Lectures for the course: Database Management Systems (CS43002)

**Week 1**

**Lecture 1 – 03/01/2018**

- Introduction to the course
- Evaluation Guidelines

**Lecture 2 – 04/01/2018**

- Introduction to database systems

**Week 2**

**Lecture 3 – 10/01/2018**

- Introduction to database systems

**Lecture 4 – 11/01/2018**

- Introduction to database systems
- ER Diagram
- Generating tables from ER diagram

**Lectures 5+6 – 12/01/2018**

- Generating tables from ER diagram
- ER model design issues

**Week 3**

**Lecture 7 – 17/01/2018**

- Extended ER features
- Alternative notations

**Lecture 8 – 18/01/2018**

- Relational model
- Relational Algebra
- Basic SQL
Lectures 9 – 19/01/2018

- Basic SQL
- DDL
- Basic SQL query structure
- Additional basic operations like join

**Week 4**

**Lecture 10 – 24/01/2018**

- Basic SQL
- Aggregate functions
- Nested Subqueries
- Insert, Delete, Update

**Lecture 11 – 25/01/2018**

- Intermediate SQL
- Outer joins
- Views