Meernah Mohammed Masoud Al-abdullah

Teaching Assistant

Personal Data

Nationality | Saudi

Date of Birth | 18 July 1995

Department | Biomedical Engineering

Official UoD Email | mmmalabdullah@iau.edu.sa

Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2018	Biomedical Engineering BC's	Dammam	Imam Abdurhman Bin Faisal University

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Teaching Assistant/ Demonstrator	Imam Abdulrahman Bin Faisal University	Saudi Arabia	Dammam	Sep 2018 - Ongoing

Scientific Achievements

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Meernah Al-abdullah, Ala'a Elsh , Ala'a Zkary , Aljuhrah.	مفهوم الذات وتأثيره على التحصيل الدراسي لدى طالبات السنة التحضيرية How the self-concept affect the academic achievement on the preparing year students.	Fifth scientific conference. 11-12-1435 H.

2	Meernah Alabdullah, Mahbubnnabi Tamal, Maram Alqarni, Dana Alotaibi, Fatimah Najeeb, Mona Alhwajm Noor Alhwaj	Smartphone: A Cost-Effective Point-Of-Care (POC) Medical Device for Non-Invasive Diagnosis of Anemia.	• ICRM (International conference on radiation medicine) -2018 in Riyadh. • IEEE GCC Conference in Kwait-2019.

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
	Meernah Alabdullah, Mahbubnnabi Tamal, Maram Alqarni, Dana Alotaibi, Fatimah Najeeb, Mona Alhwajm Noor Alhwaj **Supervised by:** Dr. Mahbubnnabi Tamal, Engr. Maram Alqarni	Smartphone: A Cost-Effective Point-Of-Care (POC) Medical Device for Non-Invasive Diagnosis of Anemia.	May,2018

Current Researches

#	Research Title	Name of Investigator(s)
1	A section/sub-section in the report (IJ Contribution): Development of advance machine learning algorithm to utilize the statistical radiomics features models to distinguish between healthy organs and tissue with diseases and to monitor changes. (**Under Prepration**)	Dr.Ibrahim Aljmaan Dr.Mahbubnnabi Tamal Eng.Maha Alshmmari **Eng.Meernah Alabdullah** Ms.Rana Hourani,…
2	A smart mask to protect from the coronavirus, monitor coughing and predict contagiousness (**Under Prepration**)	Dr.Loal Elsahmarani Dr.Abdulhakeem Alomari Eng.Maha Alshmmari **Eng.Meernah Alabdullah** Eng.Sana Sahroukh
3	Development of user-friendly tool to assess the suitability of educational buildings for students with multiple Sclerosis. (**under review**).	Arch.Mohjah Alabdullah Dr.Haala Elwakeel **Eng.Meernah Alabdullah** Pt.Manar Alabdullah Dr.Hanaa Aljwader
4	An integrated Framework with machine learning and radiomics for accurate and rapid early diagnosis of COVID-19 from chest X-ray (**under review**)	Dr.Mahbubunnabi Tamal Eng.Maha Alshmmari **Eng.Meernah Alabdullah** Ms.Rana Hourani Hossian Abu Alola Tarek Hegazi

Membership of Scientific and Professional Societies and Organizations

#	From	To	Role	Organization
1	2017	2018	Member in SSBE	SSBE
2	2018	2019	Member in IEEE	IEEE

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Biomedical Equipments	BIOEN 462	Site Visits
2	Advance computer Programming	COMP 361	Labs
3	Microprocessors	BIOEN 442	Labs
4	Computer Programmign	COMP 212	Labs
5	Introduction to communication and Network	ENG 442	Tutorials+Asssement
6	Digital desisgn	ENG 451	Labs
7	Pyhiscs	PHYS 271	Labs+Assment
8	Intorduction to biomedical optics	BIOEN 504	Labs
9	Biomedical iMAGE processing	BIOEN 563	Labs+ one lecture
10	Electrical circuits	ENG 331	Labs
11	Biomedical Imaging	BIOEN 553	Labs
12	Biomedical digital siganl processing	BIOEN 513	Labs+ two lectures
13	Research Methedology	HUMN 402	Asssessment

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
	Design Studio-9	Tour In The Research Center of Amputation Cases From Biomedical Engineering Perspective	College of Design	9/9/2020

Administrative Responsibilities, Committee and Community Service

Committee Membership

Administrative Position	Office	Date
Member of summer training committee	Biomedical engineering department-IAU	2018 to date
Member of IT committee	Engineering college-IAU	2018-2020

Member of public relations and media (*Leader of the excutive team*)	Engineering college-IAU	2018 to date
Member of the safety committee	Engineering college-IAU	2019- to date
Member of Alumni and Professional Development Committee	Engineering college-IAU	2018-2019
Member of community Service	Biomedical Engineering department-IAU	2019-to date

Volunteer Work

#	From	To	Type of Volunteer	Organization
1	2017	2018	Organizer	Saudi scientific society for biomedical engineering.
2	2018	2021	Speach	Overview about BMED for prepration year-engineering trak.
3	2019	-	organizer	Brest cancer awarness event.
4	2020	2021	Workshop about robotics	Mawhiba, ministry of education

Personal Key Competencies and Skills:

C++ /C programming language
Matlab and Simulink
Multisim simulation circuits program
AutoCAD
P.C.B. design program.
Design Circuits.
Using testing machine of materials.
Design digital applications.
Leadership skills.
Web developing (HTML, CSS).
Using x-ray machine in laboratory.
Using MRI machine in laboratory.
Skills of complete software life cycle.
Mplab program/ Protus simulation program.
Artificial intellegance using Python.

Last Update

…13…../…2…/2021