

N.K.R.Government Arts college for women

Namakkal– 637 001

DEPARTMENT OF COMPUTER SCIENCE

STAFF PROFILE

ABSTRACT



1. Name : Dr. S.Gomathi
2. Designation : Assistant Professor
3. Education Qualification : B.Sc(cs),M.C.A. M.Phil,Ph.D.
4. Teaching Experience : 21years and 7 Months
5. Research Experience : 16 Years
6. Area of Research : Wireless Networks – Mobile
Adhoc Networks
7. University Guideship Approval No : NIL
8. Fellowship Awarded : MISTE
9. Minor/Major Research Project : NIL
10. Research Paper Published : International:4 ; National:1
11. Seminar/ Conference/ Workshops :Organized:10 ; Attended:14
12. Journals Review : International:NIL ; National:NIL
13. Books Published : 1

BIO - DATA

Name : Dr. S.Gomathi

Designation : Assistant Professor

Father's Name : S.K. Shakkarapani

Date of Birth : 25.05.1973

Nationality : INDIAN

Religion : HINDU

Permanent Address : W/o.M.Kannan,
2/91,Kolavarai,
Mothayanoor(PO)
Sankari,
Salem District – 637 303.

Phone No : Cell : 9842654207

E-Mail ID : gomathikannan2004@gmail.com

Languages Known to Read / Write : TAMIL, ENGLISH

EDUCATIONAL QUALIFICATION:

Degree	University	Month & Year of Passing	Class/ Grade
UG	University of Madras	MAY 1995	72% I CLASS
PG	University of Madras	MAY 1998	72% I CLASS
M.Phil	Mother Teresa Women's University, Kodaikanal	MAY 2002	74% (Highly Commended) I CLASS
Ph.D	Mother Teresa Women's University, Kodaikanal	NOV 2012	AWARDED

Date of Joining : 10.6.1998

Teaching Experience : 21 Years 7 Months

S. No.	From DD/ MM / YY	To DD/ MM / YY	Name of the Institution	Total Years
1	10.6.1998	27.05.2000	Bharathiar Arts & Science College,Attur	2
2	08.06.2000	30.06.2014	K.S. Rangasamy College of Technology,Tiruchengode	14
3	29.07.2015	02.11. 2015	L.R.G.Government arts college for women, Tirupur	4 month
4	03.11. 2015	Till date	N.K.R.Government Arts college for women, Namakkal	5years 2 month

Research Experience : 12 Years

Topic of Research : Ph.D. (Reduced Packet loss and energy saving for MANET in coverage area and less coverage area)
M.Phil. Optimal two-way voice messenger

Research Guidance : M.Phil - Awarded : 7
M.Phil - Ongoing : Nil
Ph.D - Awarded : NIL
Ph.D - Ongoing : NIL

Courses Attended :

S. No	Name of the Course	From DD/MM/YY	To DD/MM/YY	Subject/ Title	Name of the University
1.	UGC SPONSORED ORIENTATION COURSE	16.12.2016	12.01.2017	ORIENTATION COURSE	BHARATHIAR UNIVERSITY
2.	UGC SPONSORED REFRESHER COURSE OBTAINED "A" GRADE	13.02.2019	05.03.2019	REFRESHER COURSE	BHARATHIAR UNIVERSITY

Member in Academic/ Editorial Board/ Reviewer in Journals : NIL

List of Publication : 5

Papers Presented in Seminars/ Conferences/ National/ International: 5

S. No	Name of the Research Scholar	Year of Joining	Title of the Project	Awarded/ Ongoing	Remarks
	-- NIL --				

Participation in Seminar/ Conferences/ Workshop: 11

Books Published: 1

Seminar and Work shop organized: 9

Special and Guest Lectures Delivered: nil

Research Scholar Details

(Copy of University Guide ship Approval Letters should be enclosed)

List of Enclosures

1. List of Publication

INTERNATIONAL JOURNALS

1. **Gomathi, S.** and Duraiswamy, K. "Hierarchical Clustering using Effective Broadcasting with guaranteed Coverage in Mobile Adhoc Networks", International Journal of Emerging Technologies and Applications in Engineering Technology and Sciences (IJ-ETA-ETS) ISSN:0974-3588, Volume 3, issue 1, Jan'10-July'10, p 469-472.
2. **Gomathi, S.** and Duraiswamy, K. " Guaranteed Packet Transfer in MOBILE AD-HOC NETWORK In and Out of Coverage Areas and Energy Saving using Random Casting", International Journal on Computer Science and Engineering, Volume 02, No.03,2010,865-869.

3. **Gomathi, S.** and Duraiswamy, K. “ Performance Analysis of DSR and AODV using Reduction of Packet Loss in Less Coverage Area”, International Journal of Control Communication (IJPCSC), Gopalax Publications, ISSN:0976-268X, issue 1, Jan-March’10, p47-53.
4. **Gomathi, S.** and Duraiswamy, K. “ Performance Analysis of Guaranteed Packet Transfer In Coverage Area and Less Coverage Area for MOBILE AD-HOC NETWORK ”, International Journal of Computer Science and Information Technologies, ISSN:0975-9646, Volume 02, June 2010, p61-66.

NATIONAL JOURNALS

5. **Gomathi, S.,** R.Poonkuzhali and Duraiswamy, K. “ Routing Protocols for Mobile Ad-hoc Performance Enhancement”, Journal of Computer Applications, ISSN:0974-1925, Jan-March 2009, Volume 02, P38-40.

2. Papers Presented in Seminars/ Conferences/ National/ International

INTERNATIONAL CONFERENCE

1. **Gomathi, S.,** Gunasekaran, S. and Duraiswamy, .K. “Reduction of Packet loss in less coverage area for MOBILE AD-HOC NETWORK”, International Conference Innovative computing held at M.Kumarasamy College of Engineering, 12th and 13th February 2010.
2. **Gomathi, S.** and Duraiswamy, K. “Efficient Communication for Coverage Area and Less Coverage Guaranteed to Transfer the packet for MOBILE AD-HOC NETWORK”, International Conference held at Dhanalakshmi College of Arts & Science for Women, Perambalur, 27th February 2010.

NATIONAL CONFERENCE

1. **Gomathi, S.,** R.Poonkuzhali and Duraiswamy, K. “Enhancement of SIP, RTP, AND XMPP in the Emerging Real-time Internet”, National conference on Emerging Trends in IT, Vivekanandha College of Engineering for Women, Elayampalayam, 3rd March 2007.
2. **Gomathi, S.,** R.Poonkuzhali and Duraiswamy, K. “Routing protocols for Mobile Ad-hoc Network performance Enhancement”, Second National conference on New Frontiers in Computing , K.S.Rangasamy College of Technology, 23rd September 2008.
3. **Gomathi, S.,** R.Poonkuzhali and Duraiswamy, K. “Efficient and Effective Broadcasting with Guaranteed Coverage in Mobile Adhoc Networks”, Third National Conference on New Frontiers in computing on held at K.S.Rangasamy College of Technology, Tiruchengode, 24th September 2009.
4. **Gomathi, S.** and Duraiswamy, K. “Performance Analysis of Guaranteed Packet Transfer in Coverage area and lessCoverage Area”, Second National Conference Emerging Issues in computer on held at K.S.Rangasamy College of Engineering, Tiruchengode, 20th February 2010.
5. **Gomathi, S.** and Duraiswamy, K. “Packet Transfer in Coverage Area and Less Coverage Area Using Hierarchical Clustering Method ”, National

Conference Advanced Trends in Information Technology held at Sengunthar Arts and Science College, Tiruchengode, 1 March 2010.

6. **Gomathi, S.** and Duraiswamy, K. “An Energy Efficient Communication Scheme for Guaranteed packet Transfer In and Out of Coverage Area”, National Conference on Information and Communication Technology held at K.S.Rangasamy College of Technology, Tiruchengode, 5th March 2010.
7. **Gomathi, S.** and Duraiswamy, K. “Guaranteed Packet Transfer in MANET in and out of Coverage areas”, National Conference On Emerging Technologies in Advanced Computing and Communication Trends in IT , Vivekanandha College of Engineering for Women, Elayampalayam, 13th March 2007.
8. **Gomathi, S.** and Duraiswamy, K. “Analysis of reduction of Packet loss in coverage area and less coverage area packet transfer in and out of MOBILE AD-HOC NETWORK”, National Conference On Emerging Trends in Computing Technology ,S.N.R.Sons College,Coimbatore , 19th March 2010.
9. **Gomathi, S.** “Survey on Ethical Hacker Detection of Cyber Criming Mobile ADHOC NETWORK THROUGH Business Security” Morappur Kongu College of Arts and Science , 11th September 2018.

Participation in Seminar/ Conferences/ Workshop

1. Two Days National Level Workshop on “Nano Science” organized by the Department of Nano Technology, K.S.Rangasamy College of Technology, Tiruchengode.
2. Two Days National Level Workshop on “Research issues of Mathematical Solving methods ” organized by the Department of Information Technology, K.S.Rangasamy College of Technology, Tiruchengode.
3. One Day National Level Workshop on “Research Issues in Data Mining” organized by the Department of Computer Applications, K.S.Rangasamy College of Technology, Tiruchengode.
4. Two-Day Workshop for Ph.D Scholars “Research Orientation” organized by Mother Teresa Women’s University, Kodaikanal.
5. National level workshop on “Research in Computer Science – Issues and Challenges” organized by department of Computer Applications, K.S.Rangasamy College of Technology, Tiruchengode.
6. International Seminar on Current Trends and Technology “current trends and Technologies” organized by department of computer science N.K.R government arts college for women, Namakkal.

7. Nuance Technology Dot Net Training program August 2016 To September 2016.
8. Kani tamil paravai workshop Periyar university 29.02.2016 to 01.03.2016
9. National seminar on “Data Science & Data Fusion in Middleware” 08.12.2015 to 09.12.2015 N.K.R.Government Arts college for women, Namakkal
10. One day International workshop on ”BASIC STATISTICAL TOOLS IN SPSS” 14.07.2017 N.K.R.Government Arts college for women, Namakkal
11. Workshop on Enhancing best practices for national assessment and accreditation and national ranking 14.07.2018 10.01.2018 N.K.R. Government Arts college for women, Namakkal
12. One day National Seminar on “IOT and applications of Big Data Analytics” 6.10.2017 N.K.R. Government Arts college for women, Namakkal
13. International Seminar on “Current Trends and Technology” 17.08.2018 N.K.R. Government Arts college for women, Namakkal
14. SHALAI PADUGAPU VARA VELLA

4. Books Published : Nil

5. Letter copy/ Evidence for the Seminar and Work shop organized

2015-2016	Workshop on “Soft Skill Training”	08.12.2015 to 09.12.2015
2016-2017	National Seminar “Latest Trend in Industrial”	17.9.2016
	National Seminar on “Data Science and Fusion in Middleware”	27.01.2017
	Workshop on “Microsoft Innovative Application”	02.02.2017
2017-2018	National Seminar on “IoT and Applications of Big Data Analytics”	06.10.2017
	Workshop on “Data mining using R- Programming”	27.12.2017 & 28.12.2017
2018-2019	International Seminar on “Current Trends and Technologies”	20.08.2018

	One day Training programme on Human Rights Sponsored by National Human Rights commission	06.02.2019
2019-2020	International Seminar on “Software Testing And Maintenance”	28.08.2019

Honours conferred

AWARD RECEIVED YEAR	ACHIEVEMENTS	NAME OF THE AWARD	NAME OF THE FOUNDATION
30-AUG-2019	FOR OUTSTANDING ACHIEVEMENTS AND REMARKABLE ROLE IN THE FIELD OF EDUCATION	BHARAT SHIKSHA RATAN AWARD	ECONOMIC GROWTH FOUNDATION NEW DELHI
05-SEP-2019	PERASIRIYAR KAVIMANI AWARD FOR BEST EDUCATION	PROFESSOR KAVIMANI VIRUTHU	NATIONAL LEVEL AWARD FOR KAVIARASAR TAMIL SANGAM
24-NOV-2019	TEACHING EXCELLENCE	Dr. APJ ABDULKALAM AWARD OF TEACHING EXCELLENCE	DR. APJ ABDULKALAM AWARD CHENNAI
15-AUG-2020	INTERNATIONAL BEST NSS OFFICER AWARD	INTERNATIONAL BEST NSS OFFICER AWARD KAVIYARASU KALAI TAMIL SANGAM	INTERNATIONAL KAVIYARASU KALAI TAMIL SANGAM

05.SEP.2019 “SAMUTHAYA VILIPUNARVIL ASSIRIYAR PANKU” WRITING ESSAY COMPETITION WIN FIRST PRIZE

15.08.2020 “SUTHAINTHIRAM” WRITING ESSAY COMPETITION INTERNATIONAL LEVEL WIN FIRST PRIZE