MIT WORLD PEACE UNIVERSITY

Database Management Systems
Second Year B. Tech, Semester 4

DRAWING OF THE ENTITY RELATIONSHIP DIAGRAM

ASSIGNMENT NO. 1

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February 2, 2023

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Requirements of the Company The Company is organized into:

1. DEPARTMENTs. Each department has a name, number and an employee who manages the department. We keep track of the start date of the department manager.

2. Each department controls a number of PROJECTS. Each project has a name, Number, and is located at a single location.

3. We store each EMPLOYEEs social security number, address, salary, sex and birthdate. Each employee works for one department but may work on several projects. We keep track of the number of hours per week that an employee currently works on each project. We also keep track of the direct supervisor of each employee.

4. Each employee may have a number of DEPENDENTS. For each dependent we keep track of their name, sex, birthdate, and relationship to the employee.

4 Theory

Syntax for stuff.

4.1 DDL Statements

1. CREATE TABLE - Creates a new database table.

   ```
   CREATE TABLE table_name constraints
   (
   Column_name datatype(size) constraints default '',
   Column_name datatype(size),
   constraint(column_name)
   );
   ```

2. ALTER TABLE - Changes in columns and stuff.

   ```
   ALTER TABLE table_name
   (

   )
   ```

3. DROP TABLE - delete the table

4. TRUNCATE - clear the table.

5.

4.2 DCL Commands

1. GRANT - allow specified users to perform specified tasks.

2. REVOKE - cancel previously granted permissions.

4.3 Constraints

1.

5 Conclusion

6   FAQ