TEB1103
Data and Information Management
Database Project Guidelines
(Part 1)

INTRODUCTION

Students enrolled into this course are required to develop a database project for satisfying one part of the course's total assessments. The project will carry 19% of the total assessment marks. Students are allowed to work in a group of maximum 4 persons for the project.

OBJECTIVES

After the completion of the project, all students should be able to:

- Apply the theoretical knowledge gained in class to a real practical database design and application.
- Work according to schedules.
- Work in groups, which is the common mode of work in the real business world. (Tasks should be properly spread between group members. Team leader will be accountable and responsible in overseeing and monitoring the team progress and any other issues related the project.)

PROJECT REQUIREMENTS

The Database Systems

Students are allowed to choose and develop any database system of any company. All companies **SHOULD NOT** be related to or having the same business domain with the university. No entities or units in the university will be considered for the project. There should **NOT** be less than **TWENTY (20)** entities involve in the systems. The attributes should **NOT** be less than **TEN (10)** attributes per entity. The project will be a complete database for storing data on a chosen organisation or company.

NOTE: Please inform your lecturer(s) or tutor(s) of your proposed database system before starting with the project.

The Deliverables (hardcopy ring binding)

- An Enhanced Entity-Relationship (EER) diagram, which should be at least in 3rd normal form (3NF). Each entity should have 2 primary keys (composite primary key) attributes and superclass entity would contain at least 2 common attributes (non-primary keys). **NO FOREIGN KEY ATTRIBUTE(s)** should be included in the diagram.
- A "relational transform" or mapping of the EER diagram into a relational database schema. Identify the primary keys of each relation and the foreign key(s) if any
- Data Specification to identify data type and data constraints of each attribute if any.
- Data Layout for each entity created. There should be minimum **TEN (10)** rows per entity.
- Any blank forms used by the company.
- Any hardcopy that proves or references to SSM registered company.

IMPORTANT NOTES:

Failure to comply with the following requirements will be given '**F**' grade for the project.

- Not submitted "blank forms" that related to your project.
- The company that project referred is not registered with Suruhanjaya Syarikat Malaysia (SSM)

THE DATELINE

The latest date for submission of deliverables will be on your group **PRESENTATION DAY**.