Norah Meshari Alnaim

POSITION: Assistant Professor

Personal Data

Nationality | Saudi

Date of Birth | 19/01/1986

Department | Computer Science

Official UoD Email | Nmalnaim@iau.edu.sa

Office Phone No. |

Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
1441/08/27	PhD	Brunel London University	United Kingdom
1433/09/14	Master	St Mary's University at San Antonio	United States
1429/07/13	Bachelor	King Faisal Univeristy	Saudi Arabia

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Hand Gesture Recognition using Deep Learning Neural Networks
Master	Fantastic Child House
Fellowship	Associate Fellow

Professional Record: (Beginning with the most recent)

Job Rank		Place and Address of Work		Date
Lecturer		College of Science and Humanities Studies in Jubail		1434/10/19
Assistant Professor		College of Science and Humanities Studies in Jubail		1442/08/08

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Head of Computer	23	11/2021

Scientific Achievements

Published Refereed Scientific Researches
(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Cuiting Xu, Chunchuan Yan , Mingzhe Jiang , Fayadh Alenezi , Adi Alhudhaif, Norah Alnaim, Kemal Polat, Wanqing Wu.	A novel facial emotion recognition method for stress inference of facial nerve paralysis patients	Expert Systems with Applications March 2022
2	Chao Wu, Sannyuya Liu, Zeyu Zeng, Mao Chen, Adil Alhudhaif, Xiangyang Tang Fayadh Alenezi, Norah Alnaim, Xicheng Peng.	Knowledge graph-based multi-context-aware recommendation algorithm	Information Sciences March 2022
3	Bador Al sari, Rawan Alkhaldi, Dalia Alsaffar, Tahani Alkhaldi, Hanan Almaymuni, Norah Alnaim, Najwa Alghamdi,	Sentiment analysis for cruises in Saudi Arabia on social media platforms using machine learning algorithms	Springer open February 2022

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4	Imran Haseeb, Ammar Armghan, Wakeel Khan , Fayadh Alenezi , Norah Alnaim , Farman Ali , Fazal Muhammad , Fahad R. Albogamy, Nasim Ullah	Solar Power System Assessments Using ANN and Hybrid Boost Converter Based MPPT Algorithm	Applied Sciences November 2021
5	Khurram Hameed, Shanshan Tu , Nauman Ahmed , Wasim Khan, Ammar Armghan , Fayadh Alenezi , Norah Alnaim , Muhammad Salman Qamar, Abdul Basit, Farman Ali.	DOA Estimation in Low SNR Environment through Coprime Antenna Arrays: An Innovative Approach by Applying Flower Pollination Algorithm	Applied Sciences August 2021
6	Ammar Armghan , Junaid Tariq , Fayadh Alenezi , Norah Alnaim , Ayman Alfalou, Saad Rehman.	HEVC's Intra Mode Selection Using Odds Algorithm	Electronics July 2021
7	Muhammad Salman Qamar, Shanshan Tu , Farman Ali , Ammar Armghan , Muhammad Fahad Munir , Fayadh Alenezi, Fazal Muhammad , Asar Ali, Norah Alnaim.	Improvement of Traveling Salesman Problem Solution Using Hybrid Algorithm Based on Best-Worst Ant System and Particle Swarm Optimization	Applied Sciences May 2021
8	Norah Alnaim, Maysam Abbod, Rafiq Swash.	Recognition of Holoscopic 3D Video Hand Gesture Using Convolutional Neural Networks	Technologies April 2020
9	Norah Alnaim, Maysam Abbod.	Hand Gesture Detection Using Neural Networks Algorithms	IJMLC journal December 2019

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	Abdulelah Aldhahir, Jaber Alqahtani, Malik Althobiani, Saeed Alghamdi, Abeer Alanazi, Norah Alnaim, Abdullah Alqarni, Hassan Alwafi.	Current Knowledge, Satisfaction, and Use of E-health Mobile Application (Seha) among the General Population of Saudi Arabia: A National Survey	Journal of Multidisciplinary Healthcare	March 2022

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Norah Alnaim, Maysam Abbod, Abdullrahman Albar.	Hand Gesture Recognition Using Convolutional Neural Network for People Who Have Experienced A Stroke	2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT) Octobar 2019
2	Norah Alnaim, Maysam Abbod	Mini gesture detection using neural networks algorithms	The SPIE March 2019
3	Norah Alnaim, Maysam Abbod	Gesture Recognition and Classification using Intelligent Systems	2017 Imperial College Computing Student Workshop (ICCSW 2017) 2018

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date

Current Researches

#	Research Title	Name of Investigator(s)
1	3D Hand Gesture Detection using Convolutional Neural Networks	Norah Alnaim
2	Hand Gesture Recognition Framework Using a Lie Group Based Saptio-Temporal Recurrent Network with Multiple Hand-Worn Motion Sensors	Norah Alnaim Shu Wang, Prof. Aiguo Wang, Prof. Mengyuan Ran Li Liu, Prof. Dr. Yuxin Peng, Prof. Ming Liu, Prof. Guoxin Su, Prof. Adi Alhudhaif Fayadh Alenezi
3	Deepfake: Generating the detection videos using deep learning algorithms	Norah Alnaim Zaynab Almutairi Manal S. Alsuwat Hana H. Alalawi Jowhara Alshobaili
4	Underwater Image Dehazing for novel Depth Estimation and Optimal Ambient Light	Norah Alnaim Fayadh Alenezi

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution

Membership of Scientific and Professional Societies and Organizations
- British Machine Vision Association
- Institute of Electrical and Electronics Engineers (MIEEE)
- Institution of Engineering and Technology (IET)
- Associate fellow from Higher Education Academy in UK

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Selected Topics (1)	COMP 325	Teaching
2	Computer Skills	COMP 131	Teaching

#			
3	Drawing and Computer Vision	COMP 411	Teaching
4	Project Proposal	CS 511	Supervision
5	Project Implementation	CS 521	Supervision
6	Professional Responsibilities	CIS 413	Teaching
7	Software Engineering	CS 411	Teaching
8	Human Computer Interaction	CIS 422	Teaching

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1			
2			

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	
2	

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
	Undergraduate	16	1441/12/22	1442/5/1

	Undergraduate	11		1442/5/1	1442/10/10

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization

Committee Membership

#	From	To	Position	Organization
	22/12/1442	07/01/1443	E-Learning Coordinator	College of Science and Humanities Studies in Jubail
	22-12-1442	**Till now**	Scientific Committee	College of Science and Humanities Studies in Jubail

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Computer
2	Technology
3	Volunteering
4	Researching

Last Update

27/03/2022