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Name		MUHAMMAD SHAKEEL AKRAM		
Designation		LECTURER		
Department		Electronic Engineering		
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Telephone Number		Office Extension	Ext: 401	
Qualification				
Year	Degree/Certificate	Name of the Institute/ University		Field of study
In Progress	PhD	Ulster University, UK		AI Accelerator
2020	MS/ Mphil	BUIITEMS, Quetta		Sparse Vector Processors
2015	Graduation	BUIITEMS, Quetta		Electronic Engineering
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	ZigBee-based Parameter Monitoring and Controlling Scheme for Multiple DC Motors.	Indian Journal of Science and Technology	International	January 24, 2020
Work Experience				
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1	2016	-	Electronic Engineering, BUIITEMS	Lecturer
2	Feb 2020	Dec 2021	Project of BUIITEMS with NAVTTC under Pakistan's Prime Ministers' Kamyab Jawan National Youth Development Program.	Instructor
3	March 2016	July 2016	Operations, Pakistan Telecommunication Company Limited (PTCL)	Management Associate
4	Feb 2014	March 2014	Quetta Electric Supply Company (QESCO)	Internee Engineer
Area of specialization		FPGA Accelerators		
Research Interest		Vector Sparse Processors, AI Accelerators		
Future Research Plans		Low Power Hardware Architectures for AI on Edge		
Research grants/ Projects		FPGA-Based Multicore Vector Processor for Efficient Non-Zero Based Vector Computations using Xilinx AI inference of CNN Classifier for 5 Heart Beats on Arduino Nano		

BLE 33 Sense.
Power Efficient RF Communication Jamming Techniques
XBee-based Parameter Monitoring and Controlling Scheme for
Multiple DC Motors using AVR-ATMega 32 funded by National ICT
R & D Pakistan now known as Ignite National Technology Fund.

Additional Information

Certifications:

Associate Fellow of Higher Education Academy (AFHEA) from the Advance HE, UK.

Machine Learning Using Python held at BUIITEMS

IEEE Search Strategies to Maximize your Research Experience

Outcome Based Education System workshop held at BUIITEMS

University Teaching Workshop held at BUIITEMS

Professional Development Training Program workshop held at BUIITEMS

Management Associate Program Training held at PTCL Training Center

Functional Training Sw, Txn and IP at PTCL Training Center

Personal Leadership Training at PTCL Training Center

Microsoft Specialist Certificate (MS Office 2016)

Diploma in Information Technology (DIT)

Workshops/Trainings Organized:

ICE-CUBE Conference 2021 at BUIITEMS, as member with Program Committee

Undergraduate Research Colloquium (URC) 2019 at BUIITEMS, as member of Judges Committee

Workshop "Innovation Fair 2018" at BUIITEMS

Workshop "Electronic Circuit Design Competition" in the year 2016 at BUIITEMS#

Workshops/Trainings Attended:

Presented "Bubble Sorting" project on "Data Structure Day" held at BUIITEMS

Got First Position in IEEE-ICT Undergraduate Research Colloquium 2015 held at BUIITEMS