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"A Project for Student Management System"** has been Successfully Completed by

Abhishek P	**4AL20CS003**
Aman Khadirsab Konnur	**4AL20AI002**
Gourika	**4AL20CS042**
Rachana Nayak	**4AL20CS104**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Dr. Ramaprasad A.T
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

Because of the design employed in this project, the Student Record System is the best of all the projects described above. The file handling approach is used to keep track of student records in a single file. This file serves as a database for this project, allowing us to conduct actions like inserting records, modifying records, searching for records, and deleting records. One of the most appealing aspects of this project is the ability to generate student grade sheets. The console window in this project is divided into two parts: one that is static and does not change, and the other that is dynamic and changes over time. The text is coded in a variety of colours, making it visually appealing. The code is incomplete, and the project will need to be updated. Code was used to create this project. Blocks created with the GCC compiler

B85

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI-590 018

A MICRO PROJECT REPORT ON

"Hangman Game Project using C"

Submitted By,

Ranjana R Shetty	4AL20CS111
Chirag G	4AL20AI010
Prakruth Reddy	4AL20CS096
Rohini M N	4AL20CS117

Under the Guidance of

Dr. Nandini P
Department of Chemistry

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"Hangman Game Project using C"** has been Successfully Completed by

Ranjana R Shetty	**4AL20CS111**
Chirag G	**4AL20AI010**
Prakruth Reddy	**4AL20CS096**
Rohini M N	**4AL20CS117**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Dr. Nandini P
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

The Hangman Game is a very simple project created in C to demonstrate that games can also be created in C. This game project's coding is done in such a way that the user finds the game to be very engaging while playing it. During the development of the project, no graphics, user-defined functions, or user-defined header files were used. The hangman project is designed to be extremely user-friendly. With the help of the GCC compiler, this project is created in the IDE code:: Blocks. When we start the game, we'll be asked to guess one character. The user is given five attempts to guess the characters

B39

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"Library Management System using C Programming"

Submitted By,

Sakshi T U	4AL20CS122
Daksh Uppoor	4AL20AI011
Priyarani AG	4AL20CS101
Ruchita M R	4AL20CS118

Under the Guidance of

Mr. Arjun S Rao
Department of Electronics and
Communication Engineering

ALVA'S
Education Foundation*

DEPARTMENT OF BASIC SCIENCES

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"Library Management System using C Programming"** has been Successfully Completed by

Sakshi T U	**4AL20CS122**
Daksh Uppoor	**4AL20AI011**
Priyarani AG	**4AL20CS101**
Ruchita M R	**4AL20CS118**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. Arjun S Rao
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

The Library Management System is a console-based, non-graphics application written in the C programming language. The compiler used to create the project is code:: Blocks, which is based on the GCC compiler. The file handling approach is used to save book data in a specified file. One can execute actions such as returning books, storing book and student information, and issuing book information. In fact, one can do operations similar to those performed by the Real Library. After running this programme, one will have a good understanding of how the operations in the library are carried out

B42

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"A novel Medical Store Management"

Submitted By,

J A Kishore Kumar	4AL20CV004
Nitin Hemaraj	4AL20AI027
Mokshith	4AL20EC024
Shravan Ravi Shetty	4AL20CS140

Under the Guidance of

Mr. Hemanth S
Department of Mechanical Engineering

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"A novel Medical Store Management"** has been Successfully Completed by

J A Kishore Kumar	**4AL20CV004**
Nitin Hemaraj	**4AL20AI027**
Mokshith	**4AL20EC024**
Shravan Ravi Shetty	**4AL20CS140**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. Hemanth S
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H.O.D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

With the help of the Medical Store Management System Project, one may insert, delete, and edit customer, pharmaceutical, and supplier records that have been added to the stock. This project is a graphics-free console application. This project's source code is extremely long and error-free, and it was created and compiled using the Code:: Block IDE and the MinGW compiler. Because the method of file handling is utilised extensively to save the data in a particular file, this project is quite complete. .The use of Data Structure is also done for storing and organizing the data

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–

590 018

A MICRO PROJECT REPORT ON

"Pacman Game Project using C"

Submitted By,

Sanjana M S	4AL20CS124
Divith R Rao	4AL20AI014
Rekha M S	4AL20CS115
S Vishwesh Nayak	4AL20CS120

Under the Guidance of

Mr. Pramod V B
Department of Mechanical
Engineering

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"Pacman Game Project using C"** has been Successfully Completed by

Sanjana M S	**4AL20CS124**
Divith R Rao	**4AL20AI014**
Rekha M S	**4AL20CS115**
S Vishwesh Nayak	**4AL20CS120**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. Pramod V B
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

The snake game in this project resembles Pacman to some extent in that it will be driven along a predetermined course. The Pacman eats or erases the specified blue path as he moves along it. The more you eat the path, the higher your score will be. This game application is simple to use and gives the impression of playing the genuine game. This project is a console-based programme aimed at providing amusement. With the help of the GCC compiler, this project was created in the C language utilising code

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–

590 018

A MICRO PROJECT REPORT ON

"Network Monitoring System to perform real-time monitoring"

Submitted By,

Bhuvan M	4AL20CS030
Gagandeep M Donkannavar	4AL20CS040
Adith P Kotian	4AL20CS006
Aishwarya A P	4AL20EC001

Under the Guidance of

Mr. Hemanth S
Department of Mechanical Engineering

ALVA'S
Education Foundation®

DEPARTMENT OF BASIC SCIENCES

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"Network Monitoring System to perform real-time monitoring"** has been Successfully Completed by

Bhuvan M	**4AL20CS030**
Gagandeep M Donkannavar	**4AL20CS040**
Adith P Kotian	**4AL20CS006**
Aishwarya A P	**4AL20EC001**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. Hemanth S
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

The local administrator can use the Network Monitoring System to perform real-time monitoring, data collecting, data analysis, and transfer. Administrator has options for new user registration, updating and deleting user accounts, enabling or disabling user accounts, time allotment of users, viewing system details of any user, viewing hardware and software defects in any system connected through the network, capturing the system of any user using his system, detecting network failure, and accessing full control of any user at any time. When an administrator discovers that a user is engaging in illegal behaviour, he can suspend or terminate that user's account.

B60

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI-590 018

A MICRO PROJECT REPORT ON

"TELEPHONY APPLICATION USING PROGRAMMING INTERFACE"

Submitted By,

Monika D B	4AL20EC025
James Joseph	4AL20CS052
Monisha M	4AL20CS081
Mohammed Sharfuddin	4AL20EC023

Under the Guidance of

Mr. G. B Vaggar
Department of Mechanical Engineering

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"TELEPHONY APPLICATION USING PROGRAMMING INTERFACE"** has been Successfully Completed by

Monika D B	**4AL20EC025**
James Joseph	**4AL20CS052**
Monisha M	**4AL20CS081**
Mohammed Sharfuddin	**4AL20EC023**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. G. B Vaggar
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

This project Telephony Application Using Programming Interface (TAPI) allows applications to control telephony functions between a computer and telephone network for data, fax, and voice calls. It includes basic functions, such as dialing, answering, and hanging up a call Call someone by clicking on their picture or other image Use a similar graphical user interface (GUI) to set up a conference call and then attend the call at the scheduled time, See who you're talking to individually or at a conference call, Add a voice note to an e-mail note you send or listen to a voice note attached to an e-mail note you receive, Program your computer to automatically receive phone calls from certain numbers (but not from others), Send and receive faxes, Do these things from a portable wireless cellular telephone telephone/computer as well as from a desktop computer.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"Calendar Project using C language"

Submitted By,

Shishira S Shetty	4AL20CS134
Keerthna K	4AL20AI020
Salam Marin Singh	4AL20CV020
Shama	4AL20CS128

Under the Guidance of

Mr. G. B Vaggar
Department of Mechanical Engineering

ALVA'S
Education Foundation®

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation®

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"Calendar Project using C language"** has been Successfully Completed by

Shishira S Shetty	**4AL20CS134**
Keerthna K	**4AL20AI020**
Salam Marin Singh	**4AL20CV020**
Shama	**4AL20CS128**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. G. B Vaggar
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

This Calendar application can basically perform three major tasks: determining the day that corresponds to a given date, month, and year; and determining the day that corresponds to a given date, month, and year. After one runs the code, navigate using the arrow keys on your keyboard. Next should be pressed with the key 'n,' and prior with the key 'p.' The utilisation of the file-handling technique is one of the most appealing parts of this programme. With the help of this great feature, one may add important notes to certain dates. The calendar programme is primarily based on a console with no graphics. The month's days are highlighted in white, while Sundays are highlighted in red.

B13

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"APP TO TRACK THE MOVEMENT OF BUS"

Submitted By,

Likhitha K M	4AL20IS021
Likhith C G	4AL20CS065
Siddharth S Sonavane	4AL20CS148
Srujan	4AL20EC056

Under the Guidance of

Mr. Pramod N
Department of Mechanical Engineering

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

2020–2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled "APP TO TRACK THE MOVEMENT OF BUS" has been Successfully Completed by

Likhitha K M	4AL20IS021
Likhith C G	4AL20CS065
Siddharth S Sonavane	4AL20CS148
Srujan	4AL20EC056

The bonafide students of Department of Basic Sciences, Alva's Institute of Engineering and Technology, affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI, during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. Pramod N
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

Many people in the society travel through public transportation mainly buses. To track the distance between the user and bus and time required for bus to reach the bus stop can be obtained through GSM. By using advanced technologies such as RS232 serial communicator, MAX232 IC. The detailed explanation is given in the paper