**ECE-GY9953- ADAVANCED PROJECT I**

**And ECE-GY 9941- ADAVANCED PROJECT III**

**Prof. Amit Patel**

**OLTP DB System: MySQL**

**Data Normalization Design, DDL, DML, TRIGGERS**

**History table, and Trigger**

**DW DB System: Oracle on Oracle VM Box**

**Stating VM box, and Oracle DB application, access forwarding, client Tool connection, folder sharing, basic commands, connecting to DB from the server**

**Data denormalization process, and Table partition concepts**

**Data Warehouse design, and Oracle DDL code, Partitioned table**

**ETL (Extract, Transform, Load)**

**Extract from OLTP (MySQL)**

**Transform to match DW table design, Stage tables**

**Load to DW (Oracle)**

**--- External Table**

**--- SQL LOADER utility**

**--- Database procedure to load data from Stage table to DW tables**