THAPATHALI CAMPUS
Institute of Engineering

A PROJECT PROPOSAL

ON

ENTRANCE MANAGEMENT SYSTEM

IN PARTIAL FULLFILLMENT OF THE REQUIREMENTS FOR
THE COURSE OF CT 401 COMPUTER PROGRAMMING

BACHELOR OF ELECTRONICS, COMMUNICATION AND
INFORMATION ENGINEERING

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ABSTRACT

Entrance and its record is a program which solves the practical life problem related with entrance in different level of education. The program is designed for the student who want to upgrade their level of study by joining in bachelor especially. It is the most systematic, well managed, easiest, safe, convenient, trustable and quick process to fulfill the main objective and obtain the is necessary fruitful result steps in simple.

This program mainly deals with storing students record through via form taking examination in order to judge the students' knowledge, publish students results and suggests them the college according to their rank.

Key Words:

Form, Entrance, rank, result, info

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CHAPTER 1: INTRODUCTION

1.1 Background

In this 21st century with the increase in the pace of development in the technological field. Nepal is also heading toward the development in the same way especially in the educational field. Nepal is introducing new technique (example grading system, technical training etc.) for better technical development. with the increase in the need of technically trained, sharp minded, logical thinker human resource entrance has become the backbone for many universities and college. In our Nepal there is bad tradition of nepotism, baptism, politics to overcome this problem this problem entrance can be an effective solution.

There are many reasons justify the idea of making universities mandatory for all students to take an entrance exam. First, an entrance exam can determine the student's tendencies towards the collage or career they pursuit. There are many students applying to a wrong university or career because of their parents' desire, friends' decision, or financial aid and scholarships offered by such a university. If a student really likes to enter a certain university, he'll try his best and study really hard to fulfill his wish. In addition, an entrance exam can help the university choose the best students where they get scholarships from it and from governments, companies... so that they can spend their time in studying or innovations to be the best to help our world. Finally, an entrance exam can balance and improve the work and environment. It can also push the students into being more serious about their career and future. It can never hinder their dreams even though many feel it's not fair for below average students. They might think they're not going to pass to get into the university of their dream, but a little more determination will drive these thoughts right away

In this program, entrance and its record student's student from +2 and diploma background can show their knowledge level through entrance examination. students who are really dedicated to this to their respective career option will show their maximum effort to face this challenge. Traditionally Nepal's education government is taking paper examination for almost every subject (one of expectation is entering) which is tedious, requires a large budget, man dory power, time consuming, maximum error process where there is the chance of corruption. after disusing with many teacher and students who are taking and giving entrance the idea to develop this process has been developed. this program helps us to fill online form so we don't need to stand on que, questions sets up automatically so we don't need to worry about question leak, fast and no chance of corruption.

1.2 Problem Statement

The main problem of our country at present is that qualified student are not chosen for qualitative education instead they are chosen randomly and a few by their family name or background. now a day there are a few schools, college and university that choose students by the method of entrance, but in most cases it is manual (i.e. by hands and on paper) it is difficult to conduct such exam, manage answer sheets, check theme and sort them. As well as publishing questions in such a huge quantity is expensive and there are most chances of getting leakage of these papers and similarly answer sheet may be lost. So by seeing our present context of our country we designed this program to conduct examination and select only qualified students regard less of their background.

1.3 Objectives

Its main objective enlightened below:

I. To stores the data of candidate begin based on their forms record.

II. To select the qualified candidate for the universities, college and job.

III. To minimize the error and corruption for selection and maximize the comfort, accuracy and speed to publish the result.

1.4 Applications

This entrance and its record program can be applicable in different educational and professional field to select the best candidate for respective post or category which are listed below:

    I.   Engineering
    II.   MBBS
    III.   Ag and forestry
    IV.   BBS and BBA
    V.   Army
    VI.   PCL
    VII.   Job interview
    VIII. Loksewa

1.5 Project Features

I. It publishes the online form which collects the information of candidate and their validity.

II. it stores the data of candidate for future use.

III. it took the entrance of 2 hours having full marks 140.

IV. it displays the paper having 100 question having 1 marks 60 question and 2 marks 40 question.

V. special feature once the question is submitted cannot it cannot be resurrected.

VI. It automatically submits the paper after 2 hours.

VII. It allows candidate to submit the paper appearing whenever s/he likes.

VIII. special feature it displays the marks scored just after the submission of paper.

IX. it displays the rank wise result of candidate when the entrance examination of all candidate is completed.

1.6 Feasibility Analysis

1.6.1 Economic Feasibility

Economic feasibility analysis is the most commonly used method for determining the efficiency of a new project. It is also known as cost analysis. It helps in identifying profit against investment expected from a project. Cost and time are the most essential factors involved in this field of study. This program is economically highly feasible program snice it is written in c programming language in c compiler i.e. code block so economically it is highly satisfying with minimum time consumption

1.6.2 Technical Feasibility

Technical feasibility study is the complete study of the project in terms of input, processes, output, fields, programs and procedures. It is a very effective tool for long term planning and trouble shooting. The technical feasibility study should most essentially support the financial information of an organization. It is technically well managed program whose source code can be easily modified for better improvement and for debugging any error.

1.6.3 Operational Feasibility

Operational feasibility refers to the measure of solving problems with the help of a new proposed system. It helps in taking advantage of the opportunities and fulfills the requirements as identified during the development of the project. It takes care that the management and the users support the project.it is very easy to use simply a person who understand English language can use this program. data given to this program can be easily resurrect while filling form also at the time of exam operation is very easy concept of how to tick and submit is required.

1.7 System Requirement

1.7.1 Software Requirement

This program does not require a lot of software .it can perform pretty well by using code block only as its programming language is c.

1.7.2 Hardware Requirement

This program is economically feasible program so it doesn't require a lot of hardware similarly hardware required is a laptop. if laptop is unavailable then the hardware required is desktop, CPU, and mouse.

CHAPTER 2: LITERATURE REVIEW

2.1 Entrance and its record

Literally entrance means act of entering somewhere or door of anything. entrance and its result is program which carries a great literal meaning, it is mainly designed for student. it helps them to achieve their goal to fulfill their dreams. literally it symbolizes that educational institute are like a dreams of the students which they can fulfill through this entrance examination. in this program candidate can fight for their dreams that store the record and publish as a sweet fruit to them to their toil. This program can be operated in small budge unlike present IOE examination which needs networking, a large amount of budget

2.1.1 Form

Form is the one of the most beginning, primary and initial stage of any program which collect the essential information for future use.in this program form is like a backbone of the program. Unless or until the form is filled other process cannot be beginning. In form general information of the candidate like name, address, contact address is taken which helps the examiner to check their validity.

2.1.2 Entrance examination

Education sector has been seen growing phenomenally across the globe and its prospects in Nepal too is very bright some student begin pursing the engineering course soon after 10th as diploma and some candidate take up the route after 12th for bachelor in both the cases entrance plays a vital role.in context of our country Nepal nowadays the entrance is flooring in each and every places for example like engineering, MBBS etc.

2.1.3 Result

Result is the consequence of any problem or last stage of any program. It is the final where the time to spread the pursuit of happiness who toil hard to achieve the goal and their luck favors too. Actually entrance mainly depends on two thigs one is the sound knowledge with quick brain and another key factor is luck which is can also bring a drastic change in entrance result. In this program result of 6000 students is publish in tabular form considering they are pass with minimum marks 60 pass marks.

CHAPTER 3: METHODLOGY

3.1 Entrance Management:

Entrance Management is the name of our project. At the beginning our project it asks the details of the applicant and if the conditions are met to get admitted in the college then only the applicant is allowed to fill the form. After filling the form examination is taken and the result isn't obtained manually instead it is processed by the project itself, the result/ranking of the student is published in ascending order. Based on their ranking they are divided in different colleges for their higher studies. The block diagram (i.e.: fig. 3.1) below shows the details of our project.
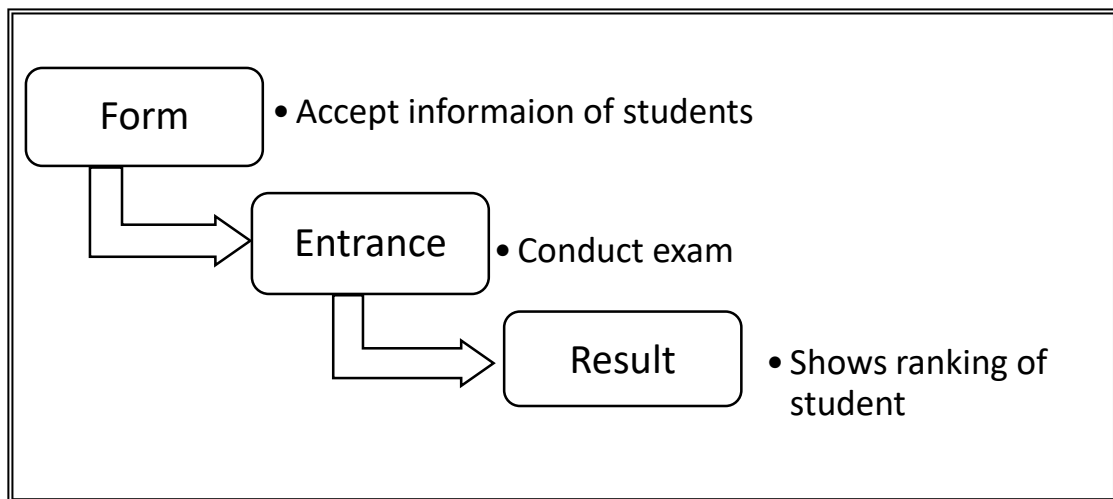
Fig 3.1: block diagram of the project

3.1.1 Form:

Form is an important part of the project and the initial step of the project. In this part of our project student's information's such as name, address, document identification no., contact no etc. is asked and is stored. If any unsuitable condition is met in the form of student, then the form is terminated and the student won't be allowed to take the examination. The block diagram (i.e. fig 3.1.1) below explains the parts of the form.
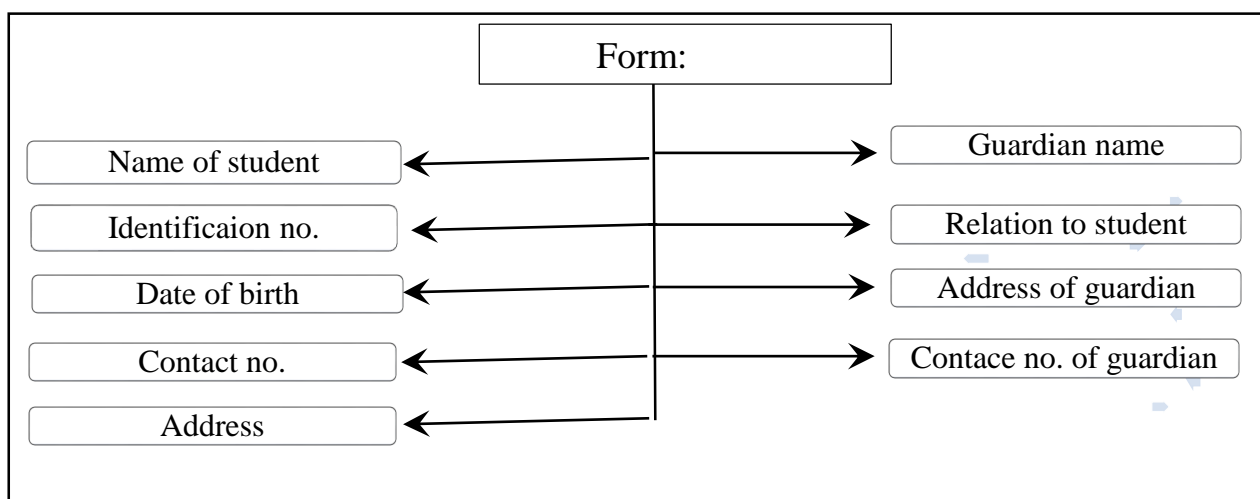
Fig 3.2: Block diagram for form

After the completion of form filling process students whose form is approved is shown in tabular form (Fig 3.3) and fig 3.4 demonstrate the mechanism of form filling in the form of flowchart

S. N	Student Full Name	IOE Roll No:
1	Arjun Chhettri	2075-085
2	Niraj Duwal	2075-2547
3	Suraj Agrahari	2075-093
4		
5		
6		

Fig 3.3: Table showing approved student list

```
                    ┌─────────────┐
                    │    START    │
                    └─────────────┘
                           │
                           ▼
              ┌──────────────────────────┐
              │       WELCOME NOTE       │
              └──────────────────────────┘
                           │
                           ▼
                        ╱  +2  ╲
                      ╱  LEVELOR  ╲
                    ╱   DIPLOMA    ╲
                      ╲     ?     ╱
                        ╲       ╱
                           │
                           ▼
                        ╱ FORM ╲
                      ╱ FILL UP ╲
                        ╲   ?   ╱
                           │
                           ▼
         ┌──────────────────────────────┐
         │   SELECT EXAMINATION DATE     │
         └──────────────────────────────┘
                           │
                           ▼
                         (   )
                           │
                           ▼
                    ┌─────────────┐
                    │    STOP     │
                    └─────────────┘
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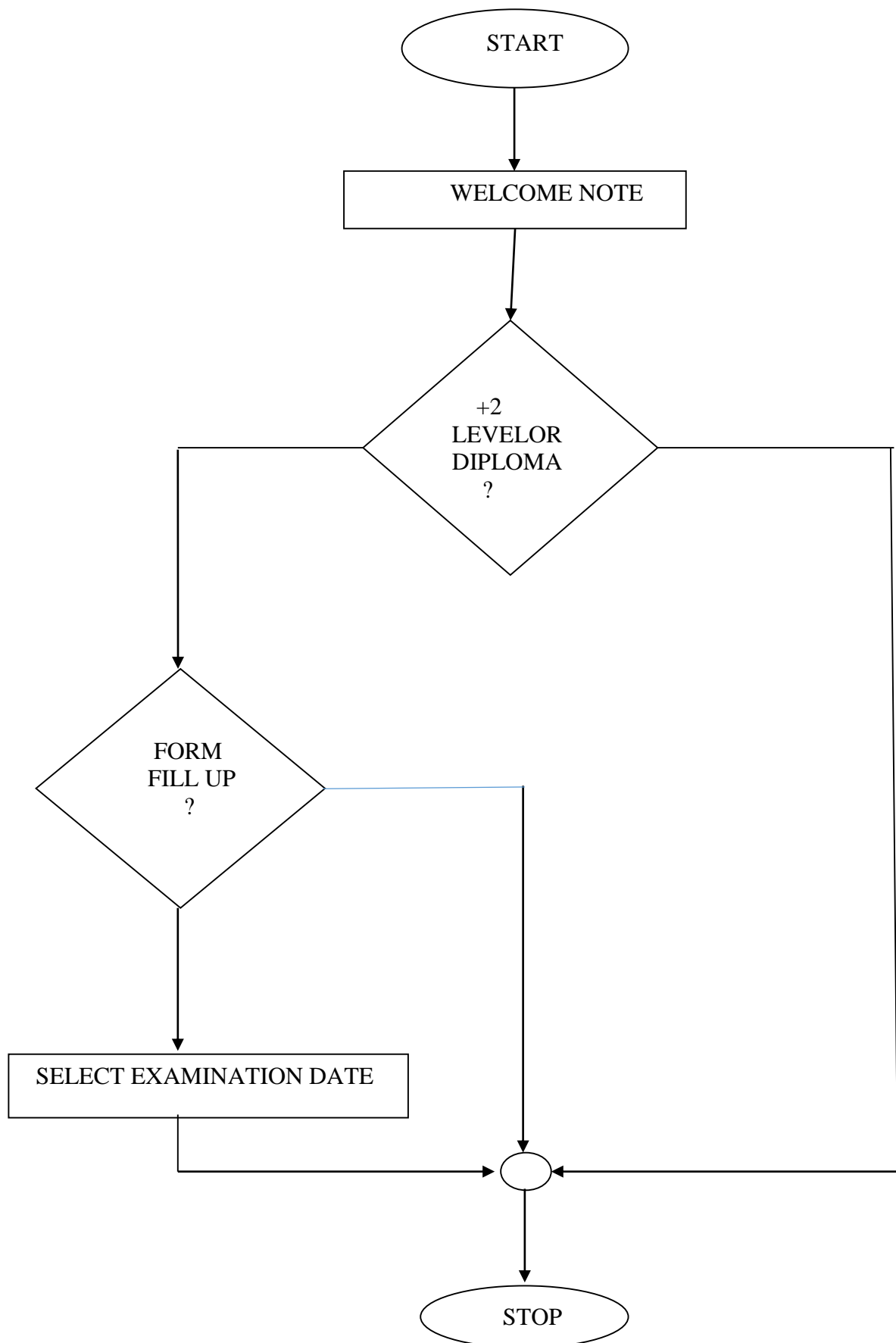
Fig 3.4: flowchart of filling form

3.1.2 Entrance:

It is the second and most important part of project. In this part of project, the students who filled the form are allowed to give take the examination. The exam is of 140 marks for 100 questions and has to be filled in 2 hours, the passed marks of the exam is 60. In the question paper there are 60 short questions of 1 mark and remaining 40 are of 2 marks. If any student found cheating s/he is dismissed from the exam. Students can submit the paper any time and the paper is submitted automatically after 2 hours. The question once attempted cannot be reappeared again. Fig 3.5 demonstrate the entrance examination process in the form of flowchart.
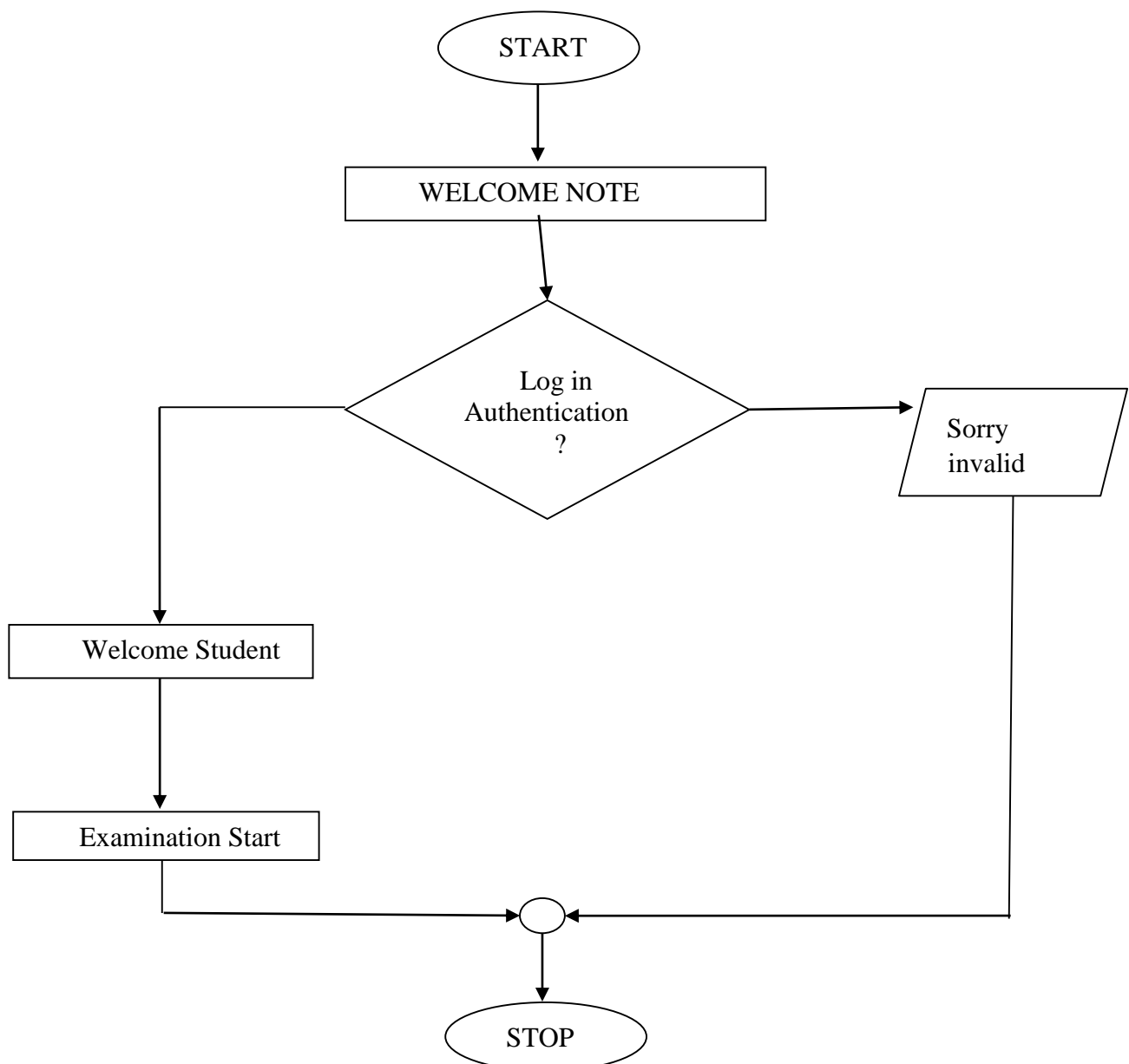

Fig 3.5: Flow chart of entrance examination

3.1.3 Result:

It is the last and final part of the project. Only those students who obtained above 59 are considered as passed and our list of result contains the name of only those students whose ranking is below 6000. These selected students are suggested to get admitted in different colleges and details of these students can be obtained at any moment.

* List of the student who passed in entrance examination including with total marks and rank.

S. N	Student Name	IOE Roll No:	Total Marks	Rank
1	Arjun Chhetri	2075-085	91.2	809
2	Suraj Agrahari	2075-093	89.5	1345
3	Niraj Duwal	2075-2547	85.9	1400
4				
5				
6				

Fig 3.6: Table showing result of passed student

*flowchart to demonstrate the result mechanism of entrance: -

```
                          ┌─────────────┐
                          │    START    │
                          └─────────────┘
                                 │
                                 ▼
              ╱────────────────────────────────────╲
              │  ENTER  NAME,  IOE  ROLL  NO,  DATE  OF  │
              ╲────────────────────────────────────╱
                                 │
                                 ▼
                              ◇ ALL
                               MATCH
                                 ?
```
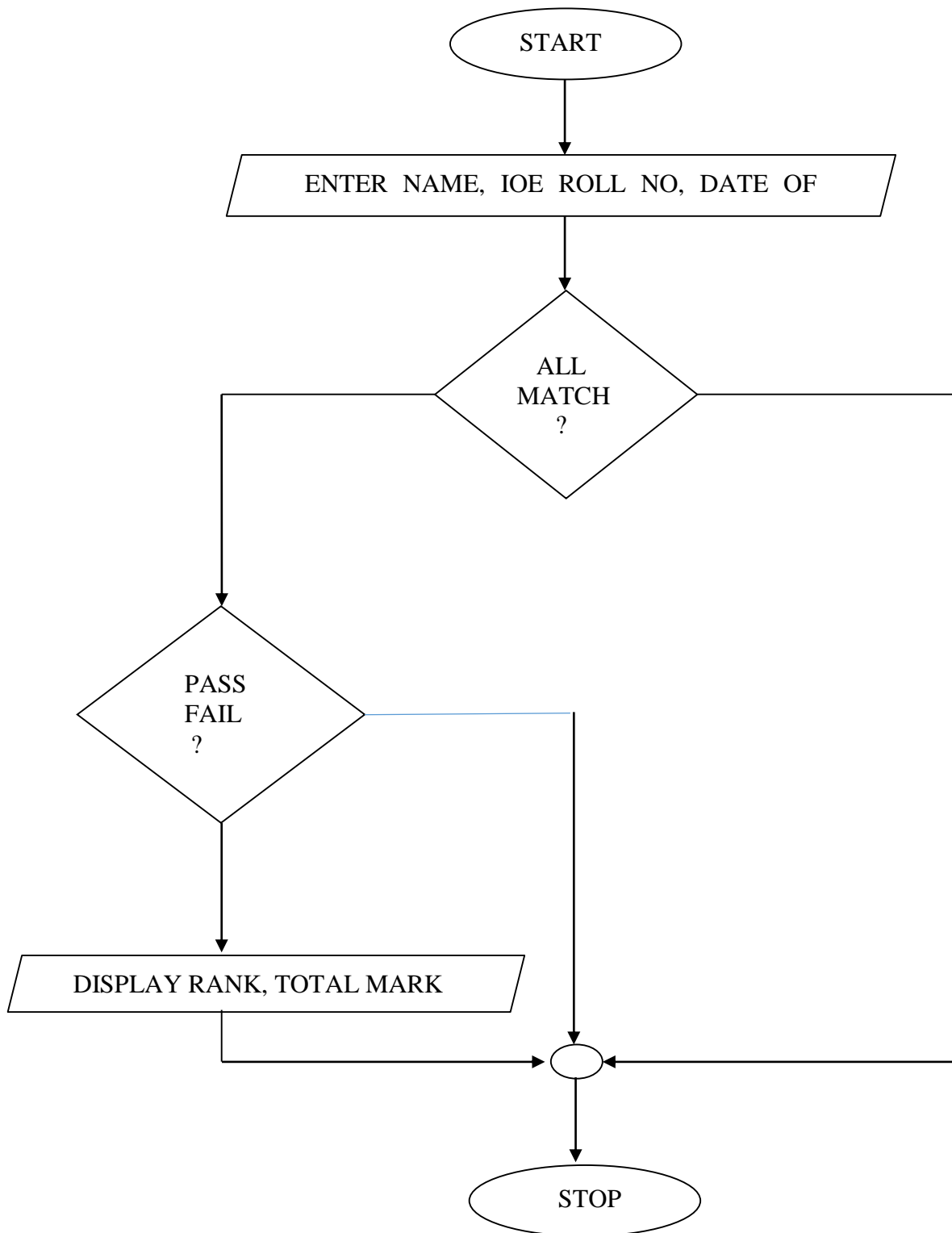
Fig 3.7: Flowchart of result of entrance

CHAPTER 4: EPILOGUE

4.1 Expected Output

From this program we expected easy accurate and quick output with least investment,unlike traditional and mercy examination process. Our project 'ENTRANCE MANAGEMENT' is based and inspired from the entrance examination conducted by IOE and IOM. Examination in IOM is taken manually, to eliminate such labour our project uses Computers. In case of IOE the result is provided after a week and needs a huge budget,but our project gives the result at instant time and doesn't need huge budget.At first our project asks the details of student and fills it in the form. After filling the form exam is taken for 140 marks of 100 question. There is 10% negative marking if wrong answer is selected and if a question is attempted it can't be reappeared. Marks is displayed immediately when paper is submitted. When exam is given by everyone ranking below 6000 is displayed suggesting them to get admitted in different colleges.

4.2 Budget Analysis

Our project of entrance and its record is of low cost. To make our program you need codeblocks,turbo c or dev c++ software which helps to compile,design and display the output of your program. you can get that software on internet (free in cost) or by searching nearby cd shop. For hardware basis you need laptop or desktop to run the software . you can also run that software in low graphics,low RAM desktop. After that no more extra software and hardware are required so you don't need to worry about budget.

4.3 Work Schedule

Fig 4.3 demonstrate the estimated working schedule for different task for success full competitions of project
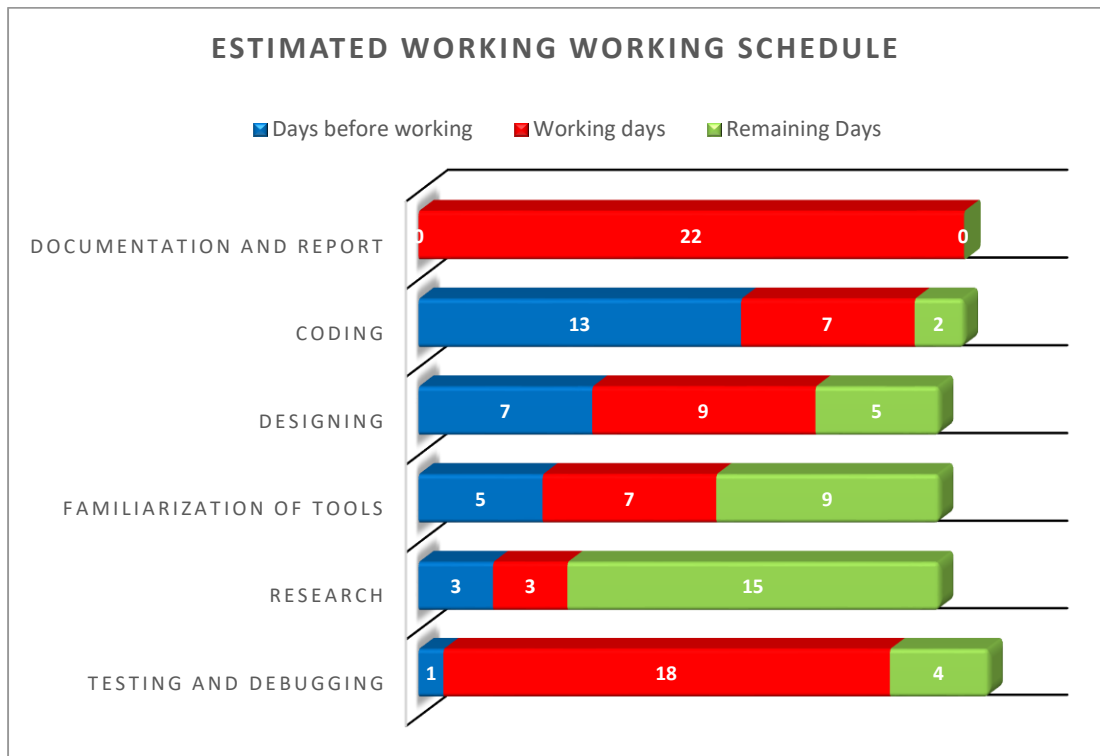

Fig 4.3 Chart showing estimated time for working schedule

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