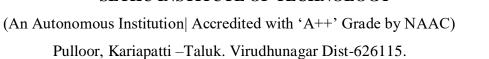


SETHU INSTITUTE OF TECHNOLOGY





Department of Computer Science and Engineering								
Name	Dr. D. Kavitha							
Date of Birth	07	7.05.1984						
Unique ID	1-11332280117							
Educational Qualifications	M.E.,Ph.D.,							
Designation	Associate Professor							
EmailID	d.kavitha@sethu.ac.in kavithadurairaj1984@gmail.com							
AlternateEmail ID					JA JANA			
	Industry	Teaching	Others	Total				
Experience	NIL	10 Years	(6 Yrs Doing Ph.D period)	16				
Dateof Joining the Institution		02.06.20						
Area of Specialization	Network engineering							
Courses taught	UG Programming Language Micro processor Computer system engineering Embedded systems Cryptography and network security Data communication and networks Compiler design Grid computing Object Oriented Programming Language.							

High speed networks Network security Mixed signal IC test and measurements Security Solutions in VLSI Software Defined Network, Network Security, Multicore Processing, Internet of Things, Network Virtualization, Cyber Security, Edge						
Nil						
Networking and Security domain						
National Journals	International Journals	Conferences				
02	4 (1-sci, 2-scopus,	04				
	1-scopus conference)					
Network Engineering						
Computer Science and Engineering						
Nil						
Nil						
Nil						
Nil						
	Network security Mixed signal IC test Security Solutions in Software Defined Ne Internet of Things, N computing. Networking and Se National Journals 02	Network security Mixed signal IC test and measurements Security Solutions in VLSI Software Defined Network, Network Security, Mularity Internet of Things, Network Virtualization, Cyber computing. Nil Networking and Security domain National Journals International Journals 02 4 (1-sci, 2-scopus, 1-scopus conference) Network Engineering Computer Science and Engineering Nil Nil Nil				

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AcademicCredentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E.	Electronics and Communication Engineering	Anna University, Chennai	2001-2005
PG	M.E.	Network Engineering	Anna University, Chennai	2006-2008
Ph.D.	Ph.D.	Computer Science and Engineering	Kalasalingam Academy of Research and Education	2025

Details of Journal Publication:

SCI Publications

1. Kavitha, D., & Ramalakshmi, R. (2024). Machine learning-based DDOS Attack Detection and Mitigation in SDNs for IoT environments. Journal of the Franklin Institute, 361(17), 107197.

Scopus Journals

- 1. Ramalakshmi, R., & Kavitha, D. (2024). DDoS Attack Mitigation using Distributed SDN Multi Controllers for Fog Based IoT Systems. International Journal of Intelligent Systems and Applications in Engineering, 12(4s), 57-69.
- **2.** D. Kavitha, R. Ramalakshmi, "Fog-based SDN for DDOS Attack Mitigation in IoT Systems: A Survey", *International Journal of Future Generation Communication and Networking*, Vol. 13, No. 4, (2020), pp.4161–4173.

Scopus Conferences

1. Kavitha, D., Ramalakshmi, R., & Murugeswari, R. (2019, December). The Detection and Mitigation of Distributed Denial-of-Service (DDOS) Attacks in Software Defined Networks using Distributed Controllers. In 2019 IEEE International Conference on Clean Energy and Energy Efficient Electronics Circuit for Sustainable Development (INCCES) (pp. 1-5). IEEE.

National / International Journals

1. C. M. Kalaiselvi and D. Kavitha, International Journal of Advanced and innovative Research published the paper titled "an efficient low power s-box implementation for AES using power gated PLA" vol.04, issue 11, Nov 2015.

2. D. Karthikeyan and Kavitha. D, International Journal of engineering and science published the paper titled "BCH decoder implemented on CMOS/NANO device digital memories for fault tolerance system design" vol.5, issue 5, may 2015.

Details of Conference attended:

National Conferences

1. D. Kavitha and K. Vimaladevi "Flow control using receiver side control algorithm in wireless networks", National conference on Advanced computing Technologies, Bannari Amman Institute of technology, Sathyamangalam, April 2008.

2. C. Velmurugan and D. Kavitha "Improving reactive mobility for collaborative target detection in wireless sensor networks", fifth National Conference on Recent Trends in information and communication technology held during 02-03 April 2012.

3. Senthil. P and D. Kavitha "Minimizing overload in mobile adhoc networks using EDRP" national conference on advanced computing and information technology held during 3rd may 2013 in Jerusalem college of engineering, Chennai-100.

4. Vinod Kumar. A and D. Kavitha "Implementation of multi cloud architecture for many task computing" national conference on advanced computing and information technology held during 3rd may 2013 in Jerusalem college of engineering, Chennai-100.

Details of Book Chapter and Books Published: NIL

Details of Patents Filed and Granted: NIL

Expert Lecture Delivered: NIL

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