Course code: CPE 303

Course title: introduction to Object Oriented Programming

First semester: Project

Introduction:

- Isn't it cool that you communicate with computers and command them to do what you want? The power is in your hands now to precisely and concisely command them to accomplish your assigned project. By utilizing the power of Object-Oriented Programming, you've got nothing to worry about. When you finish it, you would develop a very strong understanding of OOP and how to implement a simple object-oriented programming system.

Approach:

- Strong understanding of functions
- Understand Objects and how to play around with them
- Your control flow skills may be helpful too
- Get the software called 'UMLet' for your UML diagrams
- Start by collecting all necessary information about your system. For example; Library management system may include Book-class, library-class and so on.
- Based on the information collected, draft your diagrams before you begin coding.

Rules:

- Group of two, both members must participate fully.
- Individual effort, no collaboration.
- Do not let your friend do your own work, be a responsible student.

Due Dates:

- Project Report submission: 12th December 2021
- Project Presentation: 16th December 2021
- Please do your work within the allotted time, request for an extension will not be granted.

Report:

- The project report should contain the following: Using Unified Modeling Language (UML), provide Class Diagram, Use case Diagram and Object Diagram of your system.
- The source codes.

- Have fun!

Project ID	Project Title	Student ID
LIB01	Library management system	201203008
HOSMAN01	Hostel room allocation system	191203024
SIS01	Students' information system	191203009
		191203013
SRS01	Student course registration system	191203012
SPRS01	Supervision request system	191203033
CRS01	Car rental system	191203032
FMS01	Faculty management system	191203002
		191203030
HMS01	Hostel management system	191203026
		191203015
MWMS01	Mechanic workshop management system	191203018
		201203053
HMS02	Hostel management system	191203007
		191203014
BAMS01	Bank account management system	191203010
LRS01	Login and registration system	191203023
DMS01	Department of CPE management system	191203006

BSC01	Billing shopping center	201203050
		191203027
FMS02	Faculty management system	201203004
		211203005
PBMS01	Phone book management system	191203021
HOMS01	Hotel management system	191203011
		191203022
LRS02	Login and registration system	191203029
SPRS02	Supervision request system	171203009
PBMS02	Phone book management system	171203039