**Suggested research topics**

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

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| **Course name in Arabic: تحليل متطلبات البرمجيات** |
| **Course name in English: Software requirement Analysis** |
| **Dr. Reda M. Hussien** |
| **Level: 3rd Level** |
| **Department: Software Engineering** |

**Write a Software 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.
* **Introduction and Purpose of the project**: Describe the scope of the product
* **Overall project Description:** include Product Perspective, Product Features, User Classes and Characteristics, Operating Environment, Design and Implementation Constraints and Assumptions and Dependencies.
* **System Features:** organizing the functional requirements for the product by system features, the major services provided by the product. You may prefer to organize this section by use case, mode of operation, user class, object class, functional hierarchy, or combinations of these, whatever makes the most logical sense for your product
* **External Interface Requirements:** User Interfaces, Hardware Interface, System Interface and Communications Interfaces
* **Other Nonfunctional Requirements**
* **References**
* **Git-Hub Repository Link**.

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| Professor Signature | Date |

**Sample Project Titles**

1. **Learning Management System**
2. **Online Store Management System**
3. **E-Exam System**
4. **Hospital Management System**
5. **Student Record Keeping System**
6. **Bus Scheduling System**
7. **Clinic Management System**
8. **Library Management System**