


FACULTY INFORMATION

PERSONAL INFORMATION

Name	Prof. R Sukumar	
Designation	Professor & Head (ECE)	
Official Email ID	r.sukumar@jainuniversity.ac.in	
Academic Experience	25 years	
Industry Experience	1 year	
Core Discipline	ECE & CSE	
Specialization	Network Security	
Research Interest	Network Security, Cloud, IoT, Sensor Networks	

PROFESSIONAL QUALIFICATION

Qualification / Discipline (Start with UG degree)	Year of Passing	Institution
Ph.D.	2010	Anna University
ME	2004	Manonmanium Sundaranar University
BE	1992	Madurai Kamaraj University

MEMBERSHIP OF PROFESSIONAL BODIES

Professional Society	From Year	Nature of Membership
ISTE	2001	Lifetime Membership

SUMMARY OF RESEARCH PUBLICATIONS

INTERNATIONAL JOURNALS

Journal Name	Date, Volume & Issue No (From the Latest)	Paper Title
Computer Communications, Elsevier, Netherlands	February 2020, Vol 151, pp 111 - 118	Efficient pattern matching algorithm for security and binary search tree (BST) based memory system in wireless intrusion detection system.
International Journal of Data Analysis Techniques and Strategies, Inderscience, UK	In Press	Hybrid fuzzy logic and gravitational search algorithm based multiple filters for image restoration.
Computers and Electrical Engineering, Elsevier, Netherlands	March 2019, Vol 76, pp 94 - 110	Enhanced dual authentication and key management scheme for data authentication in vehicular ad hoc network.
Wireless Personal Communication, Springer, USA	September 2018, Vol 103, No. 4, pp 3189 – 3207	A swarm intelligence based clustering technique with scheduling for the amelioration of lifetime in sensor networks.
Concurrency and Computation - Practice and Experience, Wiley Blackwell, USA	April 2018, ISSN:1532 - 0634	Removal of salt and pepper noise from images using hybrid filter (HF) and fuzzy logic noise detector.
Cluster Computing, Springer, USA	January 2018, ISSN:1386 - 7857	Achieving energy efficiency using novel scalar multiplication based ECC for android devices in IoT environments.
Transylvanian Review	2018, Vol 24, No. 10	RFID - enhanced performance using clustering mechanism in large scale RFID system.
Circuits and System, Scientific Research Publishing, USA	July 2016, Vol 7, No. 9, pp 2729 - 2751	Metaheuristic based noise identification and image denoising using adaptive block selection based filtering.
International Journal of Applied Engineering Research	Vol 10, Issue 12, pp 28, Pp. 30775 - 30792	Optimal energy allocation through utility maximization in wireless sensor networks.
International Journal of Computer Science, Information Technology and Security(IJCSITS),	Vol 3, No. 2, April 13, pp 159 - 164	Sensor lifetime enhancement techniques in wireless sensor networks – A critical review.
Journal of Computer Science, Science Publications, USA	Vol 5, No. 12, pp 959 - 964	Server optimization using heuristic algorithms for dynamic split-and-merge scheme in wireless multicast.
International Journal of Emerging Research in Management and Technology	pp 46 - 51	FPGA implementation for energy efficiency in secure wireless sensor node - A critical review.
International Journal of Engineering Research and Technology	Vol 2, No 5, May 2013	An efficient cryptographic algorithm for mobile hand-held devices in wireless communication.
ERES International Journal of Computer Networks	Vol 1, No. 1, March 2013	RFID - tracking and scratch prophecy in real time wireless environment.
International Journal of Computer Applications	Vol 40, No. 1, February 2012	An experimental study on energy consumption of cryptographic algorithms for mobile hand-held devices.

International Journal of Management, IT and Engineering (IJMIE)	Vol 2, Issue 12, December 2012	Wireless adhoc network communication using failure insensitive routing for underground mines.
International Journal of Computer Applications (IJCA)	Vol 3 (6), 1886 - 1893, December 2012	An experimental study on optimized link state routing protocol for underground mines.
IOSR Journal of Computer Engineering (IOSR - JCE)	1, Vol 9, Issue 2, January - February 2013, pp 41 - 45	Efficient authentication protocols for mobile hand-held devices with minimum power consumption.
ICFAI University Press, India	Vol 5, No. 3, pp 57 - 64	Improving the scalability of secure multicast in wireless environments, ICFAI journal of information technology.
ICFAI Journal of Computer Science, ICFAI University Press, India	Vol 3, No. 4, pp 48 - 55	Multi server approach for large scale secure multicast in wireless environments.
Special Issue on Trusted Computing and Communications, Computer Society of Republic of China, Taiwan	Vol 20, No. 3. pp 47 - 54.	Enhancing the scalability of secure wireless multicast, journal of computers.

NATIONAL JOURNALS		
Journal Name	Date, Volume & Issue No (From the Latest)	Paper Title
Scientific Transactions in Environment and Technovation	Vol 8, No. 4, April - June 2015	A study on frequent subgraph mining algorithms and techniques for software bug localization.

SUMMARY OF CONFERENCES PARTICIPATED		
INTERNATIONAL CONFERENCES		
Name of the Conference	Organizer, Place	Year
IEEE International Conference in MOOC, Innovation and Technology in Education (MITE)	India	2013
International Conference on Communication and Signal Processing	India	2014
IEEE International Conference in MOOC, Innovation and Technology in Education (MITE)	India	2013
International Conference on Emerging Trends in Computer Communication Technologies	Maria College of Engineering and Technology, Nagercoil	2012
International Conference on Innovative Computing and Information Processing (ICICIP)	Mahendra Engineering College, Namakkal	2012
ICACC - 2007	Sethu Institute of Technology, Kariapatti	2007
IEEE International Conference on Control, Automation, Communication and Energy Conservation	Kongu Engineering College, Perundurai, Tamilnadu, India	2009
International Conference on E-Learning	P G P College of Engineering and Technology, Namakkal, India	2006

NATIONAL CONFERENCES		
Name of the Conference	Organizer, Place	Year
In Proc. Of National Conference on Information and Network Management (NCINM)	Thiagarajar College of Engineering, Madurai	2013
AICTE Sponsored National Conference on Hi - Tech Trends in Emerging Computational Technologies	Sethu Institute of Technology, Kariapatti	2012
National Conference	K S R College of Technology, Tiruchengode, India	2004

BOOKS PUBLISHED / MONOGRAMS		
Name	Year	Description
Computer Networks	2006	-

PAST POSITIONS HELD BEFORE PRESENT ASSIGNMENT		
Designation	From - To	Institution / Organization
Head of Department (CSE)	July 2016 - July 2018	Kalaingar Karunanidhi Institute of Technology, Coimbatore
Professor & Head	July 1999 - March 2016	Sethu Institute of Technology, Madurai
Head of Electronics Department	1995 - 1999	Kodaikanal Christian College

POSITIONS HELD IN THE PRESENT ORGANIZATION		
Designation	From - To	Institution / Organization
Professor & Head (ECE)	June 2018 - Till Date	Jain (Deemed-to-be University), Faculty of Engineering and Technology
Professor (CSE)	August 2018 to May 2018	Jain (Deemed-to-be University), Faculty of Engineering and Technology

RESEARCH GUIDANCE		
Total No. of Students Guided	Ph.D.	M.Phil
6	4	2