



Faculty of Computers & Artificial Intelligence

2<sup>st</sup> Term (2019-2020) Final Exam

class: Medical Informatics

year Second level

Course Code: SWE

Course name: Software Engineering



Benha University

Final Date: 7 / 6 /2020

Total Marks: Pass / Fail

Examiner(s): Dr. Tarek Elshishtawy

**Research submission: From 31 May to 7 June 2020**

**a) Write a research project in ONE of the following topics:**

### Topic No. 1

Select your own IS. Write a Service Request Report SRR for an information system. The report should include an introduction that describes a background of the problem and the importance of the proposed system. The system should include at least three processes.

The main sections of the report are

Introduction, the requirements (functional, nonfunctional), System context diagram, System models (at least three suitable models that describe the system). Also, give appendix for reviewing the system dictionary and proposed GUI (interfaces). Finally. Put references in separate section.

### Topic No. 2

Select your own real time system, Write a Service Request Report fSRR for a real time system. The report should include an introduction that describes a background of the problem and the importance of the proposed system. The system should include at least one sensor.

The main sections of the report are

Introduction, the requirements (functional, nonfunctional, safety, ..), System organization, System models (at least three suitable models that describe the system). Also, give appendix for reviewing sensor(s). Finally. Put references in separate section.

**GOOD LUCK,**

Examiner(s)  
Prof.Dr. Tarek El-  
Shishtawy

Head of Department /  
Program Coordinator  
Prof.Dr. Tarek El-  
Shishtawy