**Advanced Databases – Practical session Week 1**

**Aims:** This practical aims at 1) solving normalization examples and drawing annotated ER diagrams and 2) getting your system ready to use MySQL database.

1. Working on Normalization and ER Diagram

Two Normalization exercises are uploaded on the BB: Learning Materials>Week1>Practical>Normalization. Please go through those.

* Exercise 1 contains details about a case scenario described in a separate file, and a separate datafile. In Exercise 1, you need to convert the given data in 3NF and drawing a fully annotated ER diagram. For ER diagram you can use software of your choice. We recommend using draw.io. Some students choose to use MS Word.
* Students who successfully completed Exercise 1, are encouraged to solve further Normalization example i.e. Exercise 2.

1. SQL Database software setup

One of the aims of this practical session is to get your setup ready for SQL database. We recommend using MySQL as a database.

* For students who want to use UWE machines can access the CSCT Cloud for using MySQL database. Separate technical documents are made available to access CSCT cloud and accessing MySQL from the CSCT Cloud on BB: Learning Materials>Week1>Practical>SQL Database Setup
* Some students may choose to install the MySQL server community edition on their personal computers/laptops. A separate document is also provided with the necessary information for the installation on personal computers on BB: Learning Materials>Week1>Practical>SQL Database Setup

***Note: You can do the above activities in any order.***