

Resume

Name of the Staff : Dr.V.Kavidha
Designation : Associate Professor/CSE
Date of joining in the college : 21-09-2016
E-mail Id :kavidhacse@nec.edu.in
Mobile Number :9442054144
Personal Details
Age :43
Date of Birth :23-02-1977
Sex & Marital Status :Female & Married
Citizenship :Indian



Educational Qualification

Educational Qualification	Branch	Name of the Institution/University	Yr. of Passing	% of Marks	Class/ Division
Ph.D	CSE	Manonmaniam Sundaranar University	2016	–	–
M.E	CSE	Manonmaniam Sundaranar University	2004	70.2	First Class
B.E	CSE	The Indian Engineering College, Manonmaniam Sundaranar University	1999	74.2	First Class

Professional Experience (In chronological order)

Designation	Institution/Organization	Period	Nature of Duties
Associate Professor	National Engineering College	27.12.2017 to till date	Teaching
Assistant Professor(SG)	National Engineering College	21.09.2016 to 26.12.2017	Teaching
Professor/Principal	Bharathiyar Institute of Engineering College for Women,Salem	19.5.2016 to 14.9.2016	Teaching
Assistant Professor and HOD/CSE	VV College of Engineering	16.11.2012 to 28.5.2013	Teaching
Senior Lecturer	Dr.Sivanthi Aditanar College of Engineering	1.6.2006 to 13.6.2012	Teaching
Lecturer	Dr.Sivanthi Aditanar College of Engineering	26.7.2001 to 31.5.2006	Teaching
Lecturer	Jeyamatha Engineering College	2.8.1999 to 24.7.2001	Teaching

No. of years of Experience i. NEC : 3 years 10 months
ii . Other Colleges : 14 years

List of International Journals

S.No	Name of the Authors	Title of Paper	Name of Journal	Page No & Volume	Year of publication
1	V.Kavidha, Dr.V.Sadasivam	Exploring Round Trip Time fairness for Adaptive Layered Transmission Control Protocol	International Journal of Advanced Networking and Applications	Vol. 1, No.6, pp. 353-358	2011
2	V.Kavidha, Dr.V.Sadasivam	Improving throughput in real-time simulation of High speed TCP protocols	International Journal of Advanced in Communication Engineering	Vol 4, no.1,pp.47-55	2012
3	V.Kavidha, Dr.V.Sadasivam	Fuzzy Logic based Round Trip Time Scaling and Scheduling in High Speed TCP Stacks	International Journal of Fuzzy System Applications, Scopus Indexed	Vol.3,No.2, pp.71-86,	2013
4	Dr.V.Kavidha,	Network Life Time Enhancement in Wireless Sensor Networks	International Journal of Advanced Computing and Communication System	Vol.3,No.3	2016
5	Dr.V.Kavidha	Multi access edge computing in Telecom	Journal of the Institute of Telecommunication Professionals	Vol.12,No.3	2018
6	Dr.V.Kavidha, Dr.S.AnathaKumaran	Novel Energy Efficient Secure Routing Protocol for Wireless Sensor Networks with Mobile Sinks	Journal Peer-to-Peer Networking and Applications, Springer, Impact factor 1.514	DOI : 10.1007/s12083-018-0688-3	2018

List of National Journals

S.No.	Name of the Authors	Title of Paper	Name of Journal	Page No & Volume	Year of publication
1	V.Kavidha, Dr.V.Sadasivam	Binary Cubic Increase Congestion Control for Improving the performance of TCP in high-speed networks	Journal of Emerging Technologies	Vol.3, No.2, pp.57-63	2008
2	V.Kavidha, Dr.V.Sadasivam	Round Trip Time Fairness and Aggressiveness Analysis using Priority Approach in High Speed Transmission Control Protocol Stacks	Journal of Institution of Engineers (India)	Vol.69, No.5, pp.22-26	2011

List of International Conferences

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1	V.Kavidha, Dr.V.Sadasivam	Binary Cubic Increase Congestion Control for Improving the performance of TCP in high-speed networks	ISCO-09	2009
2	V.Kavidha, S.Arul mozhi selvi	I-TCP: Improving the performance of TCP over Mobile Adhoc Networks	ICAET2011	2011
3	V.Kavidha	Network Life time enhancement in Wireless Sensor Network	ICACCS2017	2017
4	E.Mounica, Dr.V.Kavidha	Intelligent relay node pointing and network optimization scheme over wireless sensor networks	ICAIC2018	2018
5	P.Muthujeya@shalini Dr.V.Kavidha	Cooperative multicast optimal routing in MANET	IEEE Sponsored ICRAET 2019	2019
6	B.Selvalakshmi, V.Rupika Thangam, K.Pathrakali, Dr.V.Kavidha	Online Blood and Organ Transplant Management System	ICETAC 2020	2020
7	S.V.Asmidha, B.Banumadhi, Dr.V.Kavidha	Online Doctor Appointment Management System	ICGICCS2020	2020

List of National Conferences

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1	V.Kavidha, S.V.Anandhi	Responding to spurious Timeouts in TCP during Vertical Handoff in Mobile Receivers	NCACIS'07	2007
2	V.Kavidha	A New Packet Reordering NS-2 Error Model and their Performance on High Speed Protocols	NIS'08	2008
3	V.Kavidha, Dr.V.Sadasivam	Exploring Round Trip Time fairness for Virtual Layered Transmission Control Protocol	NACIPIAN-2009	2009
4	V.Kavidha, Dr.V.Sadasivam	Enhancing Throughput over High Speed TCP variants using Discrete Round Trip Time Estimation Algorithms	IEC 2011	2011

5	K.Anuradha,V.Kavidha	Efficient and secure content Processing and distributed by cooperated by Intermediaries	NCEIT-10	2010
6	E.Merlin Mercy,V.Kavidha	Performance analysis of TCP/IP over third generation wireless networks	ICTCON'10	2010
7	Jaison,V.Kavidha	Web referral architecture approach to mitigate denial of service threats	NETACS-2011	2011
8	V.Rebekah,V.Kavidha	Indirect TCP for Mobile hosts	NCIIC-11	2011
9	J.Ephi Smiley, V.Kavidha	An efficient disjoint path selection scheme and routing by maintaining coloured trees	NCATC-12	2012
10	V.Kavidha	Disjoint multipath routing and failure recovery by maintaining the colored trees	NACIPAN-12	2012
11	V.Rebekah, V.Kavidha	Scalable multicasting over MANET	NAC2013	2013
12	S.Sarika, S.Shanmugalaksmi, Dr.V.Kavidha	Load balancing technique for life time maximizing in WSN	NCEA-18	2018
13	S.Shruthi, H.Senbaga Priya, P.Shunmugathai, Dr.V.Kavidha	Hazardous gas detection and alerting system for sewage tank	NCCSA-19	2019

Short term Courses/Seminar/Conference/Workshop/Industrial Internship Attended

S.No	Institution	Topic	Date	Duration
1	Noorul Islam College of Engineering, Kumaracoil	National workshop on Network Simulator	25.4.2008	One day
2	Dr.Sivanthi Aditanar College of Engineering	3 days workshop on Rational Rose (Course code:DEV475)-	17.7.2008 to 19.7.2008	3 days
3	Dr.Sivanthi Aditanar College of Engineering	CSIR Sponsored Two days workshop on Image Processing and Applications	9.11.2009 to 10.11.2009	2 days
4	Infant Jesus College of Engineering	Workshop on Research issues and challenges in wireless adhoc networks	26.3.2010	One day
5	Dr.Sivanthi Aditanar College of Engineering	Workshop on LATEX	12.4.2011	One day
6	Manonmaniam Sundarnar University	Seminar on Research issues in web applications	31.3.2009	One day
7	Dr.Sivanthi Aditanar College of Engineering	National Level Seminar on Medical Imaging	17.9.2010 to 18.9.2010	2 days
8	National Engineering College	ICTACT Sponsored FDP on Big Data Analytics and Data Science	13.6.2017 to 17.6.2017	5 days
9	National Engineering College	NSTEDB and DST Sponsored FDP on Entrepreneur	5.12.2017 to 16.12.2017	Two weeks
10	Anna University,Chennai	Workshop on Certified Cyber Security Futurist	24.2.18 to 25.2.18	2 days
11	Sree Vidhyanikethan Engineering College, Tirupati	Workshop of Cyber Security	28.9.18 to 29.9.18	2 days
12	EDS,Instruments and Systems PVT Limited,Chennai	Industrial Internship in Internet of Things and Machine Learning Techniques, Chennai	7.5.18 to 9.5.18 and 10.5.18 to 12.5.18	6 days
13	IIT Kharagpur-NPTEL Online Course	Wireless Sensor Networks	Jan'17 – Mar'17	8 weeks
14	IIT Kharagpur-NPTEL Online Course	Introduction to Cryptology	July'17 – Aug'17	4 weeks
15	Shri Krishna College of Engineering and Technology,Coimbatore	Indian Cyber Congress Edition IV, National Cyber Safety & Security Standards	20.12.2019 to 21.12.2019	2 days

Funded Short term Courses/Seminar/Conference/Workshop Organized

S.No	Institution	Topic	Date	Funded Agency
1	National Engineering College	Smart Wireless Sensor Networks for Healthcare Monitoring	6.6.18 to 7.6.18	Institution of Engineers(India)

Expert Lecture Delivered

S.No	Title	Venue	Programme	Duration
1	NLP Sponsored Seminar Natural Language Knowledge levels	National Engineering College	National Sponsored Seminar	2016
2	User Interface Management System	National Engineering College	National Sponsored Seminar	2016
3	P and NP Completeness	National Engineering College	Anna University, Chennai Sponsored FDP	2017
4	Polynomial time reductions	National Engineering College	Anna University, Chennai Sponsored FDP	2017
5	Cloud Computing and IoT	K.R.College of Arts and Science	Computer Science Department Association meeting	2018
6	Huffman Trees	National Engineering College	Anna University, Chennai Sponsored FDP	2018
7	P,NP and NP-Complete and NP Hard Problems	National Engineering College	Anna University, Chennai Sponsored FDP	2018
8	Traveling Salesman Problem	National Engineering College	Anna University, Chennai Sponsored FDP	2018

Membership in Professional Bodies

Professional Bodies	Name of Membership	Grade of Membership
Indian Society For Technical Education	Indian Society For Technical Education	Member
Institution of Engineers India	Institution of Engineers India	Associate Member
Indian Society of Electrical and Electronics Engineers	Indian Society of Electrical and Electronics Engineers	Fellow

Special Achievements:

S.No	Name of the award/honour/distinction	Awarded by
1	K F ANTIA MEMORIAL PRIZE has awarded for the paper titled "Round Trip Time Fairness and Aggressiveness Analysis using Priority Approach in High Speed Transmission Control Protocol Stacks",Published in Journal of Institution of Engineers,India, Vol.69, No.5, pp.22-26, 2011.	President of India-on 27 th Indian Engineering Congress to be held at Vigyan Bhawan, New Delhi on December 14, 2012
2	Excellent Professional Achievement Award(Class 1)	Society of Professional Engineers, Engineering Today, Chennai