

N K R GOVERNMENT ARTS COLLEGE FOR WOMEN, NAMAKKAL – 637 001

DEPARTMENT OF COMPUTER SCIENCE

STAFF PROFILE



Name : **O. DEEPA**
Position : GUEST LECTURER
Department : COMPUTER SCIENCE
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EDUCATIONAL QUALIFICATION

S.No	Degree	Branch	Month & Year Of Passing	University	Class
1	B.Sc.,	Computer Science	Apr -1998	Bharathidasan University	First
2	M.Sc.,	Computer Science	Apr - 2000	Bharathidasan University	First
3	M.Phil.,	Computer Science	Jan - 2005	Bharathidasan University	First with Distinction
4	S.E.T.,	Computer Science	Oct - 2012	Bharathiar University	Qualified
5	Ph.D.,	Computer Science	July - 2019	Bharathiar University	Qualified
6	N.E.T.,	Computer Science	Dec - 2023	University Grand Commission	Qualified

PROFESSIONAL EXPERIENCE

S.No	Designation/ Department	College	From	To	Experience
1	GL/Computer Science	Government Arts College, Karur	10-01-2001	13-04-2007	6-3-4
2	GL/Computer Science	Quaid-E-Millath Government Arts College For Women, Chennai	18-06-2007	08-02-2008.	0-7-15
3	GL/Computer Science	Government Arts College, Karur	04-08-2008	30-10-2008	0-2-26
4	GL/Computer Science	NKR Government Arts College For Women, Namakkal	01-12-2012	31-07-2024 (till now)	11-7-0

RESEARCH INTERESTS

Wireless Sensor Networks, Optimization algorithms

LIST OF ENCLOSURES

1. List of Publication

1. O. Deepa and Dr. A. Senthilkumar, "Wireless Sensor Networks: Application, Architecture, Design Issues and Research Challenges", International Journal of Advanced Networking and Applications, ISSN: 0975-0290, Vol.1, Special Issue, pp. 67-70, March 2015.
2. O. Deepa and Dr. A. Senthilkumar, "Real Time QoS based Routing Protocols for Wireless Sensor Network and Related Challenges", International Journal of Applied Engineering Research (IJAER), ISSN: 0973-4562, Vol.10(.85) pp.294-300, 2015.
3. O. Deepa and Dr. A. Senthilkumar, "Swarm Intelligence from Natural to Artificial Systems: Ant Colony Optimization", International Journal on Applications of Graph Theory in Wireless Ad hoc Networks and Sensor Networks (GRAPH-HOC), Vol. 8(1), pp.9-17, 2016.
4. O. Deepa and Dr. J. Suguna, "Ant Inspired Routing Protocols for Wireless Sensor Networks", International Journal of Computational Intelligence and Informatics, Vol. 6, No.2, Sep 2016

5. O. Deepa and Dr. N. Karthikeyani Visalakshi, "A self-organized QoS-aware RED-ACO Routing Protocol for Wireless Sensor Networks", Middle-East Journal of Scientific Research, Vol. 24, 2016
6. O. Deepa and Dr. J. Suguna, "Energy Optimization using Particle Swarm Optimization based on Clustering for Wireless Sensor Networks", International Journal of Engineering Trends and Applications, ISSN: 2393-9516, Vol. 4(2), pp.65-70, 2017.
7. O. Deepa and Dr. J. Suguna, "An Optimized QoS-based Multipath Routing Protocol for Wireless Sensor Networks", International Journal of Intelligent Engineering & Systems, ISSN: 2185-3118, Vol. 11(2), pp.49-56, 2018.
8. O. Deepa and Dr. J. Suguna, "An Optimized QoS-based Clustering with Multipath Routing Protocol for Wireless Sensor Networks", Journal of King Saud University- Computer and Information Sciences, Elsevier, Vol.32(7), pp.763-774, 2020.
9. O. Deepa and Dr. J. Suguna, "Agriculture Monitoring System using Wireless Network Technology", Biomedical Research – SCIE-Database, Accepted-Articles in Press, 2018.
10. O. Deepa and Dr. J. Suguna, "An Optimized QoS-based Clustering with Multipath Secure Routing Protocol for Wireless Sensor Networks", International Journal of Soft computing and Networking, Inderscience Publishers, Accepted-Articles in Press, 2018.

2. Papers Presented in Conferences

1. Paper Presented in National Conference on Emerging Trends and Challenges in Wireless Networks, "Minimizing end-to-end delay in multipath routing for Wireless Sensor Networks" on 22nd Feb 2014 at PSG College of Arts & Science, Namakkal.
2. Paper Presented in National Conference on Advances in Management and Computer Applications, "A self-optimized protocol for minimizing end-to-end delay using multipath routing in WSN" on 25th Mar 2014 at Sengunthar Engineering College, Tiruchengode, Namakkal
3. Paper Presented in International Conference on Advance Information Computation, "Essential Architectural Design Issues for Self-organizing Wireless Sensor Networks" on 4th & 5th Mar 2015 at Selvam College of Technology, Namakkal.
4. Paper Presented in UGC Sponsored National Conference on Advanced Networking and Applications, "Wireless Sensor Networks: Application, Architecture, Design Issues and Research Challenges" on 27th Mar 2015 at Government Arts College, Udumalpet, Tirupur.

5. Paper Presented in International Conference on Interdisciplinary Research in Electronics and Instrumentation Engineering, "Classification of Hierarchical Routing Protocols in Wireless Sensor Network" on 11th & 12th Aug 2015 at Bharathiar University, Coimbatore.
6. Paper Presented in International Conference on Modelling, Simulation & Control, "Real Time QoS based Routing Protocols for Wireless Sensor Network and Related Challenges " on 15th& 16th Oct 2015at Karpagam College of Engineering (A), Coimbatore.
7. Paper Presented in UGC Sponsored National Conference on New Horizons in Computational Intelligence and Information Systems, "Swarm Intelligence from Natural to Artificial Systems: Ant Colony Optimization" on 17th& 18th Dec 2015 at The Gandhigram Rural Institute Deemed University, Dindigul
8. Paper Presented in IEEE Sponsored International Conference on Innovations in Information, Embedded and Communication Systems, "A self-organized QoS-aware RED-ACO Routing Protocol for Wireless Sensor Networks" on Mar 2016 at Karpagam College of Engineering (A), Coimbatore.
9. Paper Presented in National Conference on Computational Methods, Communication Techniques and Informatics "Energy Optimization using Particle Swarm Optimization based on Clustering for Wireless Sensor Networks" on 27th & 28th Jan 2017 at The Gandhigram Rural Institute Deemed University, Gandhigram, Dindigul.
10. Paper Presented in AICTE Sponsored Online International Conference on Artificial Intelligence and Computing Technologies in Agriculture and Rural Development, "Agriculture Monitoring System Using Wireless Sensor Network" on 24th& 25th Sep 2021 at Malla Reddy College of Engineering, Secunderabad, Telangana.
11. Paper Presented in Conference on Discrete Mathematics and Mathematical Modelling in Digital Era "An Optimal Lightweight (K, N)-Threshold Secret Sharing Scheme for Detection of Malicious Nodes and Routing Attacks in Wireless Sensor Networks", on 3rd Mar 2023 at The Gandhigram Rural Institute Deemed University, Gandhigram, Dindigul.
12. Paper Presented in International Conference on Advanced Computing Technologies for Innovative Solutions (ICACTiS 2023), "A Mathematical Study on Genetic Algorithms", on 3rd Mar 2023 at The Gandhigram Rural Institute Deemed University, Gandhigram, Dindigul.

3. Participation in Seminar / Workshop / FDP / Webinar

1. Attended in BRNS Sponsored National Level Seminar on "Wireless Sensor Networks for Radiation Monitoring in Nuclear Energy Systems" on 17th & 18th Oct 2014 at Kongu Engineering College, Perundurai, Erode.

2. Attended in DBT National Level Seminar on "Nature-Inspired Computing and Computational Bio-Modeling for Biotechnology Applications" on 16th & 17th Oct 2015 at Kongu Engineering College, Perundurai, Erode.
3. Attended in Hands-on Training Programme on Network Simulator (NS2) on 21st & 22nd Mar 2014 at Kongu Engineering College, Perundurai, Erode.
4. Attended in Hands-on Training Programme on Network Simulator (NS2) on 9th & 10th Jan 2015 at Kongu Engineering College, Perundurai, Erode.
5. Attended in Workshop on "Art of writing & publishing effective research paper in Journals and Conferences" on 25th Jul 2015 at Kongu Engineering College, Perundurai, Erode.
6. Attended in Workshop on "Optimization Techniques for Engineering Applications" on 29th & 30th Jan 2016 at Kongu Engineering College, Perundurai, Erode.
7. Attended in TEQIP Sponsored Workshop on "Wireless Sensor Networks – Research Perspective" on 24th & 25th Jun 2016 at PSG College & Technology, Coimbatore.
8. Attended in Faculty Development Programme on TEQIP Sponsored FDP on "Computer Networks" on 23 to 28th May 2016 at PSG College of Technology, Coimbatore.
9. Attended in Development Programme on "Cyber Security & Malware Analysis" on 26th & 27th May 2018 at CMR Engineering College, Hyderabad.
10. Attended in Faculty Development Programme on "R: Basics to Analytics" on 10th to 12th June 2020 at NKR Government Arts College for Women, Namakkal.
11. Attended in Webinar on "Security and Privacy in Social Networks, Coreldraw in Electronic Media & Android Program Recipes" on 27 to 29th May 2020 at Trinity College for Women, Namakkal.
12. Attended in Webinar on "Trust Thyself" on 9th Jun 2020 at SRM Trichy Arts and Science College, Trichy.
13. Attended in Webinar on "IoT and It's Applications" on 9th Jun 2020 at Annai Violet Arts & Science College, Chennai.
14. Attended in Workshop on "Hands on Training on Development of e-content (MOODLE) & Educational Video Creation" on 23rd and 24th Jan 2021 at Coimbatore Institute of Technology.
15. Attended in UGC Sponsored Webinar on "Artificial Intelligence" on 31st Aug 2021 at Bharathidasan University"
16. Attended in Faculty Development Programme on "Introduction to Python Programming" on 27th Sep to 1st Oct 2021 at ICT Academy.

17. Attended in Workshop on “Data Science with Python” on 22nd and 23rd Oct 2021 at Jyoti Nivas College Autonomous, Bengaluru.

COURSES TAUGHT - AREA OF SPECIALIZATION

- Design and Analysis of Algorithms
- Theory of Automata
- Discrete Mathematics
- Software Engineering
- Computer Networks

CONTACT INFORMATION

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