

FACULTY FULL NAME: Gomathi Krishnasamy

POSITION: Lecturer

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	Sep 2016 - till date

			System	
Senior Lecturer	Tamilnadu, India	Mamallan Insititute 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

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date

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	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 Publication Date
	Gomathi Krishna	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	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	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 key management 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

Current Researches

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

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution

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)
	Computer Networks	CIS 315	25
	Network Protocols & E-Commerce	CIS325	25
	Computer Security	CIS 425	25
	DBMS	CIS321	25
	Datamining	CIS517	25

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

B.Sc Computer Science

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Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1			
2			

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

1	MCA
2	MSc

Course Coordination

#	Course Title and Code	Coordinati on	Co-coordination	Undergr ad.	Postgrad .	From	To
	Data mining CIS 517	Coordinat or		yes		Sep 2019	Dec 2019

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date

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

Administrative Responsibilities

#	From	To	Position	Organization

Committee Membership

#	From	To	Position	Organization
	Sep 2018	Till date	Teaching & Learning Unit Member	IAU

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	
2	

Last Update

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