Curriculum Vitae

Basma Jumaa Saleh

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PERSONAL SUMMARY:

- Mrs. **Basma Jumaa Saleh,** born in Baghdad at 1988, is an Assistant lecturer at the Computer Engineering Department / Faculty of Engineering, AL- Mustansiriyah University, Baghdad-Iraq.

EDUCATION:

- 2013 - 2016 Baghdad University, Baghdad, Iraq
  M.Sc. in Computer and Control Engineering.
- 2006 – 2010 Mustansiriyah University, Baghdad, Iraq
  B.Sc. in Computer and Software Engineering.

ACADEMIC HONORS AND AWARDS:

- **Rank 1st** in B.Sc. Class in Computer and Software Engineering (Mustansiriyah University, Baghdad, Iraq 2010).
- **Rank 1st** in M.Sc. Class in Computer and Control Engineering (Baghdad University, Baghdad, Iraq 2016).

ACADEMIC /TEACHING EXPERIENCE:

- Engineer from 2011 to 2016 at the Faculty of Engineering / Computer Engineering Department.
- Assistant Lecturer from 2016 at the Faculty of Engineering / Computer Engineering Department.

COURSES TAUGHT:

Undergraduate	Graduate
Skills Lab (1st year)	
Digital Image Processing Lab (4th year)	
Intelligent Systems Lab (4th year)	
Math I & II (1st year)	
Micro-Processor Lab (3rd year)	
Engineering Application Lab (3rd year)	
Network Lab (4th year)	
Micro-Processor Lab (2nd year)	

PUPLICATIONS:

- Trajectory Tracking Controllers for Mobile Robot: Modeling, Design and Optimization - Book - LAMBERT Academic Publishing (April 15, 2016).

- Design of a Kinematic Neural Controller for Mobile Robots based on Enhanced Hybrid Firefly-Artificial Bee Colony Algorithm- Al-Khwarizmi Engineering Journal (2016).
- Comparative Study of Inspired Algorithms for Trajectory-Following Control in Mobile Robot- International Journal of Modern Education and Computer Science (2018).
- A Novel Biogeography Inspired Trajectory-Following Controller for National Instrument Robot-Communications in Computer and Information Science (CCIS) (Conference 2018).
- Design and Evaluate the Effectiveness of the Networking-Tutor, Intelligent Tutoring System for Teaching Students an Introduction for Computer Network in Iraq - Journal of Scientific and Engineering Research (2018).
- The Effect of the Intelligent Tutoring Systems on the Education - مجلة ابحاث الذكاء والقدرات العقلية (2019).
- Design and Implementing System to Study Environmental Noise Pollution Using Microcontroller - Indian Journal of Forensic Medicine & Toxicology (2020).
- Optimum Median Filter Based on Crow Optimization Algorithm - Baghdad Science Journal (2020).
- مدخل الى تعلم البرمجة بلغة التجميع: المعالج 8086

PROFFESIONAL DEVELOPMENT

- ❖ IC3 Certification.
- ❖ Qualifying Course in Teaching Methods.
- ❖ Scopus Conference.
- ❖ Workshop's Certifications:
  - First Chapter of Robotics and Embedded Systems
  - English Essential Course
  - Embedded Systems Technology
  - الاستمارة الالكترونية و دورها في التعليم الالكتروني
  - تقنيات الموجات فوق الصوتية في الاجهزة الالكترونية
  - Arduino Based System and Implementation for Different Application
  - Microsoft office
  - مشروع الفهم الجديد للأسلام المفكر السوداني محمود محمد طه قراءة في ضوء العلوم الاسلامية
  - How to Import Spreadsheets Data into Matlab.

أ.م.د. إخلاص حسين كرم
الإستاذ المساعد الدكتور
رئيس قسم هندسة الحاسوب
علي جبار
معاون العميد
للشؤون العلمية وال

مدرس مساعد بسمة جمعة صالح
2020/9/15