



FACULTY FULL NAME: Dr.Gomathi Krishnasamy

Personal Data

Nationality | Indian
Date of Birth | 15th June 1978
Department | Computer Information System
Official UoD Email | gkrishna@iau.edu.sa
Office Phone No. 0537623921

Language Proficiency

Language	Read	Write	Speak
Arabic	No	No	No
English	Yes	Yes	Yes
Others (Tamil)	Yes	Yes	Yes

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
May, 2019	Ph.D	Sathyabama Institute of Science and Technology	Tamilnadu, India
May, 2005	M.Phil (Computer Science)	Bharathidasan University	Tamilnadu, India
May, 2001	MCA (Master of Computer Applications)	Mother Teresa Women's University	Tamilnadu, India

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	A Secured Cluster based Group Key Management for Multicast in MANET
Master M.Phil	An Analysis over VPN protocols-- Distinction
Master MCA	Java based Hand held device shopping-- First Class
Fellowship	



Professional Record: (with the most recent)

Job Rank	Place and Address of Work			Date
Lecturer	Dammam, Saudi Arabia	College of Computer Science and Information Technology, Imam Abdulrahman Bin Faisal University	Department of Computer Information System	Sep 2016 - till date
Senior Lecturer	Tamilnadu , India	Mamallan Insitute of Technology	Department of Master of Computer Applications	Jul 2010 – Sep 2011
Senior Lecturer	Tamilnadu , India	Sathyabama University	Department of Master of Computer Applications	May 2008 - Jun 2010
Lecturer	Tamilnadu , India	Vellammal Engineering College	Department of Master of Software Engineering	Jan 2008 - Apr 2008
Lecturer	Tamilnadu , India	Dr.Mahalingam College of Engineering and Technology	Department of Master of Computer Applications	May 2005- Dec 2007
Lecturer	Tamilnadu , India	Sree Saraswathi Thiyagaraja College	Department of Computer Science	Jun 2002- Apr 2005

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
	K.Gomathi and Dr. B. Parvathavarthini,	An Efficient Secure Group Communication in MANET Using Fuzzy Trust Based Clustering and Hierarchical Distributed Group Key Management"	Wireless Personal Communications, Springer US, Impact factor 0.701, May 2016



Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
	Gomathi Krishna et al	Assessment of information extraction techniques, models and systems	Mathematical Modelling of Engineering Problems	June 2022
	Gomathi Krishna et al	Smart Attendance Management System	IJCSNS International Journal of Computer Science and Network Security,	June 2022
	Gomathi Krishna et al	Relative Time Quantum-based Enhancements in Round Robin Scheduling	Computer Systems Science & Engineering,	March 2021
	Gomathi Krishna et al	Employability prediction: a survey of current approaches, research challenges and applications	Journal of Ambient Intelligence and Humanized Computing	June 2021
	Gomathi Krishna et al	Improving Mental Healthcare Using a Human Centered Internet of Things Model and Embedding Homomorphic Encryption Scheme for Cloud Security	Journal of Computational and Theoretical Nanoscience	May 2019
	K.Gomathi and Dr. B. Parvathavarthini,	An Efficient Secure Group Communication in MANET Using Fuzzy Trust Based Clustering and Hierarchical Distributed Group Key Management"	Wireless Personal Communications, Springer US, Impact factor 0.701,	May 2016
	K.Gomathi and Dr. B. Parvathavarthini	An Enhanced Distributed Weighted Clustering Routing Protocol For Key Management	Indian Journal of Science and Technology (Scopus Indexed) vol 8, Issue 4, pp 342-348	Feb 2015
	K.Gomathi and Dr. B. Parvathavarthini,	An Enhanced Distributed Weighted Clustering Algorithm for Intra and Inter Cluster Routing in MANET	Int. J. of Innovative Research in Computer Communication Engineering, Vol 2, Issue 12, pp 7566- 7572	Dec 2014



Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and PublicationDate
	Gomathi Krishna et al	Sa'ah: Creative Eco-friendly Mobile Application That Encourages Living Sustainably	2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), 2022, pp. 2021-2026, doi: 10.1109/ICACCS54159.2022.9785006.
	Gomathi Krishna et al	Severity Prediction of COVID-19 Patients Using Machine Learning Classification Algorithms: A Case Study of Small City in Pakistan with Minimal Health Facility, doi: 10.1109/ICCC51575.2020.9344984.	IEEE 6th International Conference on Computer and Communications (ICCC)
	Gomathi Krishna et al	Dental Pager: Interactive Mobile Application to Enhance Supervision of Dental Colleges Students, DOI: 10.1109/CAIS.2019.8769593.	2nd International Conference on Computer Applications & Information Security (ICCAIS), Riyadh, Saudi Arabia, IEEE Explore on (July 2019)
	Gomathi Krishna et al	Performance dashboard for productive families-Case application with Wud charity in eastern province of Saudi Arabia	2nd International Conference on Computer Applications & Information Security (ICCAIS), Riyadh, Saudi Arabia, IEEE Explore on (July 2019)
	Gomathi Krishna et al	Impact of Social Media on Emotional State of Saudi Female Millennials in Eastern Province of Saudi Arabia (A pilot study of emotional factors: jealousy, sadness and motivation)	2018 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, USA
	Gomathi Krishna	A Secure Clustering in MANET through Direct Trust Evaluation Technique	ICCC15, PNU, Riyadh Saudi Arabia, IEEE Explore, April 27-28, 2015
	Gomathi Krishna	Novel Weight Based Intra Cluster Group key Management Applying RSA Algorithm	SAM'12, WORLDCOMP'12, Las Vegas, USA, 16-19 July, 2012
	Gomathi Krishna	Weight based clustered key management scheme using RSA for wireless Mobile Adhoc Networks	ICOAC-2011, Anna University, India, IEEE Explore, 14 -16 Dec 2011
	Gomathi Krishna	An efficient cluster based keymanagement in MANET	TISC-2010, Sathyabama University, India, IEEE Explore, 17 -19 Dec 2010



Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
	Dr.Gomathi	Improving Readiness of Youth to Enter the Labor Market (Education for Employment): How and What Factors Influence Employment/ Unemployment among IAU (CCIST-female) students	December 2020

Membership of Scientific and Professional Societies and Organizations

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Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Communications and Computer Networks	CIS 315	25
	Network Protocols & E-Commerce	CIS325	25
	Computer Data Security	CIS 425	25
	DBMS	CIS321	25
	Datamining & Warehousing	CIS517	25
	Technical Reports	CIS313	25
	Professional Responsibility	CIS 413	25

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

B.Sc Computer Science

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	MCA(Master of Computer Applications)
2	MSc (Software Engineering)

Course Coordination

#	Course Title and Code	Coordination	Undergrad	Postgrad	From	To
	Data mining CIS 517	Coordinator	yes		Sep 2019	Dec 2019



	Database Concepts & Design- CIS 321	Coordinator	yes		Jan 2020	May 2020
	Technical Reports- CIS 313	Coordinator	yes		Jan 2020	May 2020

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Committee Membership

#	From	To	Position	Organization
	Sep 2018	July 2022	Teaching & Learning Unit Member	IAU
	Sep 2021	Till date	Exam Unit	IAU
	Sep 2022	Till Date	AI Quality Unit	IAU
	Sep 2019	Sep 2022	COOP Unit	IAU
	Sep 2022	Till Date	Post Graduate and Scientific Unit	IAU

Last Update

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