Informatics College Pokhara

informatics
college   pokhara

Application Development

CS6004NI

Course Work 1

Submitted By: Chiran Baruwal   **Submitted To:** Ishwor Sapkota
London Met ID: Enter ID Here   Module Leader

Component Grade and Comments	
A. Implementation of Application	
User Interface and proper controls used for designing	missing controls in the interface
Manual data entry or import from csv	not properly saved or imported data
Data Validation	missing most of the validation
Enrollment Report & weekly report in tabular format	very poorly executed reports and data not shown accurately
Course wise enrollment report & Chart display	Very poorly designed and only contains one report format with in appropriate data
Algorithm used for sorting & proper sorting of data	Default sorting provided by .net is used
B. Documentation	
User Manual for running the application	User Manual is below average. Is textual only.

Application architecture & description of the classes ad methods sued	average work with very limited explanation of the classes and methods used
Flow chart, algoriathms and data sctructures used	average work with very limited explanation and missing diagramatic representation.
Reflective essay	Very poorly written

C. Programming Style

Clarity of code,Popper Naming convention & comments	very poorly written code and no comments at all
System Usability	very poorly developed application

Overall Grade:	**D+**	**D+**

Overall Comment:

Code should be self explainable with less comments. Need some proper naming of the componen and require to add comments on required area.

Its OK tried to implement and can explain what has been completed with.

Application Development
Coursework 1

Submitted by:

Name: Chiran Baruwal

Student ID: 17030712

Group: L1C1

Submission Date: 10th January 2020

Submitted to:

Mr. Ishwor Sapkota

Table of Contents

Chiran Baruwal

List of Figure

Chiran Baruwal

1. Introduction

The designed system is Student Information System as given by the question for application development coursework. The functions and features in this information system are developed properly. This system consist features like adding student's details, generate and display reports, display weekly tabular report, display chart and save and retrieve the student enroll status. In addition to that, listing the students detail like id, name, program enroll and registration date: one sorted by student first name and the other sorted by registration date. There is the feature to view daily and weekly table and chart.

1.1 Current Scenario

There are various educational institutions that keep the record and details of their students in paper based system. This system is a traditional way of keeping data but there are many risks of keeping data in such files. Some of the institutions have modern ways of data keeping with digitalized system but are lacking the features needed for them.

1.2 Proposed System

The proposed system is digitalized system which is especially designed to overcome the problems faced by many educational institutions in current scenario. This system has login system to ensure the security of the users. User-interface has made it easy to enter the data and display the data.

Chiran Baruwal

2. User Manual

There are screenshots below which will help a user how to operate the system easily.

As the user operates the system the initial screen will appear which will be the login screen. The username and password of the system is "admin". Only a valid username and password can provide access to the system.

Figure 1: Add New Student

Figure 2: Student Added Successfully

Chiran Baruwal
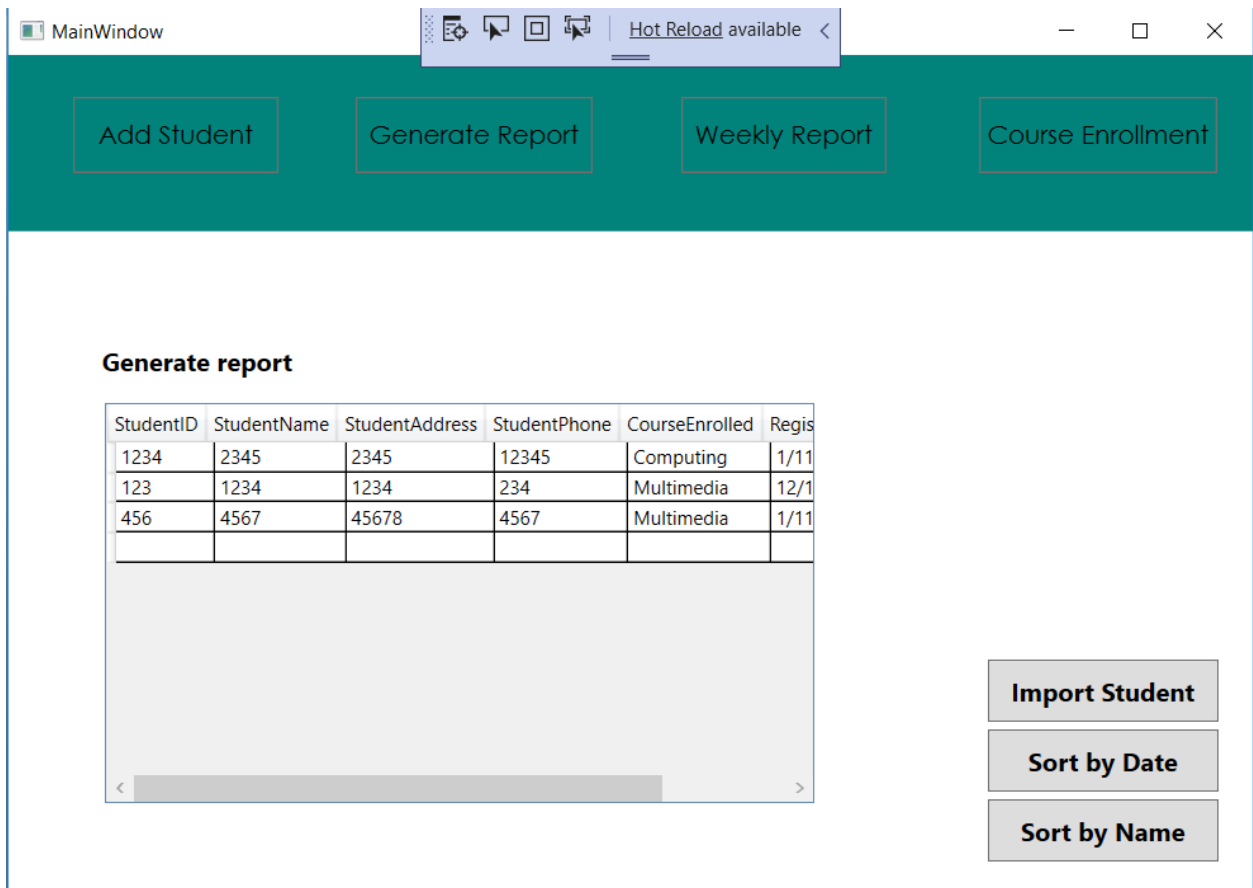
Figure 3: Generate Report

Chiran Baruwal

Generate report

StudentID	StudentName	StudentAddress	StudentPhone	CourseEnrolled	Reg
123	1234	1234	234	Multimedia	12/1
1234	2345	2345	12345	Computing	1/11
456	4567	45678	4567	Multimedia	1/11
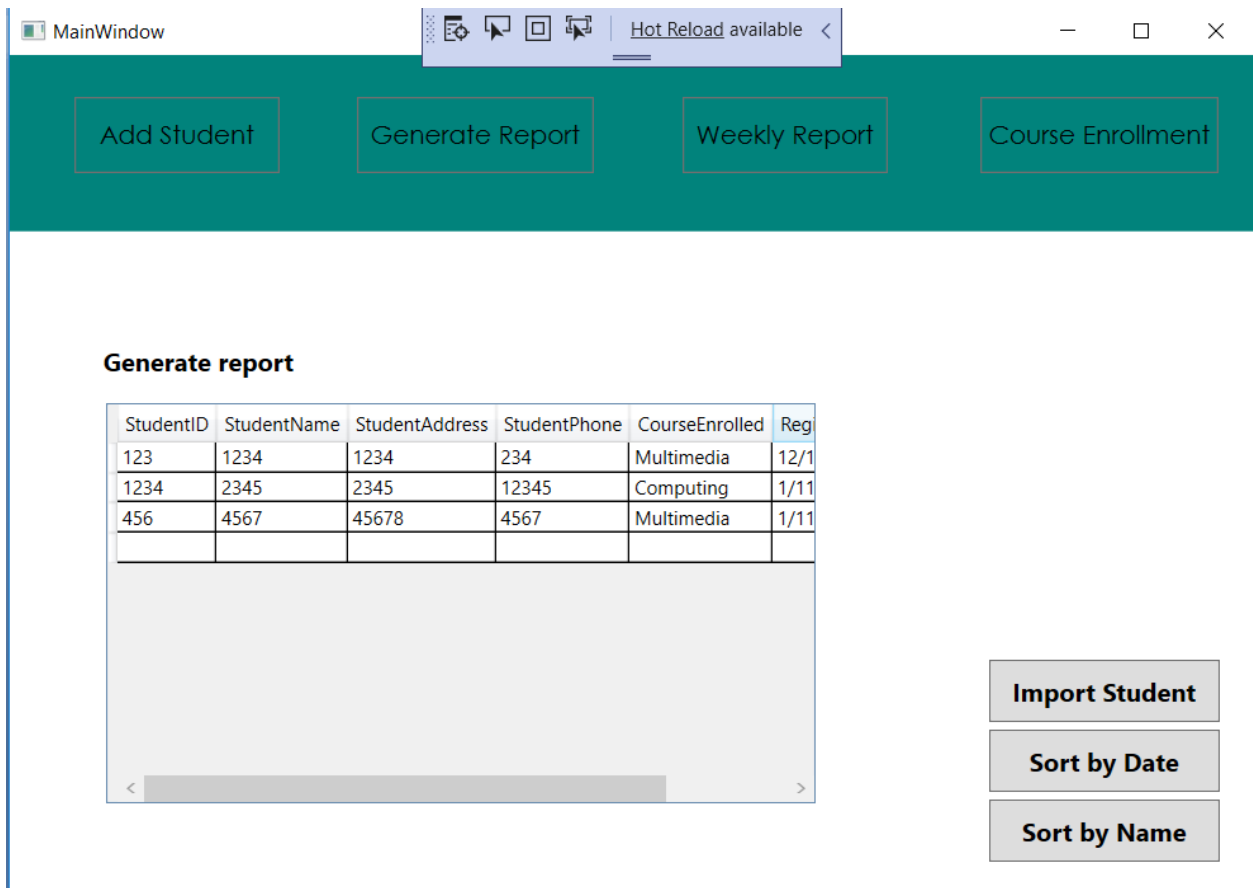
Figure 4: Sort By Date

Chiran Baruwal
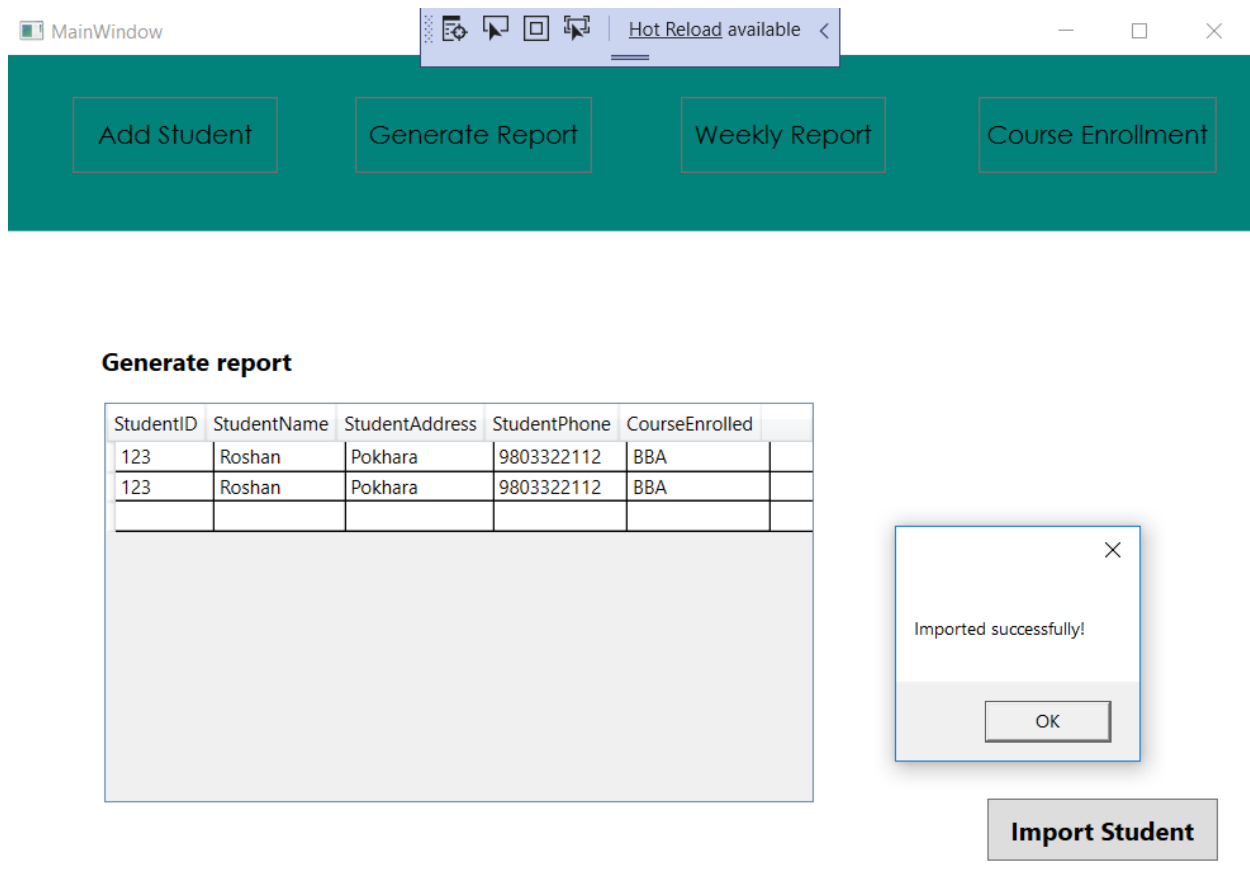
Figure 5: Data Imported Successfully

Chiran Baruwal
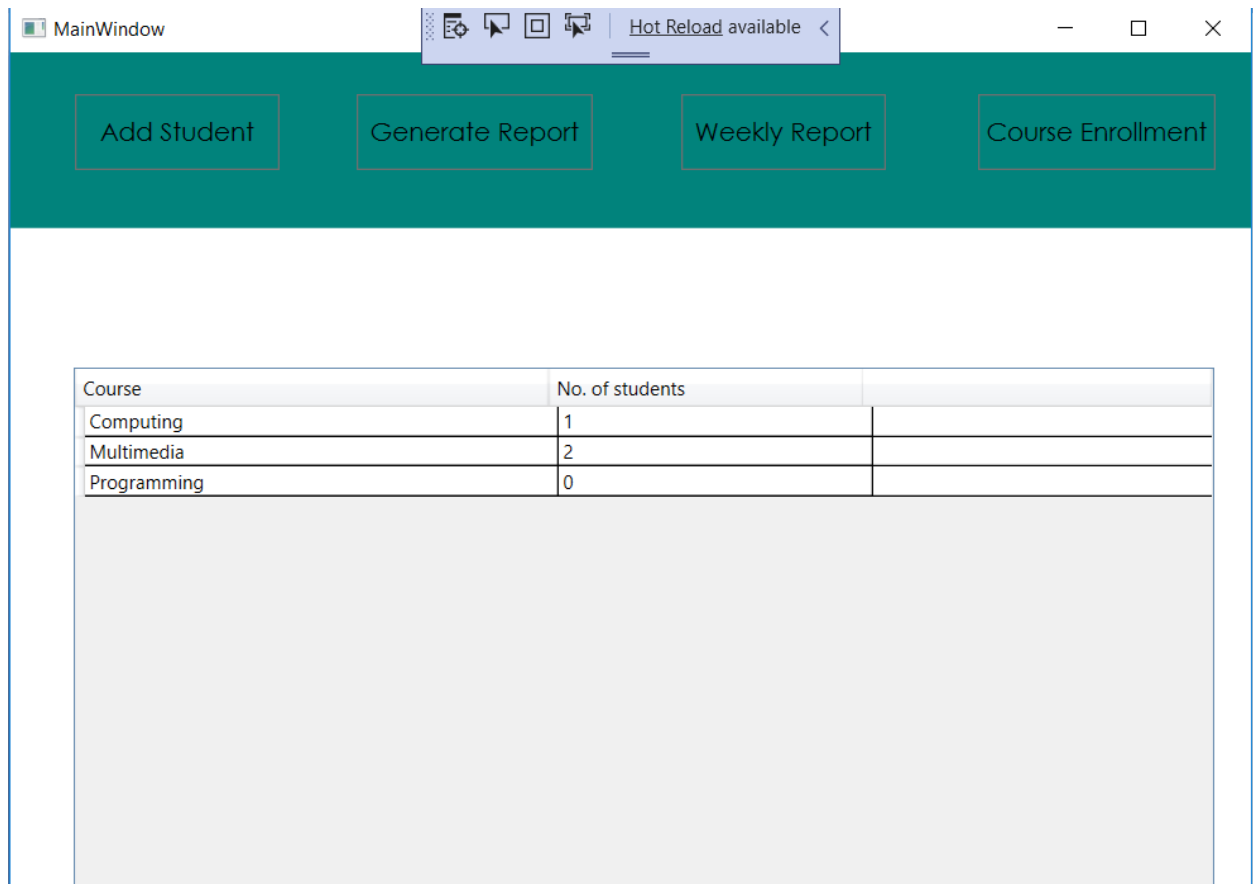
Figure 6: Weekly Report

Chiran Baruwal
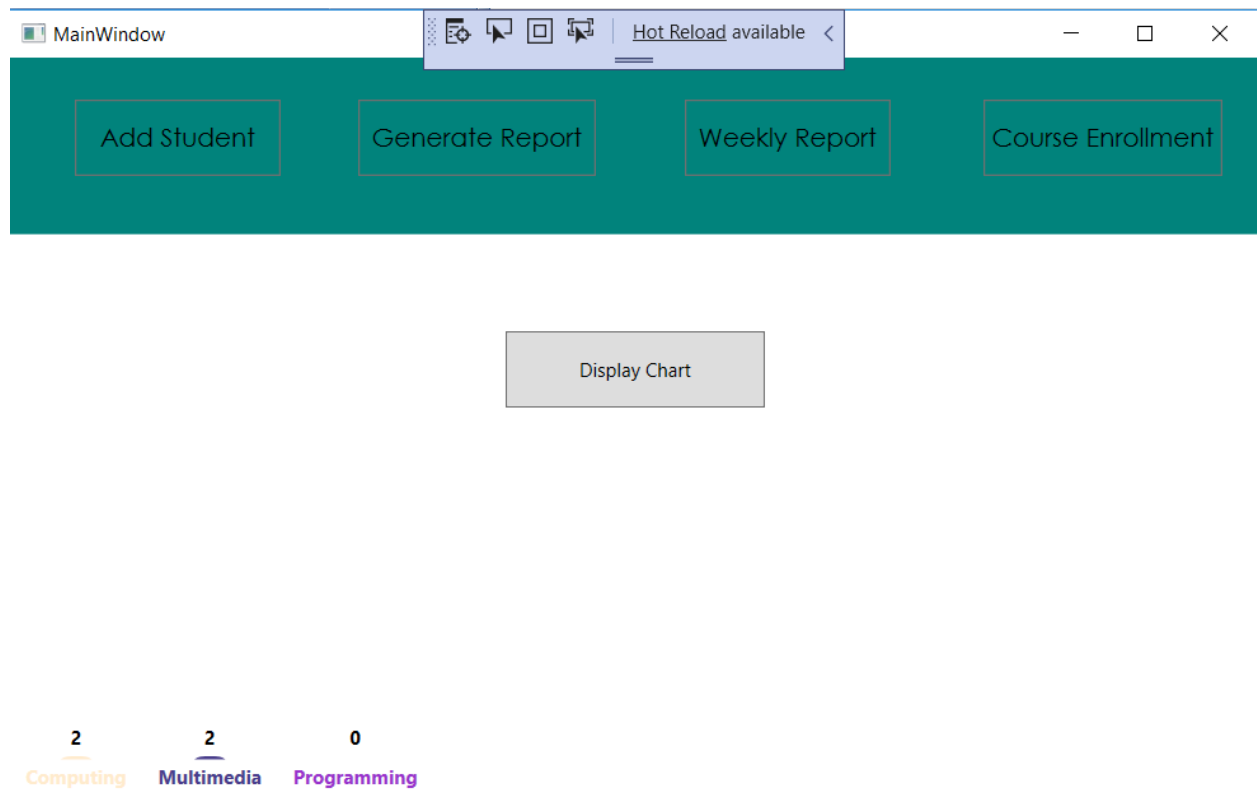
Figure 7: Course Enrolment Chart

Chiran Baruwal

3. System Architecture

Architecture Diagram

Class Diagram
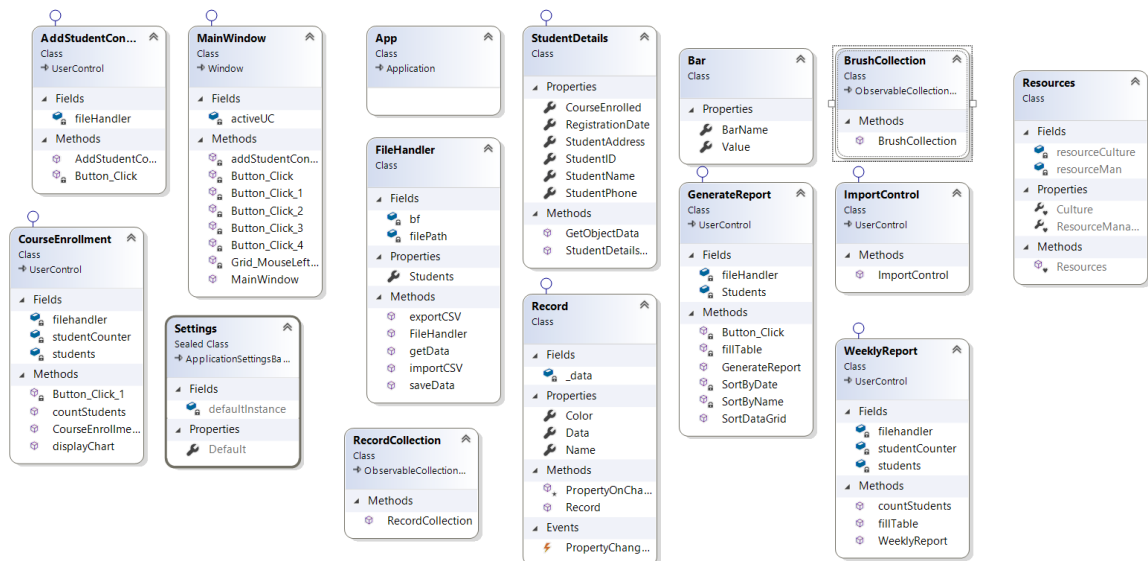
Figure 9: Class Diagram

Chiran Baruwal

Flowchart for Reports
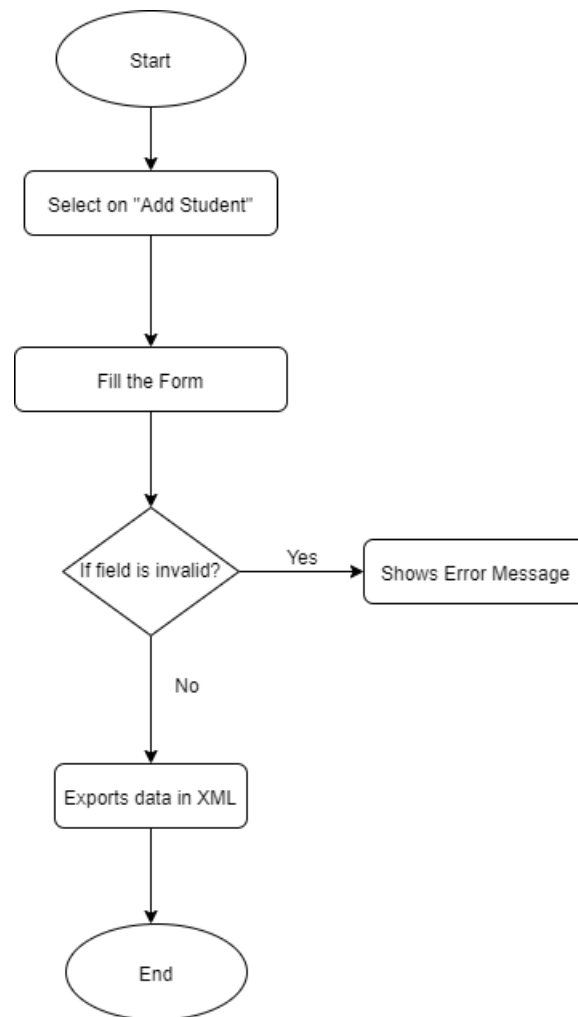
4. Reflection

The developed system is student Information System. This system is developed using Visual Studio 2019 with the C# programming language. The GUI designed is highly user interface and user with basic system administration can operate the system.

The application is to keep track of the student's details, programs enroll and registration date. The application allows the user to input the student personal detail including registration date so that a system can generate a weekly enrolment report of the student. This system includes details like: Name, address, contact no, email, program enroll and registration date that can be added manually by the user. In addition to that, a user can check out the daily and weekly chart along with the list.

I was not familiar with the visual studio so it was really difficult task for me to this coursework. This task was challenging for me but with the help and support of our sir Mr. Ishwor Sapkota I can more and more knowledge about visual studio. He helped me a lot in completing this project. I came to get more working and experience with the language. I had a great experience with the Application Development of the Student Information System.

5. Conclusion

The coursework for the module CS6004NA Application Development was to design and implement Student Information System in C# - desktop application for a company. It required a long time to build up the task in Visual Studio Enterprise 2019 utilizing C# programming.

This coursework was new task for me to complete in couple of weeks. As visual studio was new to me I found it really difficult to solve this task. It took several days for me to search and learn various tutorials regarding visual studio. I took help of YouTube and Google for any problems I face while doing this coursework.

I would like to thank my friends and my module leader Mr. Ishwor Sapkota for guiding me throughout the project.

Chiran Baruwal