
Faculty Vitae

1. Name

Sana S. Sabri

2. Education

2008:2011: Master Degree in Computer Engineering (M.Sc.)/Al Nahrain University, Baghdad, Iraq.

Thesis title: *"Design of LQ-Servo Controller Based on Intelligent Systems for Computer Network Congestion Avoidance"*,

Thesis focused mainly on designing a Linear Quadratic_servo (LQ_servo) controller based on linear control theory for TCP/AQM router. The controller parameters are chosen using Genetic Algorithm (GA) and Particle Swarm Optimization (PSO) algorithm to enhance overall system response.

2004-2008 : Bachelor of Computer Engineering (B.Sc. Engineering)/Al Nahrain University, Baghdad, Iraq

Graduation Project: "Performance Evaluation of the IEEE 802.11 WLAN".

3. Academic experience

2017 -Present Lecturer at University of Information Technology and Communication, College of Engineering, Baghdad, Iraq.

- Prepared lectures and class activities focusing on Electrical circuits for 30freshman and undergraduates.
- Created and graded course assessments to ensure students understood material and stayed on track.
- Tutored undergraduates in "Electrical Circuits ,Electronics & Sound Technologies" labs.

2016-2017-Lecturer at University of Information Technology and Communication, Business Informatics College, Baghdad, Iraq.

- Prepared lectures and class activities focusing on "Web design with PHP,CSS" for 20 freshman and undergraduates.
 - Supervisor of 12 undergraduates in summer training at GSM Telecommunication Company
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(Asia Cell).

2013-2015

Visitor Lecturer: Al Rafidain University College, Baghdad, Iraq.

- Lectured 350 undergraduates on (Numerical Analysis) and (Real time system design)
- Supervisor of Graduation Project titled “Design and implement RFID–BASED HEALTH CENTER”

2011-2012

Lecturer at Dija University, College of Computer Science

- Prepared lectures and class activities on (Computer Architecture) for 300 undergraduates.
- Tutored undergraduates in Labs.

4. Non-Academic experience

2012-2016

IT Engineer at Ministry of health

Iraqi Ministry of Health (MoH), IT Department.

Worked as IT Engineer, supervised and operate many projects such as:

- Smart Hospital Management Center Project,

5. Certifications or professional registrations

- **TOT: Train of Trainers**
- **introduction to internet of things**
- **⊗**
- **Analyzing Data with Python (IBM) ⊗**
- **Machine Learning with Python: A Practical Introduction**
- **⊗**
- **Python for Data Science**
- **⊗**

9. Publications/Presentations

Publications

- Optimal Linear Quadratic Controller Based on Genetic Algorithm for TCP/AQM Router (Future Communication Network (ICFCN),2012, International conference on (PP. 78-83) IEEE.)

Presentations

- Introduction to Internet of Things. College of Engineering.2018
- Scientific Paper Writing Using Latex. 2018
- Smart Water Management Technologies. 2017