

## Staff Profile



**Name** : **Dr. S.Gomathi**  
**Position** : **Assistant Professor**  
**Department** : **Computer Science**  
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**Office Location** : **NKR Govt. Arts College for Women, Namakkal**

### Education

S.No	Degree	University	YearofGraduation
1	Ph.D(Computer Science)	Mother Terasa Women's University, Kodaikanal	2012
2	M.Phil(Computer Science)	Mother Terasa Women's University, Kodaikanal	2002
4	M.C.A( Computer Application)	Madras university	1998
5	B.Sc(Computer Science)	Madras university	1995

### **ProfessionalExperience:**

S.No	Year	Position Held	Institution	Responsibility
1	1998 -2000	Lecturer	Bharathiar Arts & Science College,Attur	Teaching UG
2	2000-2014	Senior Lecturer	K. S. Rangasamy College of Technology,Tiruchengode	Teaching UG and PG,M.Phil AICTE & ISO Coordinator, Representative
3	2015(July) - 2015(Nov)	Assistant Professor	L.R.G.Government arts college for women, Tirupur	Teaching UG

4	2015(Nov) –Till date	Assistant Professor	NKR Govt. Arts CollegeforWomen, Namakkal	TeachingUG,PG NSS & RRC, Kani tamil Peravai,Placement coordinator
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**Research Interests:**

1. Guided 120 project students at PG level (Computer Science)
2. Guided 20 M.Phil students.

**Publications:**

**ARTICLES PUBLICATIONS:**

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.
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.

## **PUBLICATIONS IN PROCEEDINGS:**

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, 12<sup>th</sup> and 13<sup>th</sup> 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, 27<sup>th</sup> February 2010.
3. **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, 3<sup>rd</sup> March 2007.
4. **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, 23<sup>rd</sup> September 2008.
5. **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, 24<sup>th</sup> September 2009.
6. **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, 20<sup>th</sup> February 2010.
7. **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.
8. **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, 5<sup>th</sup> March 2010.
9. **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, 13<sup>th</sup> March 2007.
10. **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 , 19<sup>th</sup> March 2010.

- 11. Gomathi, S.** “Survey on Ethical Hacker Detection of Cyber Criming Mobile ADHOC NETWORK THROUGH Business Security” Morappur Kongu College of Arts and Science , 11<sup>th</sup> 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 09.12.2015 N.K.R.Government Arts college for women, Namakkal
10. One day International workshop on ”BASIC STATISTICAL TOOLS IN SPSS”  
N.K.R.Government Arts college for women, Namakkal
11. Workshop on Enhancing best practices for national assessment and accreditation and national ranking 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

## **Awards and Honors:**

1. **Perasiriyar kalaimani Award** from Kaviyarasar kalai Tamil sangam, Paramathi velur on 05.09.2019.
2. **Dr APJ Abdul kalam Award** for Teaching Excellence on 24<sup>th</sup> November 2019 Marina labs, Chennai.
3. **Bharat Shiksha Ratan Award** for outstanding achievements and remarkable role in the field of education from Economic Growth Foundation New Delhi 30-aug-2019.
4. **International NSS Best Officer Award** from Kaviyarasu Kalai Tamil Sangam on 15.08.2020.
5. **Sangam Achiriyar Arima Award** Best Teaching Excellence 26-Jan-2020 Kurunichi Kapilar Tamil Sangam

## **Area of Specialization: Computer Network**

### **Professional Memberships:**

1. Membership of professional society Life member The Indian Society For Technical Education (MISTE)

## **Contact Information**

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