CVs of Academic Staff

Full name:	Muhammed Basheer.	Jasser		
Email:	basheerj@sunway.edu.my			
Webpage:	https://university.sunway.edu.my/profiles/sci-tech/muhammed-jaseer			
Contact No:	0102942250 (what's up)			
Academic qualifications	Level	Name of Awarding Institution and Country		Year Awarded
	Ph.D of Computer Science	University Putra Malaysia		2018
	Master of Computer Science (Software Engineering)	University Putra Malaysia		2013
	Bachelor in Computer Engineering	Universi	ty of Aleppo	2009
i Current Professional Membership:	 Member, Institute of Electrical and Electronics Engineers (IEEE) Member, IEEE Computational Intelligence Society Member, IEEE Computer Society Member, the Institute of Electronics, Information and Communication Engineers (IEICE) Member, Formal Methods Europe (Research Group) Member, Syrian Engineers Association 			
E Current Teaching and	Teaching at Sunway University			
Administrative Responsibilities	Programme		Subjects taught	
	Bachelor of Softward Engineering (Hons), (Hons) in Computer	BSc	CSC3209 Software Architecture and Design Patterns	
	Bachelor of Softward Engineering (Hons), (Hons) in Computer	e BSc	SWE3053 Software Evolution and Maintenance	

	DIPLOMA IN	PRG10	1D Concepts of Proble	em Solving
	INFORMATION			
	TECHNOLOGY			
	DIPLOMA IN	PRG10	102D Basic Programming Concepts	
	INFORMATION			
	TECHNOLOGY			
	BSc (Hons) in Computer	CSC204	CSC2044 Concurrent Programming	
	Science			
	Administrative at Sunway University: DCIS Research Council (Member)			
Previous				
Employment	Name of Employer		Position Held	Start and
				End Date
	Faculty of Computer Science and		Research Fellow	02/2017-
	Information Technology, Un	iversity		12/2018

Information Technology, University		12/2018
Putra Malaysia		
Faculty of Computer Science and	Research Assistant	02/2014-
Information Technology, University		02/2017
Putra Malaysia		
Faculty of Computer Science and	Developer of	07/2013-
Information Technology, University	Composition in	02/2014
Putra Malaysia	UML-B	
Technical Computer Institute, Aleppo	Lecturer	09/2010-
University, Syria		02/2012
Aljasser Institute for Computer & IT,	Instructor	01/2004-
Syria		1/2012
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Conferences

Date	Conference/Training Attended		
2018	iCiCSE-2018-INTERNATIONAL CONFERENCE ON		
	INNOVATION OF COMPUTER SCIENCE AND		
	ENGINEERING, Kuching, Sarawak, Malaysia		
2019	APPLIED INFORMATICS INTERNATIONAL		
	CONFERENCE AiIC 2019, Penang, Malaysia		
2019	WORKSHOP : Strategies follow in writing the citable index ISI WOS paper : "Multi-Layer Systematic Review", Penang, Malaysia		
	2018 2019		

- v Research and Publications
 Current research: Formal Methods, Formal Specification, Formal Verification, Artificial Intelligence, Machine Learning
 - Muhammed Basheer Jasser, Mar Yah Said, Jamilah Din and Abdul Azim Abdul Ghani. A Survey on Refinement in Formal Methods and Software Engineering, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), 2019.
 - Muhammed Basheer Jasser, Jamilah Din, Rodziah Atan and Yusmadi Yah Jusoh. The Measurement of Safety Criteria in Safety Critical Systems, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), 2019.
 - Mohammed Ibrahim, Muhammed Basheer Jasser, Mohd Taufik Abdullah, and Azizol Abdullah, Formalization of IoT Digital Forensic Triage for Identification of IoT Devices under Investigation. International Journal of Engineering and Advanced Technology (IJEAT), 2019
 - Jamilah Din, Ilori Michael, and Muhammed Basheer Jasser, SOFTWARE REQUIREMENTS PRIORITIZATION TOOL USING A HYBRID TECHNIQUE. International Journal of Engineering and Advanced Technology (IJEAT), 2019.
 - Muhammed Basheer Jasser, Mar Yah Said, Abdul Azim Abdul Ghani, and Pathiah Abdul Samat. A method for matching models in UML-B. Journal of Theoretical and Applied Information Technology, Volume 96- No 3, February 2018.
 - Jamilah Din, Rodziah Atan, Yusmadi Yah Jusoh, and Muhammed Basheer Jasser. Towards Employing Metrics in Measuring the Quality of Software Safety Critical Systems and Managing their Development, International Journal of Engineering & Technology (IJET), Vol 7, No 4.31 (2018).
 - Jamilah Din, Ooi Chiew Wei, and Muhammed Basheer Jasser. Automated Code Optimizer as an Energy Assistant in Green Computing Applications, International Journal of Engineering & Technology (IJET), Vol 7, No 4.31 (2018).
 - Muhammed Basheer Jasser, Fatimah Sidi, Aida Mustapha and Abdulelah Khaled T Binhamid, Mining Students' Characteristics and Effects on University Preference Choice: A Case Study of Applied Marketing in Higher Education, International Journal of Computer Applications (0975 - 8887), Volume 67 - No. 21, April 2013

- Muhammed Basheer Jasser, Mohamad Sarmini, and Rauf Yaseen. "Ant Colony Optimization (ACO) and a Variation of Bee Colony Optimization (BCO) in Solving TSP Problem: A Comparative Study." International Journal of Computer Applications 96.9 (2014).
- Ali Dehghantanha Mohammed Ibrahim, Mohd Abdullah, and Muhammed Basheer Jasser, Formal Approach for Investigating SPIT Scenario, 3RD CMI - GTUC INTERNATIONAL CONFERENCE-APPLICATIONS OF MOBILE COMMUNICATIONS IN AFRICA: PROSPECTS & CHALLENGES, 2014
- Muhammed Basheer Jasser, Mar Yah Said, Abdul Azim Abdul Ghani, and Pathiah Abdul Samat. Towards Shared Variable Decomposition Support in Rodin UML-B, Information Technology Colloquium, FSKTM, UPM, (INTEC), (2015).
- Muhammed Basheer Jasser, Mar Yah Said, Abdul Azim Abdul Ghani, and Pathiah Abdul Samat. A method of shared-variable decomposition in UML-B. Journal of Systems and Software, (Submitted)
- Muhammed Basheer Jasser, Mar Yah Said, Abdul Azim Abdul Ghani, and Pathiah Abdul Samat. A method of pattern reuse in UML-B, (Submitted)
- Muhammed Basheer Jasser, Jamilah Din, Mar Yah Said, and Abdul Azim Abdul Ghani. A Survey on Decomposition in Formal Methods and Software Engineering, AiIC, Malaysia, 2019 (Submitted)
- Muhammed Siraj, Muhammed Basheer Jasser, Mohd. Izuan Hafez Hj. Ninggal, Nur Izura Udzir, Aziah Asmawi, Muhammad Daniel Hafiz Abdullah. Towards formal verification of Blockchain Consensus Mechanism, AilC, Malaysia, 2019 (To be Submitted).
- Muhammed Basheer Jasser, Mar Yah Said, Abdul Azim Abdul Ghani, and Pathiah Abdul Samat. Extending UML-B language to support shared-variable decomposition, (To be Submitted).
- Muhammed Basheer Jasser, Mar Yah Said, Abdul Azim Abdul Ghani, and Pathiah Abdul Samat. A method of shared-variable composition in UML-B, (To Be Submitted).

	Journal Referee (Technical Reviewer) (IEEE Access, IEEE) iCiCSE-2018-INTERNATIONAL CONFERENCE ON INNOVATION OF				
	COMPUTER SCIENCE AND ENGIN		VALION O		
	MySec2018- Malaysian Software Engin	neering Conference			
Community service	UPMISA (Country Representative) at University Putra Malaysia	International Student Asso	ciation at		
Other relevant information	Industrial Experience and Projects				
	Project	Organization/Company	Years of Experience		
	Rodin (Event-B, UML-B)	Collaborative research development (University Putra Malaysia and University of Southampton)	2012-2019		
	Supporting Development of UML-B Models	University Putra Malaysia	2012-2019		
	AutomatedShared-EventDecomposition Support for UML-B	University Putra Malaysia	2012-2013		
	Mining University Data for Decision Making	University Putra Malaysia	2012-2013		
	Shared-Event composition editor for UML-B	University Putra Malaysia	2013-2014		
	Employees Identity and Salary System	AlJasser Institute	2008-2009		
	A software development package metrics for safety critical systems	University Putra Malaysia	2017-2019		
	ADMINISTRATIVE POSITIONS		E 2018		
		NOVATION OF COMPUTER SCIENCE AND			
	Supervisor of undergraduate students pr (technical computer institute)	ctor of Aljasser institute for computer and information			
	Director of Aljasser institute for computechnologies courses				
	Session Chair at AiIC-2019- APPLIED INTERNATIONAL CONFERENCE	INFORMATICS	2019		

Honours and awards	
Malaysian Technical Cooperation Program scholarship (MTCP) for	2014-2017
postgraduate studies	
International Graduate Research Fellowship (IGRF) (University	2014-
Putra Malaysia)	2018
Best Paper Award- AiIC-2019- APPLIED INFORMATICS	2019
INTERNATIONAL CONFERENCE	