

Name: M.Girija

Designation:Assistant Professor

Department:Computer Science

Date of Joining:24.9.2009

Phone with Extn. No: 8825919733

Email:girija@americancollege.edu.in



Google Scholar: <https://scholar.google.com/citations?hl=en&user=VDvHFjgAAAAJ>
Orchid id :0000-0002-4667-7282

Educational Qualification:

Degree	Subject	College / University & Place	Year Completed
Ph.D	Computer Application	Madurai Kamaraj University	2018 (Year of Regd.)
SET	Computer Application	Bharathiar University	2012
M.Phil	Computer Science	Madurai Kamaraj University	2007
MCA	Computer Application	Madurai Kamaraj University	2002
PGDCA	Computer Application	Lady Doak College, Madurai	1998
B.Sc	Mathematics	Sri Meenakshi College Madurai.	1996

Specialisation in Teaching:

Operating Systems, RDBMS,Java,C, C++, Data structure, Web echnology, Mobile Technologies, Data mining. Enterprise Resource Planning, .Net, Business Intelligence Systems, Computer Network,Software Engineering, Python, Cryptography and Network Security

Specialisation in Research:Cryptography, Internet of Things

Research Interests:Data mining, MANET, Network Security

Other Work Experience:

Designation	Institution / Company	Year - From (month/year) To (month/year)
Assistant Professor	The American College	From Sep2009 to Till date
Lecturer	Sourashtra College	From July 2007 to Sep 2009
Guest Lecturer	Madurai KamarajUniversity	From July 2005 to May 2007

Administrative /Academic Position/s (held/currently holding):

Positions held / currently holding	Year - From (month/year) To month/year)
Department Level:	
NAAC Working Committee (Member)	July 2012 – Till date
Library Committee(Member)	July 2014- Till date
Admission Work (Member)	July 2012 – Till date
Academic Advisor	July 2012 – Till date

Articles Published in International Journals:

S.No	Paper Title	Name of the Journal	Volume & Date
1.	PriPresent:An embedded prime LightWeight block cipher for smart devices	Peer-to-Peer Networking and Applications, Springer. (SCI Indexed Journal)	Volume 13 Issue 5, September 2020
2	DIBPresent: a Dynamic Integer Based Lightweight Cryptography for Resource Constrained Devices	International Journal of Advanced Science and Technology (Indexed by Scopus)	Vol. 29 No. 8s, 2020
3	Comprehensive Analysis on Lightweight Cryptographic Algorithms for Low Resource Devices	TEST Engineering & Management (Indexed by Scopus)	November-December 2019 ISSN: 0193-4120 pp. 3747 - 3760
4	Routing schemes and protocols for internet of things: A review	International Journal of Theoretical Applied Sciences ISSN:2249-3247	Vol10(1) January-June 2018.
5.	Investigation of Fuzzy logic based energy efficient routing protocol in MANET	International Journal of Applied Engineering Research(IJAER), ISSN 0973-4562(Online) (Indexed by Scopus)	Volume:3 PP 23274-23278 May 2015

6..	Performance Comparisons of Routing Protocols in Mobile Ad Hoc Networks	International Journal of Wireless and Mobile Networks (IJWMN), ISSN:0975-3834 (Online), 0975-4679(Print).	Volume: 3, Number 1, PP 98-106. February 2011
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Conference/Seminar Presentations:

Publications in Conferences :(International)

S.No	Paper Title	Name of the Conference	Place & Date
1	Industry4.0 : Data security challenges and Future research directions	ICDT2020`	The American college, Mar 5-6, 2020
2	Comprehensive approach in studying the behavior of Contiki RPL protocol in diverse data transmission	International conference on computer vision, networks and informatics,	Gandhigram rural institute deemed to be university, Mar-22,2018.
3	Investigation of Fuzzy logic based Energy efficient routing protocol in MANET	Hi-Tech Trends in Emerging Computational Technologies, 2015	Sethu Institute of Technology, Madurai. 8 th Apr 2015

Publications in Conferences :(National)

S.No	Paper Title	Name of the Conference	Place & Date
1.	Resource constrained devices using lightweight cryptography	PRIME2019	Periyar University, March 21 st and 22 nd 2019
2.	Energy efficient and Secure Communication in Mobile Ad Hoc Networks	NCINM 2011	Thiagarajar college of Engineering, Madurai. 17 th and 18 th March 2011
3.	Security Perspectiveness on Mobile Ad hoc Network Routing protocols	NCETST 2011	Arul Anandar College, Madurai. 10 th and 11 th March 2011
4.	Performance Evaluation of group mobility schemes in MANET	NCRTSC 2010	Thiagarajar School of Management, Madurai. 27 th Feb. 2010
5.	Virtual Organization	NCEPM 2008	The American College, Madurai.15 th March 2008
6.	High Performance Computing for Financial Institutions	RTAC 2008	Thiagarajar School of Management, Madurai. 17 th April 2018

Workshops attended:

S.No	Topic	Place	Date
1	Data science and Big data	Arul Anandar college	10 th january 2020
2	Artificial intelligence and machine learning	Fatima college	26 th sep 2019
3	Artificial intelligence and future of IT in machine learning Age	Sri meenakshi Govt Ars college	1 st April 2019
4.	Research initiation to publication	Kalasalingam academy of Research and Education	August 2018
5.	Practical python	Thiagarajar college of Engineering	sep 3 rd to 9 th 2017
6.	Hands on Training Hadoop	Thiagarajar college of Engineering	15 th and 16 th July 2016
7	Network Simulation using NS3	Thiagarajar college of Engineering	7 th and 8 th August 2015
8	MATLAB	Fatima college	21 st January 2015
9.	Quality circle in education	The American college	16 th July 2014
10.	IBM Rational tools	K.L.N college of Engineering	26 th to 29 th December 2007
11	Quality Excellence and Quality sustenance in Education	Sourashtra College	21 st August 2009
12	Business Intelligence	Fatima College	14 th February 2009
13.	Women run ICT Enterprises	Park plaza	17 th November 2006
14	Social Responsibilities of Business	CED campus	27 th October 2006

Webinar attended

S. No	Topic	Place	Date
1	E learning tools	The American college	16.5.2020 &17.5.2020
2	Software project management using artificial intelligence	The American college	14.5.2020 &15.5.2020
3	An approach to prevent from network attacks	N.G.P institute of technology	25.5.2020 to 26.5.2020
4	Industrial applications of data structure	Velammal engineering college	26.5.2020
5	User experience design and user interactive design	Kalasalingam university	25.5.2020 to 31.5.2020
6	Open access resources for effective teaching, learning and research	Mangayakarasi college	1.6.2020
7	The big3 : applications and research perspective	G.t.n arts college	3.6.2020

8	Power of data science and visualization	Velammal engineering college	5.6.2020
9	Role of iqac in maintaining quality standards in higher education	Government arts college for women	11.6.2020
10	Cyber security trends in 2020 and beyond	The american college	13.6.2020
11	Technology towards internet of things – present and future	Panimalar institute of technoloty	14.6.2020
12	Defining research problem in research methodology	Panimalar institute of technoloty	17.6.2020
13	Tools for video preparation in e content development	Sri meenakshi college	18.6.2020
14	Digital forensics and wireshark	Presidency college	19.6.2020
15	Bitcoin and cryptocurrency in block chain technology	Panimalar institute of technoloty	20.6.2020& 21.6.2020
16	Deep dive into emerging technologies like cloud, ai,ml,data analysis	Vaageswari college of engineering	22.6.2020 to 26.6.2020
17	Cyber security	Lekky reddy bali reddy college of engineering	26.6.2020 to 30.6.2020
18	Art of writing research articles and journal selection	Madurai sivakasi nadar poineer meenakshi womens college	27.6.2020
19	REVOLUTIONARY WAVE OF iot	Panimalar Institute Of Technoloty	29.6.2020
20	Artificial intelligence and data science	Annamacharya institute of technology and sciences	1.7.2020 to 3.7.2020
21	Hyderabad Institute of Technology and Management	Machine learning using python	6.7.2020 to 11.7.2020
22	Recent trends in digital technologies	The American college	7.7.2020 to 11.7.2020
23	Cyber security and data protection	Mangayakarasi Engineering college	13.7.2020
24	Data science- a tool for informed decision making	Mohamed sathak aj college of engineering	14.7.2020
25	Conceptual view of machine learning and deep learning	Madurai Kamaraj University	13.7.2020 to 14.7.2020
26	Recent Trends in Computational Technologies	Ashoka institute of engineering and technology	13.7.2020 to 18.7.2020
27	Ethical hacking and Data protection	Bhabha university	20.7.2020

Seminars attended:

S.No	Topic	Place	Date
1.	Research Issues and Challenges in Information & Communication Engineering	Anna University (Trichy) & KLN College of IT	25 th Feb-26 th Feb. 2010
2.	IT Services	Fatima College, Madurai.	26 th February 2009

Other Activities / Academic Credentials:

- BoS Member – GTN Arts & Science College, Dindigul
- Question Setter -Sourastra College, Mannar Tirumalai Naicker College
- Additional Examiner – MKUniversity, Sourastra College, Mannar Tirumalai Naicker College
- External Examiner- Fatima College, Sourastra College, Mannar Tirumalai Naicker College