



Sana Ijlal Shahrukh

Lecturer

Biomedical Engineering Department,
College of Engineering,
Imam Abdulrahman Bin Faisal University P.O. Box: 1982, Dammam 31441, Saudi Arabia
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Language Proficiency

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

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
June 2011	M.E (Electronic Engineering)	Pakistan	NED University of Engineering & Technology
April 2006	B.S (Biomedical Engineering)	Pakistan	Sir Syed University of Engineering & Technology

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

Master	Micro System Design
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Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Lecturer	Biomedical Engineering Department	Imam Abdulrehman Bin Faisal University	Dammam, KSA	29 Dec 2016 till date
Assistant Professor	Biomedical Engineering Department	Sir Syed University of Engineering & Technology	Karachi, Pakistan	March 2012- Oct 2014
Lecturer	Biomedical Engineering Department	Sir Syed University of Engineering & Technology	Karachi, Pakistan	Sept 2007- March 2012
Jr. Lecturer	Biomedical Engineering Department	Sir Syed University of Engineering & Technology	Karachi, Pakistan	June 2007-Sept 2007



Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Sales & Service Admin officer And Service Engineer Biomedical Department.	BioTech Pakistan Pvt. Ltd, Karachi, Pakistan	Dec 2005 – June 2007

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	K. Hameed, S. I. Shahrukh and I. S. Ateeq,	Design of Monitoring System for Respiratory Diagnosis,	2022 IEEE International IOT, Electronics and Mechatronics Conference (IEMTRONICS), Toronto, ON, Canada, 2022 , pp. 1-8, doi: 10.1109/IEMTRONICS55184.2022.9795832
	Sania Riaz, Maria Zahid, Rizwan-ur-Rehman , Beenish Aftab, Muhammad Imran and Sana Ijlal Shahrukh.	Effect of Phytoestrogens in the Treatment of Polycystic Ovary Syndrome in Rat Model.	<i>Journal of Food and Nutrition Research.</i> 2022 ; 10(7):518-525. doi: 10.12691/jfnr-10-7-11
	IS Ateeq, K Hameed, M Khowaja, Sana H. Khan	Design and Implementation of Digital Tele Stethoscope	World Congress on Medical Physics and Biomedical Engineering 2018, 867-873
2	RM Siddiqui, DZ Moghaddam, TR Turlapati, Sana H. Khan , I UI Ahad	X-Ray Intensity Measurement Using Frequency Output Sensor for Computed Tomography	International Journal of Biomedical and Biological Engineering, 2013
3	S. Manazir Hussain, Ijlal Shahrukh Ateeq, Kamran Hameed, Aisha Tahir, S.M.Omair, S. Imran Alam Sana H. Khan	A Novel Body Temperature Measuring and Data Transmitting System Using Bio - Sensors and Real-Time Transmission Technique.	Springer Berlin Heidelberg,2011



Current Researches

#	Research Title	Name of Investigator(s)
1	A smart mask to protect from the coronavirus, monitor coughing and predict contagiousness.	Lola El Sahmarany, AlOmari, Abdul-Hakeem Alshammari, MAHA Alshammari , Meernah Al-abdullah, Maram Alaqarni, Sana Ijlal Shahrukh,

Membership of Scientific and Professional Societies and Organizations

- Pakistan Engineering Council , Registration Number: Biomedical /198

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Biomedical Instrumentation Design	BIOEN 432	Labs
2	Summer Training I	BIOEN 333	Lectures
3	Computer Programming	COMP 212	Lectures +Labs
4	Biomed. Electronics & Measurement	BIOEN 431	Labs
5	Senior Design Project I (Lecture)	BIOEN 531	Lectures +Labs
6	Foundation of Biomechanics	BIOEN 312	Lectures+Labs
7	Design of Medical Devices	BIOEN 521	Tutorials
8	Digital Design	ENG 451	Lectures +Labs
9	Engineering Drawing	ENG 222	Lectures +Labs
10	Summer Training II	BIOEN 444	
11.	Biomedical Equipment	BIOEN 461	Lectures
12	Microprocessor	BIOED442	Lecture+lab

Student Academic Supervision and Mentoring

#	Level	Number of Students
1	Undergraduate	8

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



Committee Membership

#	From	To	Position	Organization
1	Feb 2021	date	Member of Quality Committee	Biomedical Engineering Dept. IAU
2	Sept 2019	date	Member of Senior Design Committee	Biomedical Engineering Dept. IAU
3	Jan 2017	date	Member of Student advisory committee	Biomedical Engineering Dept. IAU
4	June 2017	date	Member of Lab and safety Committee	Biomedical Engineering Dept. IAU

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

1	MATLAB
2	AutoCAD
3	Multisim
4	Microsoft Operating System
5	LabVIEW
6	Labscribe
7	C-Language
8	MPlab IDE
9	Proteus

Last Update:

03/May/2023