



BUITEMS

Quality & Excellence in Education

ISO 9001-2008 certified

www.buitms.edu.pk

UAN: 081- 111-717-111



Name		Dr. Syed Attique Shah		
Designation		Associate Professor		
Department		Information Technology		
Faculty		FICT		
E-mail address		Official	attique.shah@buitms.edu.pk	
Telephone Number		Office Extension	081-111-717-111 (777)	
		Mobile	03133381833	
Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
	Post Doctorate			
2019	PhD	Istanbul Technical University, Turkey	Geographic Information Technologies (IT Applications)	
2013	MS/ Mphil	BUITEMS	Information Technology	
2010	Graduation	BUITEMS	Information Technology	
Publications in HEC Recognized journals <i>Cumulative Impact Factor = (66.535)</i>				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Towards Disaster Resilient Smart Cities: Can Internet of Things and Big Data Analytics Be the Game Changers?	IEEE Access (IF: 3.367)	International	2019
2	The Rising Role of Big Data Analytics and IoT in Disaster Management: Recent Advances, Taxonomy and Prospects	IEEE Access (IF: 3.367)	International	2019
3	A survey on artificial intelligence approaches in supporting frontline workers and decision makers for the COVID-19 pandemic	Chaos, Solitons & Fractals (IF: 5.944)	International	2020

4	Systematic Literature Review on IoT-Based Botnet Attack	IEEE Access (IF: 3.367)	International	2020
5	Design, analysis, and validation of Radio Research Agency reverberation chamber	International Journal of Communication Systems (IF: 2.047)	International	2020
6	A Novel De-Ghosting Image Fusion Technique for Multi-Exposure, Multi-Focus Images Using Guided Image Filtering	IEEE Access (IF: 3.367)	International	2020
7	An Efficient Counter-Based DDoS Attack Detection Framework Leveraging Software Defined IoT (SD-IoT)	IEEE Access (IF: 3.367)	International	2020
8	A Scalable Key and Trust Management Solution for IoT Sensors Using SDN and Blockchain Technology	IEEE Sensors Journal (IF: 3.301)	International	2021
9	The Role of AI, Machine Learning, and Big Data in Digital Twinning: A Systematic Literature Review, Challenges, and Opportunities	IEEE Access (IF: 3.367)	International	2021
10	Towards Enabling Multihop Wireless Local Area Networks for Disaster Communications	Wireless Communications and Mobile Computing (IF: 2.336)	International	2021
11	Smart Traffic Control: Driving Violation Identification on Fog Devices using Mobile Camera	Sustainable Cities and Society (IF: 7.587)	International	2021
12	A Cyber-Physical System and Graph-Based Approach for Transportation Management in Smart Cities	Sustainability (IF: 3.251)	International	2021
13	A Time-Efficient Approach Towards DDoS Attack Detection in IoT Network using SDN	IEEE Internet of Things Journal (IF: 9.471)	International	2021
14	A novel multimodality anatomical image fusion method based on contrast and structure extraction	International Journal of Imaging Systems and Technology (IF: 2.00)	International	2021
15	A Comprehensive Survey on Data Dissemination in Vehicular Ad Hoc Networks	Vehicular Communications (IF: 6.90)	International	2021

Conference Paper Presented			
S. No	Title of Paper	Name of Conference	Date
1	Twitter Streaming Data Analytics for Disaster Alerts	2 nd IEEE International Informatics and Software Engineering Conference, Ankara, Turkey	Dec 16- 17, 2021
2	Grand Reports: A Tool for Generalizing Association Rule Mining to Numeric Target Values	International Conference on Big Data Analytics and Knowledge Discovery, DaWaK, Bratislava, Slovakia	September 14–17, 2020
3	Big Data Analytics in Association Rule Mining: A Systematic Literature Review	3 rd International Conference on Big Data Engineering and Technology (BDET), Singapore	January 16 - 18, 2021
4	Application of Generalized Relevance Linear Vector Quantization for Diabetes Diagnosis	4 th International Conference on Innovative Computing (ICIC), Lahore, Pakistan	November 9-10, 2021
5	A Framework for Enhancing Real-time Social Media Data to Improve Disaster Management Process	28 th International Cartographic Conference, Washington, DC, USA	July, 2017
6	Integrating Data Source Possibilities for Geo-Business Intelligence	GEOSPATIAL WORLD FORUM, Rotterdam, Netherlands	May, 2016
7	VANET Thread Based Message Trust Model	IEEE 8 th International Conference on Digital Information Management	September, 2013
8	Employing Information Technology Infrastructure Library to Solve Cloud Computing Security Issues	International Conference of Computer and Emerging Technologies (ICCET) 2013	March, 2013

Speaker		
S. No	Title of Talk	Name of Conference
1	The Rising Role of Big Data Analytics in the Internet of Things: State-of-the-art Advances and Prospects	2 nd International Conference on Information Science & Communication Technology 2020
2	Geo-Forensic and Geo-Health Component of Spatial Decision Support System Lab, National Center of GIS and Space Applications, Pakistan	Seventh International Conference on Aerospace Science & Engineering (ICASE), 2021, Islamabad, Pakistan

Books Authored/ Edited				
S. No	Name of book	Publisher	ISBN	
1	Advances in Cartography and GIScience (Lecture Notes in Geoinformation and Cartography)	Springer	978-3-319-57335-9	
Work Experience				
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1	Dec, 2021	Present	BUIITEMS, Quetta	Associate Professor
2	Feb, 2020	Sep, 2021	BUIITEMS, Quetta	Chairperson Department of CS
3	July, 2014	Dec, 2021	BUIITEMS, Quetta	Assistant Professor
4	Sep, 2011	July, 2014	BUIITEMS, Quetta	Lecturer
5	Oct, 2018	Aug, 2019	Information Systems Group, Tallinn University of Technology	Research Assistant
Area of specialization		Big Data Analytics, GIT, Internet of Things		
Research Interest		Information Management, VGI, SDN, Blockchain		
HEC Approved supervisor		Yes (87403)		
If Yes, provide HEC URL		http://sc.hec.gov.pk/aphds/		
Additional Information				
<ul style="list-style-type: none"> •HEC Pakistan Approved PhD Supervisor, recognized supervisor for doctoral students funded under various HEC PhD Scholarship Programs •Granted fully funded scholarship by Dora Plus study mobility program for doctoral students from October 2018 to January 2019 at Tallinn University of Technology, Estonia. •Acquired Taiwan Elite Internship Program from February to April 2018 at National Chiao Tung University, Taiwan. •Awarded with the International Cartographic Association (ICA) grant of 1000 Euro for presenting research paper as a young scientist in cartography and GIScience at ICC2017 Washington DC, USA. •Secured the Erasmus+ Programme Scholarship to continue doctoral studies from September 2017 to February 2018 at Tallinn University of Technology, Estonia. •Granted fully funded Student Exchange JTRE Program Scholarship in July 2016 by the University of Tokyo, Japan. •Selected for ATHENS Programme in March 2016 at Technical University of Madrid, Spain. •Granted fully funded Türkiye Bursları Scholarship for Ph.D. from 2014-2019 at Istanbul Technical University, Turkey. •Designated with Excellence Award for the 2013 Best Teacher in Faculty of ICT, BUIITEMS, Pakistan. •Selected for HEC FATA-Balochistan Scholarship for Post Graduate Studies, 2011. •Designated with Gold Medal by the Chancellor BUIITEMS for MS (Information Technology). •Secured overall First Position in BS (Information Technology), Batch Fall 2006. •Acquired Merit Scholarship from 1st to 8th Semester in BS (Information Technology). 				

Funded Projects:

- Co-Principal Investigator

Spatial Decision Support System (SDSS) Lab under the National Center of GIS and Space Applications (NCGSA)

Capital Cost: 965.121 Million PKR

Allocated Cost: 69 Million PKR

Duration: 36 Months

- Co-Principal Investigator

BUITEMS-ORIC Large-scale Competitive Grants

Smart Traffic Light Scheduling for Efficient Vehicle Flow

Allocated Cost: 2.0 Million PKR

Duration: 6 Months

- Project Lead

3PA ICA Adaptation Project on using GIS for food security

United Nations, World Food Programme (WFP)

Short Bio:

Dr. Syed Attique Shah has been associated with Balochistan University of Information Technology, Engineering, and Management Sciences since 2011. He has completed his Ph.D. from Istanbul Technical University, Turkey in September 2019. During his Ph.D., he studied as a Visiting Scholar with the National Chiao Tung University, Taiwan, University of Tokyo, Japan and Tallinn University of Technology, Estonia, where he completed the major content of his thesis. He has published research papers in reputable Q1 journals. He has presented number of research papers in internationally renowned conferences. His research interests include big data analytics, cloud computing, information management and the Internet of Things.