**Suggested research topics**

**Winter semester of the academic year 2019/2020**

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| **Course name in Arabic: قواعد البيانات** |
| **Course name in English: Database** |
| **Dr. Reda M. Hussien** |
| **Level: 2nd Level** |
| **Department: General**  |

**Write a Database Project which Includes the Following Items:**

* **Title Page:** In the title page, you have to write your desired title for your project. Example: Sales and Inventory System
* **Table of contents:** In this section, You have to write the outline for your table of contents.
* **System Description:** For system description, you have to write at least a minimum of 200 words.
* **Data Dictionaries:** For Data Dictionaries, you have to write the descriptive details of each field in every table.
* **Entity Relationship Diagram:** You have to draw an ER diagram that supports your system.
* **Select Statements using Different Functions**: In select Statement using different functions, you to create questions and you have to provide solution in a query form. Minimum of 20 Select Statements.
* **Select Statements using Sub Query** (Minimum of 3)
* **Select Statements using Count and Group Functions** (Minimum of 2)
* **Select Statements using Different Joins** (Minimum of 5)
* **Insert Statement** (Minimum of 5)
* **Update Statement** (Minimum of 5)
* **Delete Statement** (Minimum of 5)
* **References**
* **Git-Hub Repository Link**.

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| Professor Signature | Date |

**Sample Project Titles**

1. **Hospital Management System**
2. **Student Record Keeping System**
3. **Book Storage System**
4. **Bus Scheduling System**
5. **Car Rental System**
6. **Hotel Reservation System**
7. **Clinic Management System**
8. **Library Management System**
9. **Mini Store Management System**
10. **Media Playlist Management System**