

PURBANCHAL UNIVERSITY



KIST COLLEGE OF INFORMATION TECHNOLOGY

1ST SEMESTER PROJECT ON

“NEPAL CITIZENSHIP RECORD SYSTEM”

In the partial fulfillment for the requirement of the 1st Semester Project-I (Subject Code-BIT 175CO) in the Completion of Bachelor of Information Technology (BIT) degree at KIST College of information and Technology, under Purbanchal University.

SUBMITTED BY

Binod Dangal S.N:- 313856
Sadikshya Shrestha S.N:-313871
Shankar Shrestha S.N:-313878

SUBMITTED TO

PURBANCHAL UNIVERSITY

Date: 2074/02/19

Acknowledgement

We take this opportunity to express our profound appreciation and unfathomable regards to the Information Technology (IT) department for this commendable guidance, monitoring and constant encouragement throughout the course of this project. The help and guidance given by shall carry us a long way, in the journey on which we are about to embark.

We also take this opportunity to express a deep sense of gratefulness to Mr. Deepak khadka for his amiable support, valuable information and guidance, which helped us in completing this task throughout its various stages. We also want to thank our coordinator Mr. Deepak Khadka who helped us a lot during the complete project by giving us his precious time. We are also indebted to all members of KIST College, for the valuable suggestions and help provided by them in their in their respective fields. We are grateful for their cooperation during the period of our project.

Finally we would also like to express lots of thanks to PURBANCHAL UNIVERSITY for designing such a wonderful course structure. It will help us to get more knowledge in the field of Information Technology & help us to have a bright future in the field of technology.

We hope our University will accept this attempt as a successful project.

Student's Declaration

We following students, hereby declare that the Project Report titled

"CITIZENSHIP RECORD SYSTEM" is a result of our own work and our indebtedness to other work publications, references, if any, have been dully acknowledged. If we are found guilty of copying any other report or published information and showing as our original work, we understand that we shall be liable and punishable by Purbanchal University, which may include fail in examination, 'Repeat study and re-submission of the report' or any other punishment that Purbanchal University may decide.

We further certify that this Project submitted in partial fulfillment of the requirement for the award of Bachelor in Information Technology (BIT) of the Purbanchal University is our original work and has not been submitted for award of any other degree or other similar title or prizes.

S.N	NAME	Symbol No.	Signature
1	Binod Dangal	313856	
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Date: 2074/02/19



Examiner's Certification

This is to certify that the project entitled " **CITIZENSHIP RECORD SYSTEM** " has been successfully completed by

S.N	NAME	Symbol No.
1	Binod Dangal	313856
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in partial fulfillment of Degree of Bachelor of Information Technology of Purbanchal University during the academic year 2017 under the guidance of Mr. Deepak khadka.

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Department of Science and Technology
KIST College of Information Technology
PURBANCHAL UNIVERSITY

To Whom It May Concern

This is to certify that Mr. Binod Dangal , Ms.Sadikshya Shrestha and Mr.Shankar Shrestha of Bachelor in Information Technology (BIT) has studied as per the curriculum of BIT 1st semester and completed the project entitled “CITIZENSHIP RECORD SYSTEM”. This project is the original work of that Mr.Binod Dangal , Ms.Sadikshya Shrestha and Mr.Shankar Shrestha was carried out under the supervision as per guidelines provided by Purbanchal University and certified as per the student’s declaration that project Bus Reservation System has not been presented anywhere as a part of any other academic work.

The details of the student are as follows:-

S.N	NAME	Symbol No.
1	Binod Dangal	313856
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1. BACKGROUND

I. Abstract of the project

The “CITIZENSHIP RECORD SYSTEM” undertaken as a project based on relevant technologies. The main purpose of this project is to develop software for government to provide citizenship digitally. This project has been developed to carry out the processes easily and quickly, which is not possible with the manual system. This project is developed using c language, and is meant for recording citizen’s record, providing digital citizenship, getting instant information on citizens and update. We have made this project interactive and easy to use. We have mainly focused on different types of problem that occur in normal citizen’s record system. This project improves the performance of a government organization by reducing time and improving the quality of services and related processes. Thus it provides the complete solution for the current traditional system.

As we beginners and have no practical experience in the field of software development and moreover the Citizenship Record system is very wide. So, we limit the scope of our project by computerizing the following field of the citizen record system:

- Available citizens record
- Providing digital citizenship
- Update citizens record

II. Introduction

Citizenship is the status of a person recognized under the custom or law as being a legal member of a sovereign state. It is considered the most important formal legal document and it is often a prerequisite for obtaining other identity documentation. Without citizenship, individuals cannot register on the voter's list, register marriage or birth, buy or sell land or property, take professional exams, open bank accounts, etc. it allows a citizen to exercise his/her right and claim for state protection and social benefits.

The term "citizenship Record system" includes the management of citizen's information and provide digital citizenship certificate to citizen. Nowadays management of citizen's information is done by the manually which takes a lots of time. We need to filled up paper form and need to go different department to take authority of them and suffer from long queue to submit documents. It is too difficult to get citizenship certificate. To overcome from this problem citizenship record system will help. After implementing this system people can get service easily on time.

III. Objectives

The major objectives of citizenship record system are:-

- To build integrated information database of the citizen.
- To make recording process standard, much easier and more effective in order to meet the satisfaction level of the people make the task much efficient.
- Provide facility for identification and verification services through a digital citizenship certificate.
- To get easiness in task and reduce the paper work by computerization.
- To enhance accuracy in work and save time
- To remove data redundancy and will be fast in operation.
- Guarantee the security and confidentiality of information.

Iv. Future Implementation For the Project

All these result of future of project are in high citizen satisfaction. A future application of this system lies in fact that the proposed system would remain relevant in future. Though we have not included a full citizenship record system in this project but we will be trying to make it more advance by including all those material required for a full citizenship record system. It is necessary to see and visualizes the future scope. Future enhancement is necessary for the system as the limitations that cannot be denied today, can be overcome by better technologies. The project has a very fast scope in future.

The following are the future scope for the project:

- Build an integrated information database of the citizen.
- Making software as a Web application such that the program can be used anywhere and anytime.
- Efficiency can be further enhanced and boosted up to a great extent by introducing the database and provide security feature in the future.
- We can also make the project more attractive by introducing Graphical User Interface.
- Automatic and error free report generation with ease.

v. Process in the Project Use

This software is made to be used by Front desk officer like citizenship record officer and management team. The user cannot use the software unless he/she provides the username and password. Once the admin login he/she can see all the fields and their detail information and can easily access all the fields. There are different field each holding different data and information such as citizen's information.

VI. Introduction to software/language used

C programming language was developed in 1972 by Dennis Ritchie at AT&T Bell Lab, USA. It is a very robust, machine independent, general purpose, concise programming language. C combines the capabilities of an assembly language with the features of high level language and therefore it is suitable for writing both system software and application software. C being successor of BCPL, it has all the major advantages of high level programming language like machine independence and easy to learn and implement.

2. SYSTEM RECOMMENDATION

The minimum requirements for system are:

I. HARDWARE

- PC with intel i3 core processor or latest
- 32 MB of RAM or more
- Color monitor
- Hard disk with at least 50 MB of free space

II. SOFTWARE

Operating software	Windows XP, Windows 7,8,10, Linux
Compiler	Turbo C++,Code Block
Programming language	C language

3. PROBLEM FACED

The main problem faced while developing this software are as follows:

- Complexity on coding and designing.
- Difficulty in using and understanding different tools.
- Due to lack of different features and tools in our software we were unable to make our project effective and attractive.
- As we are not familiar with the procedure oriented programming in c language , at first it was very difficult for us to understand its working style and different features use in it.

4. SYSTEM DESIGN

A. Algorithm

The system consists of different sets of algorithm:

Step 1: START

Step 2: check username and password.

Step 3: program opens the main menu Registration, View All, Searching, Deleting, Editing, About Us, Contact Us, Exit program.

Step 4: Registration, Condition 1 program shows the option as:

Age, Roll Number, First Name, Last Name, Mother Name, Mother Last Name, Gender, Date Of Birth, Marital Status, Place Of Birth, Mobile Number, Occupation, Address.

Step 5: Searching, condition 3 program shows the option as:

Enter the roll number of the person that you want to search.

Step 6: Deleting, Condition 4 program shows the option as:

Enter the roll number of the person that you want to delete.

Step 7: Editing, condition 5 program shows the option as:

Enter the roll number of the person that you want to edit, the program shows the option as:

- 1) Edit roll number
- 2) Edit ID number
- 3) Edit Name
- 4) Edit Mother Name
- 5) Edit Gender
- 6) Edit Date Of Birth
- 7) Edit Age
- 8) Edit Marital Status
- 9) Edit Place Of Birth
- 10) Edit Mobile Number
- 11) Edit Occupation
- 12) Edit Mobile Number

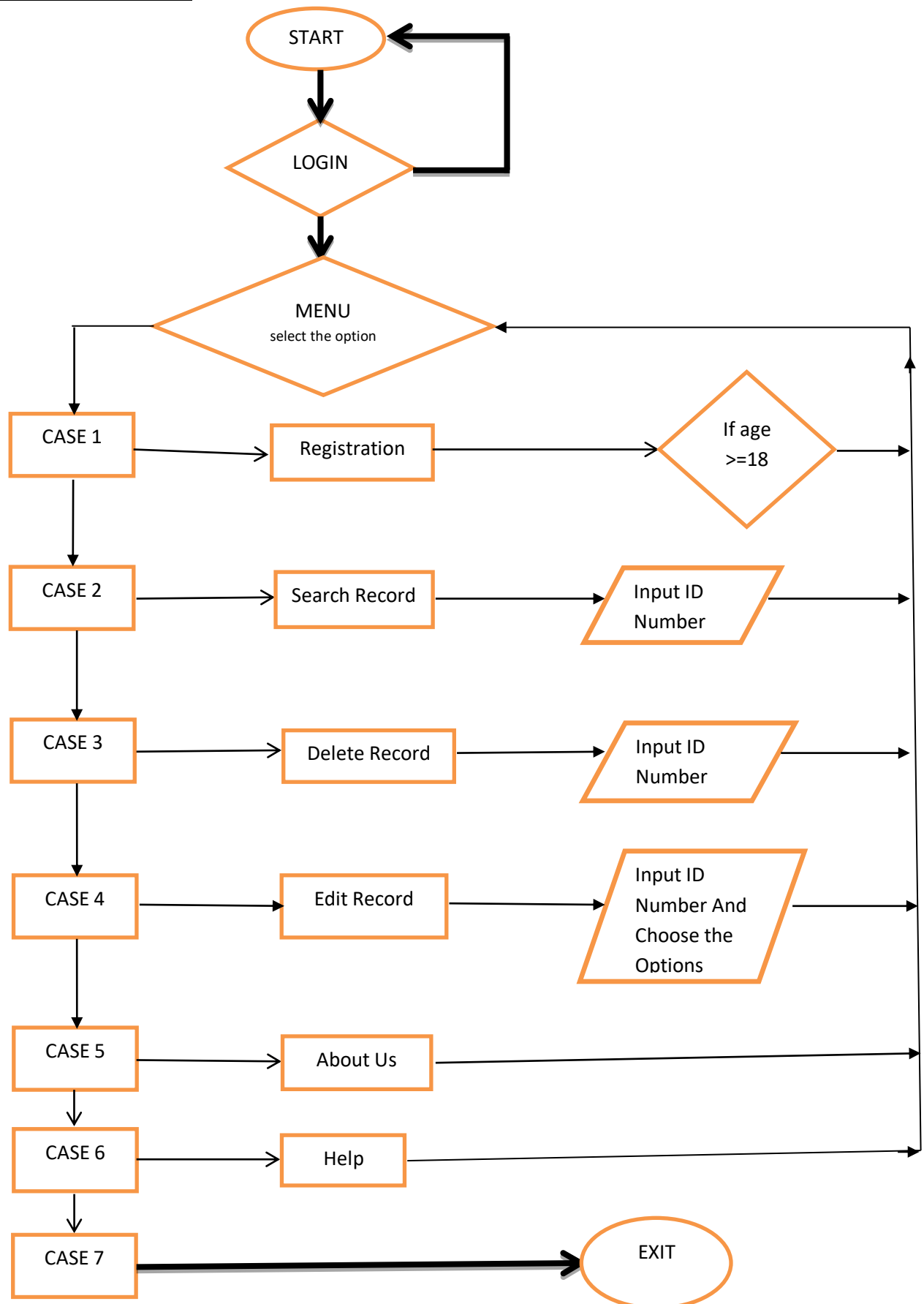
Step 8: About Us, Condition 6 program shows:

The information of the CITIZENSHIP RECORD SYSTEM.

Step 9: The last Condition is the Exit, this Exit the program and go to the main Menu bar

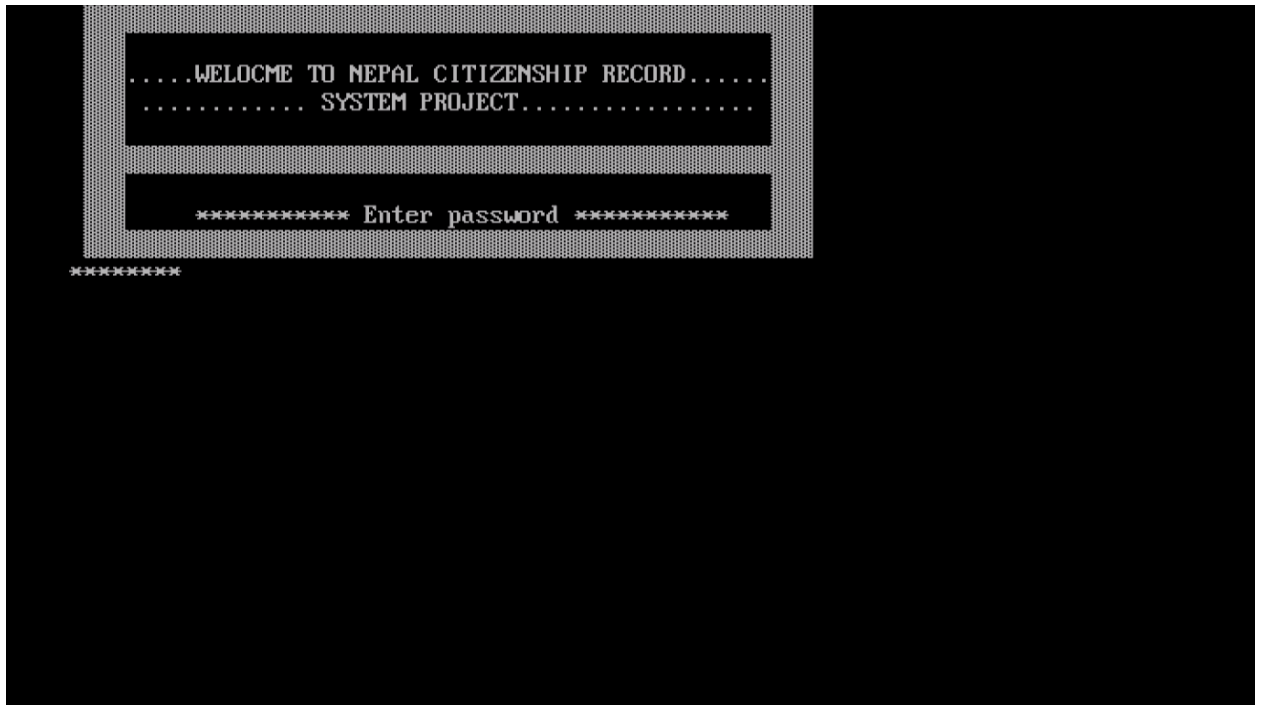
Step 10: STOP

B. FLOWCHART

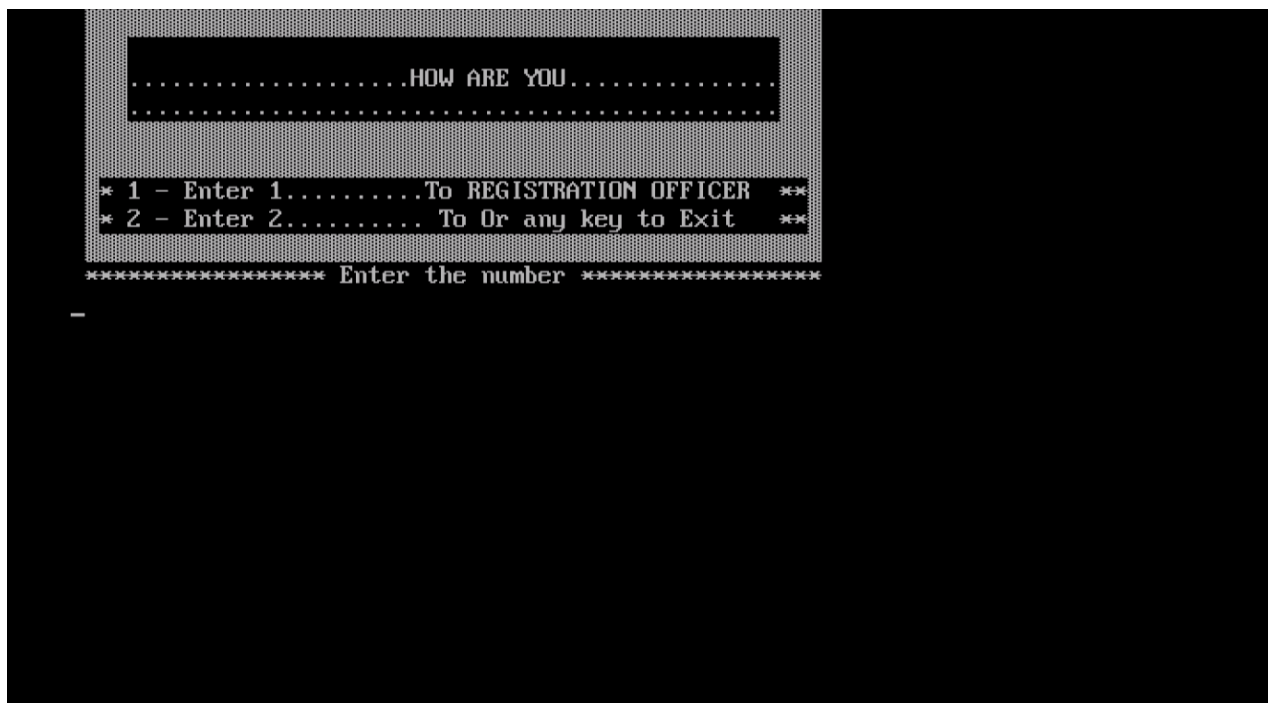


5. SNAPSHOTS OF THE SYSTE

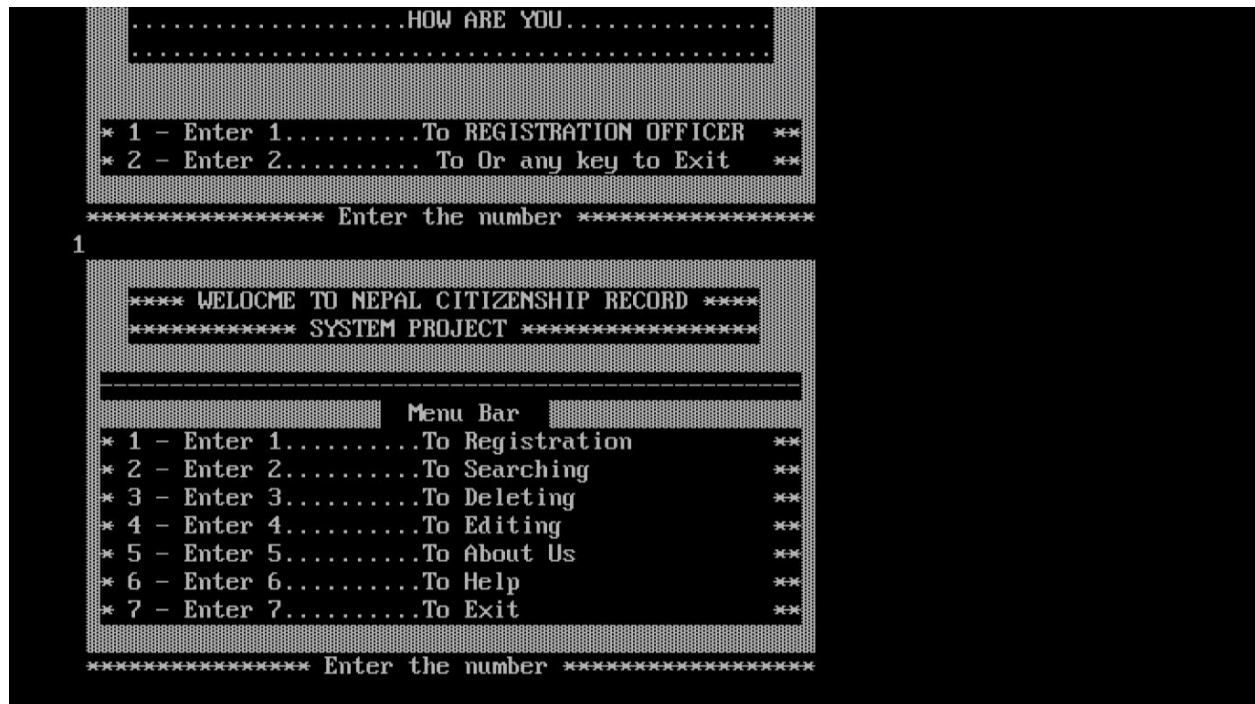
I) Admin login screen



ii)First screen



iii)Main menu



iv)Registration



6. Limitation:

- Paper prints not supported
- Program might crash if not integers values are given to integer.
- Program only provides text-based interface
- Online based application not supported
- Lack of Secured data and Security

7. CONCLUSION:

- Using this software recording process can be made standard, much easier and more effective in order to meet the satisfaction level of the people and make the task much efficient.
- Provide facility for identification and verification services through a digital citizenship certificate.

8. BIBLIOGRAPHY

- C programming **Balaguruswamy**
- Project instructor and mentor Mr. Deepak Khadka Help and Guidance.