PROJECT REPORT

MADE BY-

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SECTION: G

UNIVERSITY ROLL NO.: 2014561

ENROLLMENT NO.: GE-192014561

CLASS ROLL NO.: 07

BTECH CSE

GRAPHIC ERA UNIVERSITY

AIM: To make student report card handling system.

OBJECTIVE: The main objective of this project is to manage the details of students of class 11th and 12th. You can know their marks in individual subjects, their percentage and their overall grades.

PURPOSE: This Report Card can help to:

- Create student record.
- Display student record.
- Modify student record.
- Delete student record.
- Search student record.

LANGUAGE USED
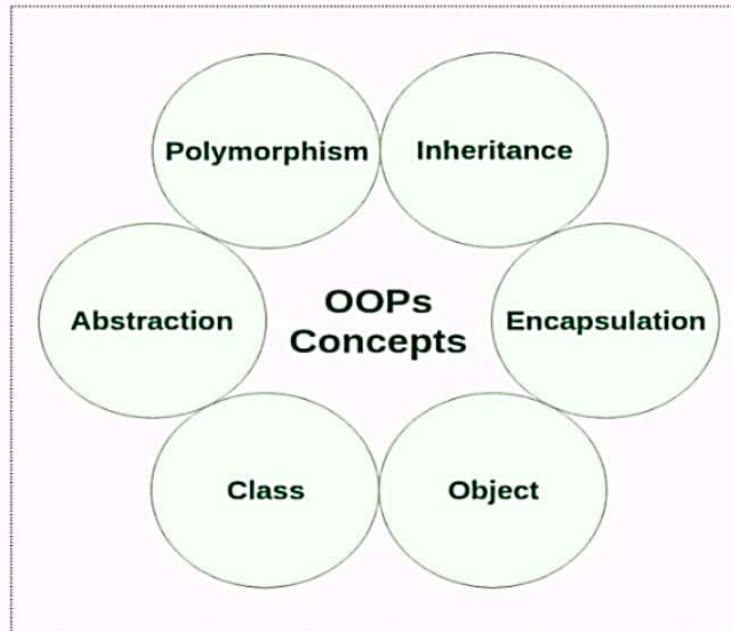
In this project, C++ language is used.

C++ Language:

- A general-purpose programming language.
- Created by Bjarne Stronstrup as an extension of the C programming language or "C with Classes".
- A multi-paradigm language:
  - Object-oriented (OOP)
  - Generic
  - Functional
  - Modular

OOP (Object Oriented Programming)

- Aims to implement real world entities.
- Main aim is to bind together the data and function that operate on them so that no

other part of the code can access this data except that function.

CLASS: The building block of C++ that leads to OOP is a class. It is a user-defined data type, which holds its own data members and function, which can be accessed and used by creating an instance of that class. It is like a blue print of an object.

OBJECT: It is an identifiable entity with some characteristic and behavior. It is an instance of a class. When a class is defined, no memory is allocated but when it is instantiated memory is allocated.

FILE HANDLING SYSTEM

File handling system provides a mechanism to store the output of a program in a file and to perform various operations on it.

A stream is an abstraction that represents a device on which operation of input and output is performed.

In C++, files are mainly dealt by using three classes' fstream, ifstream, and ofstream.

In this project, fstream header file is used for both read and write from/to files.

Default Open Modes:

ios::in | ios::out