IT1050 – Object Oriented Concepts   **Semester 1, 2021**

Objectives : Identify correct relationships and draw class diagrams.

Work with another student to find answers together to these questions. Draw your solution on a piece of paper. If you have doubts check with your Tutors. The Tutors will discuss possible solutions with you during the Tutorial session.

1)   HotelRoom, Booking, Guest

 A Hotel Room can have many bookings made. A guest can have one or bookings. Each booking can include details of multiple guests. There can be a hotel room without any Booking as well.

2)   Academic Staff, Lecturer, Professor, Student

 A Lecturer is an Academic Staff.   A Professor is also an Academic Staff. An Academic staff teaches many students. Also, a student is taught by many Academic Staff.

3)   Exhibition, Art Work, Oil Painting, Water Colour Painting, Sculpture, Photograph.

 An Exhibition, consists of multiple Art Work.   Oil Painting, Water Colour Painting, Sculpture, Photographs are examples of Art Work.

4)   Prescription, Patient, Doctor, Appointment

 A Patient can get many Appointments. A Doctor also will consult through many Appointments. The Doctor may give multiple prescriptions to the patient.

5)   Cinema Complex, Film Hall, Seat, Booking, Filmgoer

 A Cinema Complex may have multiple Film Halls. Each Film Hall has multiple Seats. A Filmgoer can make multiple Bookings. A Booking can be for multiple seats. Each Seat may be booked multiple times for different shows.