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Name	Dr. Bakhtiar Khan Kasi			
Designation	Professor/Dean			
Department	Computer Engineering			
Faculty	Faculty of Information and Communication Technology (FICT)			
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
2015	PhD	University of Nebraska-Lincoln, USA	Computer Science	
2007	MS/ Mphil	SZABIST, Karachi	Computer Science	
2005	BS/BE	Bahria University, Karachi	Software Engineering	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Analysis of Digital Video Broadcast Second Generation Satellite (DVB-S2) for Simultaneous Voice Communication & TV Broadcast	Journal of Applied and Emerging Sciences	National	2021
2	An Evaluation of Peaks and Troughs in OSS Projects	Balochistan Journal of Engineering and Applied Sciences (BJEAS)	National	2021
3	An Ontology-Driven Decision Support System for Rice Crop Production	Journal of Applied and Emerging Sciences	National	2021
4	Impact of E-Service Delivery on Client Satisfaction: A Case of NADRA Pakistan	Balochistan Journal of Engineering and Applied Sciences (BJEAS)	National	2021
5	Energy Consumption and Optimization of Oven Drying of Chlorella Vulgris using Response Surface Methodology	Balochistan Journal of Engineering and Applied Sciences (BJEAS)	National	2020
6	Evaluating the Effectiveness of Notations for Designing Security Aspects	2020 22nd International Conference on Advanced Communication Technology (ICACT)	International	2020
7	Miniaturized and flexible FSS-based EM shields for conformal applications	IEEE Transactions on Electromagnetic Compatibility	International	2020

8	A neural network-inspired approach for improved and true movie recommendations	Computational intelligence and neuroscience	International	2019
9	Comparison of modern techniques for analyzing NFRs in Agile: A systematic literature review	Journal of Software Engineering Practice	National	2019
10	Efficient Multilevel Cache Design for Solid State Drive's	Journal of Applied and Emerging Sciences	National	2019
11	An intelligent and smart environment monitoring system for healthcare	Applied Sciences	International	2019
12	Highly Efficient Zinc Oxide Nanostructure Based Gas Sensor For Domestic Application	Journal of Pakistan Institute of Chemical Engineers	National	2018
13	A Survey of Machine Learning Approaches for Speech Recognition	Bahria University Journal of Information & Communication Technologies (BUJICT)	National	2017
14	Analysis of The Impact of Environmental Factors on Efficiency of Different Types of Solar Cells	Journal of Applied and Emerging Sciences	National	2017
15	Performance evaluation of AODV, DSDV and DSR routing protocols in unplanned areas	University of Engineering and Technology Taxila. Technical Journal	National	2017
16	Constraints Resolution in Semi-Automated Course Allocation Process for Educational Institute	Journal of Applied and Emerging Sciences	National	2017
17	Mitigating Network Congestion through MPLS-TE Based Load Balancing Using Alternate Optimal Path	Bahria University Journal of Information & Communication Technologies (BUJICT)	National	2016
18	Proactive Task-Conflict Avoidance through Constraint Processing	CSE Technical reports, UNL	International	2011
19	A Degree of Conflict Model for Workspace Awareness	CSE Technical reports, UNL	International	2011

Paper Presented

S. No	Title of Paper	Name of Conference	National/ International	Date
1	Predicting solar irradiance using machine learning techniques	2019 15th International Wireless Communications & Mobile Computing Conference (IWCMC)	International	2019
2	Improving Validity of Disaster Related Information by Identifying Correlation Among Different Social Media Streams	International Conference on Intelligent Technologies and Applications	International	2019

3	Analysis of Twitter Usage in Educational Institutions of Pakistan	International Conference on Intelligent Technologies and Applications	International	2018
4	Minimizing software conflicts through proactive detection of conflicts and task scheduling	Proceedings of the 22nd ACM SIGSOFT International Symposium on Foundations of Software Engineering	International	2014
5	Recommending task context: automation meets crowd	International Workshop on Context in Software Development (FSE Companion)	International	2014
6	Cassandra: Proactive conflict minimization through optimized task scheduling	2013 35th International Conference on Software Engineering (ICSE)	International	2013
7	How to evaluate a conflict minimizing task scheduler through a user study	2013 2nd International Workshop on User Evaluations for Software Engineering Researchers (USER)	International	2013

Books Authored/ Edited

S. No	Name of book	Publisher	ISBN

Work Experience

S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1	2021	Date	BUIITEMS	Professor (BPS-21)
2	2018	Date	BUIITEMS	Dean
3	2018	2021	BUIITEMS	Associate Prof (BPS-20)
4	2008	2018	BUIITEMS	Assistant Prof (BPS-19)
5	2006	2008	ITIM Systems (Pvt) Limited, Karachi	Senior Software Engr.

Area of specialization

Software Engineering, Machine Learning

Research Interest

Data Analytics, Artificial Intelligence, Geographic Information Systems

HEC Approved supervisor

Yes

If Yes, provide HEC URL

<https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/AP S-EPORTAL.aspx>

Application Id: 33684

Research grants/ Projects

- PI, HEC National Center of GIS and Space Applications for "Spatial Decision Support System Lab", BUIITEMS, (PKR 70 million), 2020-2023.
- Co-PI, South Korea EDCF country program mission (CPM) and HEC for "Center for Cyber Security & Digital Forensics", (USD 52.5 million), 2019.

- Co-PI, HEC National Center of Robotics and Automation for "Controls and Automation Research Lab", BUIITEMS, (PKR 80 million), 2018-2021.
- PI, BUIITEMS ORIC Grant, (PKR 0.2 million), 2018-19
- PI, BUIITEMS ORIC Grant, (PKR 0.2 million), 2018-19

Additional Information

Dr. Bakhtiar Kasi is a well-rounded academic leader. Dr. Kasi, the Dean of the Faculty of Computer Sciences at Balochistan University of Information Technology & Management Sciences (BUIITEMS), also chaired the Department of Computer Engineering, demonstrating his commitment to academic excellence and administrative duties. Dr. Kasi's expertise extends beyond academia, as he brings valuable industry experience as a former Senior Software Engineer specializing in retail systems and Point of Sale projects for clients in the UK.

Dr. Kasi's research grants demonstrate his expertise. He received PKR 70 million from the HEC National Center of GIS and Space Applications as the PI for establishing the "Spatial Decision Support System Lab" at BUIITEMS. He was also a Co-Principal Investigator (Co-PI) for two other notable projects: the "Center for Cyber Security & Digital Forensics" in collaboration with South Korea EDCF country program mission and HEC, and the "Controls and Automation Research Lab" funded by the HEC National Center of Robotics and Automation, with USD 52.5 million and PKR 80 million grants, respectively.

Academic conferences and professional engagements show Dr. Kasi's commitment to his field. He chaired ICE Cube 2021's Conference and served as TPC Chair for ICE Cube 2018 and TCP Co-Chair for ICE Cube 2016. Dr. Kasi has also been a core organizing member of the Quetta Literary Festival (QLF) for multiple years, promoting literary and intellectual activities in the region.

As a recognized professional, Dr. Kasi possesses the Professional Engineer designation from the Pakistan Engineering Council (PEC) and has received the prestigious IEEE Senior Fellow distinction. He is a Higher Education Commission (HEC)-approved supervisor and received the Fulbright Ph.D. Award from 2010 to 2015. Under his leadership, the Faculty has achieved significant academic milestones and earned esteemed accreditations, including recognition from HEC NCRC, NCEAC, and PEC.

Dr. Kasi actively contributes to the academic community as a member senate of the University of Loralai and in a number of statutory bodies, such as the Finance and Planning, Syndicate, and Academic Council at BUIITEMS. His diversified skills and dedication to academic success make him a valued asset to the institution and the Faculty.