**Project: CS Department Management System**

This program is designed to process students and teacher’s data and information. It also has the functionality to store, search and display data. It is capable of retrieving students and teacher’s data and organise them properly into readable information. It can support up to three sections of each semester. Management has the power to assign any course to any semester. The data input by the user is stored in binary form and it can read from binary files too.

**Classes:**

* Person
* Student
* Teacher
* Working
* Semester
* Section
* Subject
* Menu
* Runner

**Interface:**

* *PersonInformation*

**Person:**This is the parent class of Student and Teacher classes. It has a overridden *toString()* method.

**Student:**This is child class of Person and implements interface *PersonInformation*. It has a overridden *toString()* method.

**Teacher:**   
This is child class of Person and implements interface *PersonInformation.* It has a overridden *toString()* method.

**Semester:**   
This class contains semester and section data and information about subjects.

**Section:**  
This class stores students in their respective sections.

**Subject:**  
This class retrieves data from user and stores subject information.

**Working:**   
It is the brain of the project where all classes meet together to perform the following tasks.

* Write data in form of objects
* Read data
* Display data

**Menu:**   
This class displays all the functionality of the program and receives input from user.

**personInformation:**  
This interface has an abstract method *void info().*

**Runner:**   
This class calls Menu and runs the whole program.