

Kamran Hameed

Lecturer

Personal Data

Department | Biomedical Engineering

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Language Proficiency

Language	Read	Write	Speak
Arabic	Basic	-	-
English	Advanced	Advanced	Advanced
Urdu	Advanced	Advanced	Advanced

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
01/08/2009	Master of Engineering in Electronic Engineering	Karachi-Pakistan	N.E.D. University of Engineering & Technology
01/04/2006	Bachelor of Science in Biomedical Engineering	Karachi-Pakistan	Sir Syed University of Engineering & Technology

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Lecturer	Department of Biomedical Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Dammam, Kingdom of Saudi Arabia	01/07/2013 to Present
Assistant Professor	Department of Biomedical Engineering, Sir Syed University of Engineering & Technology, Karachi, Pakistan.	01/01/2010 to 30/06/2013

Lecturer	Department of Biomedical Engineering, Sir Syed University of Engineering & Technology, Karachi, Pakistan.	01/01/2007 to 31/12/2009
Demonstrator	Department of Biomedical Engineering, Sir Syed University of Engineering & Technology, Karachi, Pakistan.	20/03/2006 to 31/12/2006

Scientific Achievements

#	Publication Details
1.	Kamran Hameed , Ijlal Shahrukh, Sana Hyder Khan, Shafia Tabassum.(2020),An EEG analysis approach towards brain-to-brain synchronization. IEEE CSDE/i-COSTE-2020,Goldencost Australia[Virtual]
2.	Hameed, K., Hussain, M., & Shahrukh, I. (2018). Monitor aided radio control mobile robot (MARCMR). (pp. 593-598). Springer Singapore. https://doi.org/10.1007/978-981-10-9038-7_110
3.	Ateeq, I. S., Hameed, K. , Khowaja, M., & Khan, S. H. (2018). Design and implementation of digital tele stethoscope. (pp. 867-873). Springer Singapore. https://doi.org/10.1007/978-981-10-9038-7_160
4.	Saadia Talay, Fatimah Alhamoud, Amjad makky, Huda Al-Mubarak, Noor Aljabr, Mahbubunnabi Tamal, Kamran Hameed . Integration of 3D Virtual Reality (VR) in Diagnostic and Therapeutic Imaging. International conference on Radiation Medicine (ICRM 2018), Riyadh, Saudi Arabia.
5.	Tahani M. Al-Fareed Nora M. Al-Qahtani Bayan M. Al-Tuwaijri, Kamran Khawaja (2017). Measuring blood glucose level non-invasively using bio-impedance technique. 1st IEEE GCC SYP CONGRESS 2017, Kingdom of Bahrain, Manama, 7-8 May 2017
6.	Abid, M., Hepbaşlı, A., Saeed, K., Ali, H., Yousef, B.A., Khan, S.Z., & Hameed, K. (2016). A review of exergetic studies on solar collectors and solar cooling technologies for building applications. ISSN 2229-5518.
7.	Hameed, K. , Khan, M. M., Ateeq, I. S., Omair, S. M., Ahmer, M., & Wajid, A. (2013). Solar power water distillation unit. <i>Journal of Physics. Conference Series</i> , 450, 12015. https://doi.org/10.1088/1742-6596/450/1/012015
8.	Hameed, K. , Muzammil Khan, M., Shahrukh Ateeq, I., Khan, A., & Ali, M. Wireless fire security system for hospitals. (pp. 266-269). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-32183-2_67
9.	Habib Amber, Ijlal Shahrukh and Kamran Hameed . (2013).Biometric Security System based on Fingerprint Recognition. International Journal of Scientific Engineering and Technology.
10.	Ateeq, I. S., Hameed, K. , Muzammil Khan, Khalid, J., & Ali, M. Proposed implementable model of computer interfaced electrocardiogram (ECG) module. (pp. 229-232). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-32183-2_59
11.	Hussain, S. M., Ateeq, I. S., Hameed, K. , Tahir, A., Omair, S. M., Alam, S. I., & Khan, S. H.A novel body temperature measuring and data transmitting system using bio - sensors and real-time transmission technique. (pp. 245-248). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-21729-6_65
12.	Hameed, K. , Azhar, F., Shahrukh, I., Muzammil, M., Aamair, M., & Mujeeb, D. Telemetric epilepsy monitoring and seizures aid. (pp. 278-281). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-14998-6_71
13.	Bhatti, M. I., Hameed, K. , & Khalid, S. G. Significance of “The insulcagon pump” in the treatment of diabetes. (pp. 646-649). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-03885-3_179
14.	Khalid, S. G., Bhatti, M. I., & Hameed, K. (2010). Advancement in insulcagon pump simulating as an artificial pancreas for the treatment of diabetes. Paper presented at the 1-5. https://doi.org/10.1109/ICIET.2010.5625698

Research Projects

#	Name of Investigator(s)	Current Research project	Funded Body
1.	Mahbubunnabi Tamal PI) Kamran Hameed (RA)	Characterization and quantification of tissue heterogeneity in multi-modal/spectral oncological and cardiac images for diagnosis and treatment assessment.	DSR-IAU
2.	Mahbubunnabi Tamal PI) Kamran Hameed (RA)	Development of a comprehensive prototype of revolutionary micro molecular computed tomography (micro-mCT) system	DSR-IAU
3.	Ibrahim Aljamaan PI) Kamran Hameed (RA)	Robotic Arm Control Using Artificial Intelligent Techniques	DSR-IAU

Membership of Scientific and Professional Societies and Organizations

- Pakistan Engineering Council, Registration Number: Biomedical /183
- Aligarh Muslim Old University boy's association , Registration number: L-1525
- IEEE

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1.	Magnetic Resonance Imaging	BIOEN 573	Labs & Tutorials
2.	Microprocessor	BIOEN 442	Lecturers & Labs
3.	Biomedical Imaging System	BIOEN 553	Labs
4.	Control systems in BME	BIOEN 541	Labs & Tutorials
5.	Digital Design	ENG 451	Labs & Tutorials
6.	Electrical Circuits	ENG 331	Labs & Tutorials
7.	Electronic Devices and Circuits	ENG 332	Labs & Tutorials
8.	Biomedical Electronics and Measurement	BIOEN 431	Labs & Tutorials
9.	Biomedical Instrumentation	BIOEN 432	Labs & Tutorials
10.	Summer Training - I	BIOEN 333	Lecturers & Labs
11.	Senior Design Project - I	BIOEN 531	Tutorials & Project help
12.	Senior Design Project - II	BIOEN 532	Tutorials & Project help
13.	Signal and Systems	BIOEN 461	Labs & Tutorials
14.	Design of Medical Devices	BIOEN 521	Tutorials

Administrative Responsibilities, Committee and Community Service

#	From	To	Name of the committee
1	2019	till date	eLearning College of Engineering Unit
2	2017	till date	Lab and Safety Committee
3	2014	2015	Scientific Research and Higher Studies
4	2016	2018	Community Services and sustainable development projects committee, College of Engineering,

Technical Training Attended.

#	Training	Trainer	Date
1	National Instrument Lab view core 1	National Instruments	22 nd April 2018 to 24 th April,2018
2	National Instrument LabVIEW core 2	National Instruments	25 th April 2018 to 26 th April 2018
3	National Instrument Data acquisition using LabVIEW	National Instruments	29 th April 2018 to 1 st May,2018
4	Introduction to LabVIEW Graphical Development Environment	National Instruments	20 th June, 2018
5	Introduction to LabVIEW Real-Time and LabVIEW FPGA	National Instruments	21 st ,June , 2018
6	NI MyRio and MyRio kits Startup and MyDAQ	National Instruments	22 nd June 2018
7	NI Multisim Training and Circuit Design and ELVIS.	National Instruments	23 rd June , 2018
8	NI Elvis and SIGEx Startup	National Instruments	24 th June 2018
9	NI Biomedical Toolkit Introduction, Working on iWorx biomedical board, iWorx Sensors Package, Vernier Sensors	National Instruments	27 th June 2018
10	NI LabVIEW Machine Vision and Smart Camera startup	National Instruments	28 th June 2018
11	NI LabVIEW Control toolbox & The Quanser QUBE™-Servo integrated, modular servomotor control concepts.	National Instruments	29 th June , 2018
12	Biomechanics sensors.	Biometric Inc.	16 th March 2018 to 23 rd March , 2018

13	Phywe X-rays/CT/MRI/AFM	Phywe Germany	
14	VNA and spectrum analyzer	Keysight technologies	28th March , 2018
15	Fluke safety analyzer and Biomedical stimulator Installation and training	Fluke Co.Ltd	19th April , 2019
16	KL-730 Biomedical Measurement Training System	K&H MFG, Co.Ltd	6 th March 2018 to 7 th March, 2018
17	Phywe Laser safety kits/ Educational Laser kits	Phywe, Germany /eLas co.Ltd	24 th Dec 2018 to 26 th Dec ,2018
18	3D-Printing	MakerBot- USA	May 2015
19	PCB-Printing	LPKF – S63- Single and Double Layer (FR4 and TMM substrates)	May 2015

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Senior Design Project	05	2016	2017
2	Senior Design Project	04	2015	2016

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

1	LabVIEW programming (advanced)
2	MATLAB programming (advanced)
3	C + programming
4	Assembly Language programming (advanced)
5	Verilog (Hardware description language) programming
6	Arduino programming
7	Origin (advanced)
8	GraphPad Prism (Advanced)
9	MS Office
10	Microsoft Operating Systems
11	SolidWorks
12	AVR studio
13	MPLAB
14	Keil
15	COMSOL (Basic)

Last Update

14 / 02 / 2021