Faculty Profile

Dr.S.MADHAVI, ME., Ph.D. MISTE.,

Professor
Department of Computer Science and Engineering
K.S.Rangasamy College of Technology (Autonomous)
Tiruchengode- 637 215
Namakkal District, Tamilnadu, India.
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Academics Experience

Teaching Experience: 16.06 Months

After Ph.D : 3years, 6 Months

Academic Achievement	
Teaching Experience	: 16.06 Months
Research and Funding Agency (R&D)	
AICTE-ISTE (RPS/FDP/STP)	: 1
DBT-STAR COLLEGE	: 1
Sessions/Symposium Organized	: 05
Membership in Professional Bodies	: 1
Faculty Development Program Organized	: 1
International Journal Publications	: 10
National Journal Publications	: 1

Pedagogic Details

Degree qualification	University	Class	Year of passing
Ph.D.(Information and Communication)	Anna University, Chennai	**Completed**	**MAY 2015**
M.E.(Computer Science and Engineering.)	Anna University,Chennai	I	May 2005
M.C.A(Master of Computer Applications)	Bharathidasan University,Trichy	I	May 1999
B.Sc.,(Computer Science)	Bharathidasan University,Trichy	II	May 1996

Computer Proficiency

Technology	Resources
Operating system	Windows, DOS, Linux
Languages	C, C++, JAVA, Dot Net
Scripting Languages	HTML, JAVA SCRIPT
Network Technology	TCP/IP, LAN, WAN, Distributed System, INTERNET
Front End Tool	MS Office 2010

Academic Specializations

Research Specialization	Subject specialization
• MANET • Data Mining • Cloud Computing	Fundamentals of Programming Principles of Compiler Design Theory of Computation Data Structures Design and Analysis of Algorithms Cryptography and Network Security Mobile Computing Computer Architecture System Software

Membership in Professional Bodies

- Life member - **ISTE**

Major Position Held

- Involved in the **ACCREDITATION process** of B.E., M.E. CSE by the National Board of Accreditation (NBA), NAAC, and New Delhi.

- **BOS Member** (B.E. CSE and M.E. CSE) at K.S.Rangasamy College of Technolgy, Tiruchengode.

- Involved in the **FRAMING OF SYLLABI** for B.E., M.E., Computer Science and Engineering at K.S.Rangasamy College of Technology, Tiruchengode.

- Involved in an **ISO 9001:2009 CERTIFIED INSTITUTIONS** at K.S.Rangasamy College of Technology.

- **Member Question paper Setting Committee -** Karunya University, Dr.M.G.R.University, Karpagam University,Kumaraguru College of Technology (Autonomous), Kongu Engineering College (Autonomous)

- **ISTE Faculty Advisor**

Paper Published in Refereed Journal

International Journal

TITLE	Citied By	YEAR
Flooding attack aware secure AODV S Madhavi, K Duraiswamy,Journal of computer science 9 (1), 105-11315	15	2013
Review of ant based routing protocols for manet B Kalaavathi, S Madhavi, S VijayaRagavan, K Duraiswamy Computing, Communication and Networking, 2008. ICCCn 2008. International …	14	2008
A performance study of reactive multicast routing protocols in virtual class room using mobile ad hoc network S Vijayaragavan, K Duraiswamy, B Kalaavathi, S Madhavi Journal of Computer Science 5 (11), 788	13	2009
A performance comparison of multipath multicast routing protocols for MANET S Vijayaragavan, K Duraiswamy, B Kalaavathi, S Madhavi International journal of computer science and Network security 9 (11), 163-169	4	2009
Performance analysis of SAODV with DOS attack S Madhavi, K Duraiswamy, B Kalaavathi, S Vijayaragavan International Journal of Electronics, Communication, and Computer …	3	2012
WAS-DP: Wormhole Attack in SAODV-Detection and Prevention S Madhavi, K Duraiswamy European Journal of Scientific Research 77 (4), 560-569	3	2012
Virtual Class Room Using Mobile Ad Hoc Networks B Kalaavathi, S Madhavi, K Duraiswamy	3	2009
Survey of Attacks on AODV and MAODV S Madhavi, K Duraiswamy, B Kalaavathi, S Vijayaragavan Proceedings of the International Conference and Workshop on Emerging Trends …	1	2010
ATM Service Analysis Using Predictive Data Mining NV S. Madhavi, S. Abirami, C. Bharathi, B. Ekambaram International Journal of Computer, Information Science and Engineering 8	-	2014
Power-Aware Multiple Path Multicast Adhoc on Demand Distance Vector Routing Protocol K Duraiswamy, B Kalaavathi, S Madhavi	-	
STUDY OF ROUTING ATTACKS IN MANET S Madhavi, K Duraiswamy		

Paper Published in Conferences
International Conference:

1. **S.MADHAVI,** J.Pooja Kumari, S.P.Priyanka, T.Swathi, "Secure Neighbour Discovery and Wormhole Localization in Mobile ad hoc networks", National Conference on Recent Trends in information, Communication and VLSI, Maharaja Engineering College, Erode, 1,2-2-13, PP – 41.

2. **S.MADHAVI,** S.R.Jananey, A.Gowtham, C.Dharanidharan, "Defense Mechanism Against Hello Flooding Attack For AODV", National Conference On Innovations In Computers Information And Communication", Easa College Of Engineering And Technology,Coimbatore 23-2-2013

3. **S.MADHAVI, K.DURAISWAMY,** M.Kanimozhi "Attacks in Manet: A Survey", International Conference on Innovation in Communication, information and Computing (ICICIC'13), Sasurie College of Engineering, Tirupur, 9-11 Jan 2013.

4. **S.MADHAVI**, M.Vijayakumar, "Vanet Routing On City Environment Using Real-Time Routing History And BAHG", International Conference on Trends in Technology & Engineering :Ictte2014 IJETCSE In Association with Arjun College of Technology.

5. **S.MADHAVI**, Sasikala.N, Sugapriya.R, Kirubanandam.P, "Automatic Student Attendance Maintenance using RFID", International Research conference on Innovative Engineering skills: ACETIC2014", Aishwarya College of Engineering and Technology, Anthiyur held on 12th Feb 2014.

6. **MADHAVI.S**, ANBALAGAN.T (2015) "Wireless Network Security to DefendBlack Hole Attack using Client Puzzle Method", International Conference on Computing Techniques and Systems (ICCTS'15) held on 29th and 30th April 2015 in MUTHAYAMMAL COLLEGE OF ENGINEERING, Vol.1, pp.280-284.

7. **S.Madhavi**, K.Baala Srinivas, G.Bharath, R.K.Indhuja, M.KowserChandini, "Measuring Individual's Performance in a Team" International Conference on Computational Machine Analytics Sri Subramanya College of Engineering and Technology, Palani, P.No 8, ICCMA'15 March 11th 2015

Workshop/SDP/FDP/Training Programme Attended

S. No.	From	To	Title of the Program	Sponsoring Agency/Self-financed
1	10-08-2017	11-08-2017	Deep Learning Challenges in Big Data Analytics	SERB
2.	8-10-2015	5-12-2015	Technical Communication	ISTE-STTP,IIT Bombay
3.	5-01-2015	31-01-2015	Pedagogy for Effective use of ICT in Engineering Education	ISTE-STTP IIT Bombay
4.	28-05-2014	5-07-2014	Computer Networking	ISTE Workshop IIT Bombay
5.	10-07-2014	20-07-2014	Cyber Security	ISTE Workshop IIT Bombay
6.	9-08-2014		NPTEL Workshop	IIT Madras
7.	2-2-2012		Free Software Movements in Education	Seminar, Self Financing
8.	8-06-2012		Support Vector Machines	NIT,Trichy
9.	24-06-2012		Software Project Management	Self Financing
10.	2-08-2011		IT Awareness Enhancement Program	Self Financing

11.	22-07-2011	23-07-2011	Training Programme on NS2	Self Financing
12.	31-05-2011	4-06-2011	Mission 10X	Wipro
13.	29-10-2010	30-10-2010	ISTE Annual Convention	ISTE
14.	17-04-2010		Research in Computer Science-Issues and Challenges	Self Financing
15.	08-04-2009		Advanced Developer Technologies	Self Financing
16	7-07-2008	8-07-2008	Orientation Programme	Anna University
17.	30-08-2008		Workshop on Mobile Computing	Periyar University
18	6-09-2008		Workshop on Algorithms in Image Processing	Self Financing
19.	06-10-2008	27-11-2008	Communicative English	Self Financing
20.	14-10-2006	15-10-2006	FDP on Computer Organization & Architecture	IEEE Madras Section, IIT, Madras
21.	3-11-2009	10-11-2009	MAHA SRI YOGAM	Universal Peace Foundation
22.	7-1-2003	8-1-2003	Re-Engineer Teaching Skills	Self Financing
23.	5-10-2002	6-10-2002	Teaching Technology & Counselling Skill	Self Financing

Guest lecturer delivered

1. Lecture delivered in Anna University sponsored FDP on " Principles of Compiler Design" at K S R Institute For Engineering And Technology.

Award & Recognitions -100% Result Produced

Network Security

Object Oriented Analysis and System Design

Software Engineering

Principles of Compiler Design

Principles of Programming Language

Design and Analysis of Algorithm

SAP ABAP Workbench Concepts

SAP ABAP Workbench Fundamentals

Best Performer:

The Best Faculty Performer in QEEE-2016-2017

The Best Faculty Performer in NPTEL-2017-2018

Online Certification-NPTEL

Introduction to Internet of Things

Wireless Adhoc and Sensor Networks

Certification – ABAP with SAP Netwearer

Personal Details

Gender	:	Female
Date of Birth	:	26th JUNE 1976
Husband Name	:	**A.SARAVANAN**
Marital Status	:	Married
Nationality	:	Indian
Permanent Address	:	36,RR Nagar,
		FCI Colony,
		Thanjavur District
		Mobile: 09095060950