Faculty Member Academic Biography

Personal data

Name	Balqees Talal Hasan		
Current academic rank	Lecturer		
Workplace	IT	**Academic department**	Computer Networks & the Internet
General specialization	Computer sciences	**Specialization**	Computer sciences
E-mail	balqees.hasan@uoninevah.edu.iq		

Academic qualifications

Degree	University Name	Country Studied at	Major	Graduation Date
Bachelor	University of Mosul / College of Computer Science and Mathematics	Iraq	Computer sciences	2012
Master	University of Mosul / College of Computer Science and Mathematics	Iraq	Computer sciences	2017
PhD	University of Mosul / College of Computer Science and Mathematics	Iraq	Computer sciences	2022

Academic rank:

Academic rank	Date of Obtaining the rank	Academic rank granting Institution
Lecturer	2023	Ministry of higher education

Practical experiences:

Time period		Employer	Job Title
from	to		
2017	2018	University of Mosul / College of Computer Science and Mathematics	Lecturer
2019	2023	University of Nineveh / College of Electronic Engineering	Lecturer
2023	Present	University of Nineveh / College of IT	Lecturer

Scientific production (Published Papers):

Research Title	Place of publication	Country of publication	Number	Vol	date of publication
Parallel Execution of the Steganography using SFLA on the Android Platform	ZANCO Journal of Pure and Applied Sciences	Iraq		31(s2)	2019
A survey of scheduling tasks in big data: Apache spark	Lecture Notes in Networks and Systems	Switzerland		373	2021
Real-time resource monitoring framework in a heterogeneous kubernetes cluster	IEEE				2022
HRRMLQ: Container scheduling algorithm on edge nodes cluster	In AIP Conference Proceedings				2023

Conferences in which I participated:

Research Title	Name of conference/seminar/workshop	Venue of the conference/seminar/workshop	Date
Android based application for hiding information in sketch image	The First International Scientific Conference of Cihan University	Erbil	2014
A survey of scheduling tasks in big data: Apache spark	In International Conference on Micro-Electronics and Telecommunication Engineering	Ghaziabad, India	2021
Real-time resource monitoring framework in a heterogeneous kubernetes cluster	Muthanna International Conference on Engineering Science and Technology (MICEST)	Samawah, Iraq	2022
HRRMLQ: Container scheduling algorithm on edge nodes cluster	2nd International Conference of Mathematics, Applied Sciences, Information and Communication Technology (ICMAICT)	Babylon, Hilla, Iraq	2022

Published Scientific Chapters:

Chapter Title	Book Title	Publishing Institution	Year of Publication	Number of pages
DEEP LEARNING FOR COMBATING COVID-19 PANDEMIC IN INTERNET OF MEDICAL THINGS (IOMT) NETWORKS: A COMPREHENSIVE	Advanced AI and Internet of Health Things for Combating Pandemics	Springer International Publishing	2023	25
A STUDY ON ENERGY MANAGEMENT FOR LOW-POWER IOT DEVICES	Low Power Architectures for IoT Applications	Springer International Publishing	2023	24
SMART HEALTHCARE: EMERGING TECHNOLOGIES, APPLICATIONS, CHALLENGES, AND FUTURE RESEARCH DIRECTIONS	Smart Cities IoT Technologies, Big Data Solutions, Cloud Platforms, and Cybersecurity Techniques	CRC Press\ Taylor & Francis Group	2023	26
EDGE COMPUTING FOR IOT	Learning Techniques for the Internet of Things	Springer Nature Switzerland	2024	20
FEDERATED LEARNING FOR IOT/EDGE/FOG COMPUTING SYSTEMS	Federated Learning Principles, Paradigms, and Applications	Apple Academic Press	2024	29

Published books

Book Title	Publishing Institution	Year of Publication	Number of pages
Parallel Execution of the Steganography in Images on the Android Platform	LAP LAMBERT Academic Publishing	2019	148

Courses(s) I have taught:

Course name (subject)	Academic year	University/ Institution
Computer Graphics Laboratory	2017	University of Mosul / College of Computer Science and Mathematics / Department of Computer Science
Data Structures and Algorithms Laboratory	2017	University of Mosul / College of Computer Science and Mathematics / Department of Computer Science
Operating Systems	2019 - 2023	University of Ninevah / College of Electronic Engineering / Department of Computer and Informatics Engineering
Intelligent Systems and Software Engineering	2020 - 2022	University of Ninevah / College of Electronic Engineering / Department of Computer and Informatics Engineering
Data Structures and Algorithms	2022 - 2023	University of Ninevah / College of Electronics Engineering / Department of Computer and Informatics Engineering
Operating Systems	2022 - 2023	University of Ninevah / College of IT / Departments of Software and Computer Networks and the Internet
Data Structures and Algorithms	2022 - 2023	University of Ninevah / College of IT / Department of Software
Introduction to E-Governance	2022 - 2023	University of Ninevah / College of IT / Department of Software
Software Development Models	2023 - 2024	University of Ninevah / College of IT / Department of Software
Big Data Analytics	2023 - 2024	University of Ninevah / College of IT / Department of Software
Mobile Application Development	2023- 2024	University of Ninevah / College of IT / Department of Computer Networks and the Internet
Network Programming	2023 - Present	University of Ninevah / College of IT / Department of Computer Networks and the Internet
Distributed Systems	2023 - Present	University of Ninevah / College of IT / Department of Computer Networks and the Internet
Network Operating Systems	2024-2025	University of Ninevah / College of IT / Department of Computer Networks and the Internet

Scientific Seminars, Continuing Education Courses, and Workshops in which I participated:

Seminar/Workshop Name	Location	Date
Introduction to Convolutional Neural Networks	Computer Center / Presidency of the University of Ninevah	04/10/2023
Mechanism of Using the Student System in the Bologna Process	University of Ninevah / College of IT	13/12/2023
Using LaTeX for Writing Scientific Research Papers	University of Ninevah / College of IT - Continuing Education Course	05–07/02/2024
Time Management	University of Ninevah / College of IT / Workshop by Career and Employment Unit	22/04/2024
Delving into Object Detection and Recognition Using Artificial Intelligence: A Training Program	University of Mosul / College of Engineering / Department of Mechatronics Engineering - Training Course	28/04–05/05/2024
Smart Phone Application Development	University of Ninevah / College of IT / Workshop by Career and Employment Unit	1/10/2024
Automated Management of Images, Tables, and Equations in Word and Citation of References in Scientific Research Using EndNote	University of Ninevah / College of IT - Continuing Education Course	07–09/10/2024

Note: This CV has been updated until 20/11/ 2024