

Staff Profile



Name : **Dr.N.Vijayarani [GOLD MEDALIST]**

Position : **Guest Lecturer**

Department : **Computer Science**

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Phone : **Mob: 7010692779**

Office Location : **NKR Govt. Arts College for Women,
Namakkal**

Education:

Course	Name of the Institution	Board of Study	Year of Completion	Marks %
Ph.D.	Bharathiyar University	Bharathiyar University	2019	Highly commented
M.Phil.	Vinayaga Missions	Vinayaga Missions University	2009	70%
M.C.A [GOLD MEDALIST]	Vivekanandha College Of Arts & Sciences For Women, Tiruchencode.	Periyar University	2006	87%
B.C.A	Trinity College For Women, Namakkal.	Periyar University	2003	75%
XII	N.S.A.G.H.S.School, Aniyapuram, Namakkal	State Board	2000	75%
X	N.S.A.G.H.S.School, Aniyapuram, Namakkal	State Board	1998	84%

Professional Experience:

- Having **13 years** of working experience as Assistant Professor.
- Worked as a **Software Engineer** in Serviont Global Solutions Pvt, Ltd from Dec 2006 - July 2008.
- **Worked as an Assistant Professor of MCA Department** in Vivekanandha College of Arts and Sciences for women from **Aug 2008 to April 2015**.
- **Worked as an Assistant Professor of Computer Science Department in Selvamm Arts & Science College, Namakkal from Aug 2015 to May 2016**.
- **Worked As Assistant Professor in Trinity College For Women, Namakkal from June 2016 to March 2019 and Feb 2021 to Jan 2023..**
- **Working as a Guest Lecturer in Namakkal Kavingnar Ramalingam Govt.Arts College For Women, Namakkal from Jan 2024 to Till Date.**

Research Interests:

- **Guided around 7 M.Phil Scholars in various domain.**
- **Guided around 50 PG Students for both Main Project and Mini Project level.**
- **Guided around 40 UG students for doing their Mini Project.**

Publications:

Journals:

- **Dr.N.Vijayarani,Suresh Vellaiyan,” A Comparative Analysis of Energy Consumption in Various Wireless Sensor Network Techniques”,” International Research Journal Of Multidisciplinary Technovation”,Volume 6, Issue 2, Feb 2024,
[DOI: 10.54392/irjmt2428](https://doi.org/10.54392/irjmt2428).(SCOPUS INDEXED)**
- **Dr.Suresh Vellaiyan, Dr.N.Vijayarani, “Multi-Response Optimization Of Water-In-Diesel Emulsion Fuel Operating Parameters Using Taguchi-Grey Analysis”, International Journal of Research Explorer”, Issue - 19; August 2018, ISSN : 2250-1940.**
- **Dr.N.Vijayarani, ,Dr.A.Senthilkumar,L.Santhiya “Performance Comparision Analysis Of Dsr, Dsdv And Aodv Secure Routing Protocols In Wsn”, International Journal of Research Explorer”, Issue - 19 ; August 2018, ISSN : 2349 - 1647.**

- **N.Vijayarani**, Dr.A.Senthil Kumar, “Multipath Routing Protocols in Wireless Sensor Network”, Indian Journal of Science & Technology, Indian Journal of Science and Technology, Vol 10(17), May 2017. ISSN (Online) : 0974-5645. .(SCOPUS INDEXED)
- **N.Vijayarani**, Dr.A.Senthil Kumar, “Consequence of Space Efficient Secret Sharing for Secure Multi-Path Data Delivery in WSN”, Indian Journal of Science and Technology, Volume 10, Issue 10, April 2017. .(SCOPUS INDEXED)
- **N.Vijayarani**, Dr.A.Senthil Kumar, “Study on coverage problems in Wireless Sensor Networks”, International Journal of Contemporary Research in Computer science & Technology October 2016,ISSN: 2395-5325.
- **N.Vijayarani**, M.SriVidhya,’ Security Challenges for Wireless Sensor Network’,International Journal for Research in Applied Science& Engineering Technology”, Volume 2 Issue XII, November 2016,ISSN: 2319-8753 .
- **N.Vijayarani**, Dr.A.Senthil Kumar, “Reliable data deliver in Wireless Sensor Networks” International Journal of Applied and Engineering Research, Volume 10, Number 32 (2015), pp.20273-20278.(SCOPUS INDEXED)
- **N.Vijayarani**, M.SriVidhya,’Wireless Vehicular Communications’, “International Journal for Research in Applied Science& Engineering Technology”, Volume 2 Issue XII, December 2014 ISSN: 2321-9653.

International Conferences:

- **N.Vijayarani**, Dr.A.Senthil Kumar, “Minimizing End-to-End Delay in Wireless Sensor Networks”, proceedings of ICEEICA-16, March 2016.
- **N.Vijayarani**,Dr.A.SenthilKumar, “Survey on Wireless Sensor multi-path routing protocols”, proceedings of ICITR-15, Feb 2015
- **N.Vijayarani**,Dr.A.SenthilKumar,“Reliable data deliver in Wireless Sensor Networks”, proceedings of ICCET-15, Feb 2015.

National Conferences:

- **N.Vijayarani**,“Netgear Push 2 TV-View Media from PC”, Seminar on Technogrid-2010.
- **N.Vijayarani**,“Intelligent Decision Making System for Car Parking”, proceedings of NCACT-12.

- **N.Vijayarani,Dr.A.Senthil Kumar**, “Personal Health Monitoring for Wireless Sensor Networks”, UGC Sponsored National Conference on NCMC-14.
- **N.Vijayarani,Dr.A.Senthil Kumar**, “Wireless Sensor Network using Healthcare”, proceedings of NCIIP-15.

Awards and Honors:

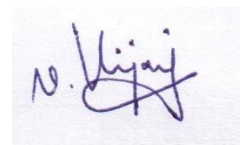
- **FIRST RANK STUDENT** in Periyar University and Achieve the Position of **GOLD MEDALIST** in M.C.A and awarded as a **MERIT STUDENT** by **Karur Vysya Bank** at 2006.
- Won first prize in Periyar University Inter College **Oratorical** Competitions,
- **District level player** in various sports events and **State level player** in Shotput.
- Participated various **National level Seminars** and Workshops and webinars.
- Acted as a **Resource Person** at “Trinity College for Women” for “**COMPUTER LEARNING PROGRAMME FOR HIGHER SECONDARY RURAL STUDENTS**” CONDUCTED “ by TNSCST,Government of Tamilnadu on October 2023.

Area of Specialization:

- **Computer Networks.**
- **Wireless Sensor Networks.**
- **Database Management Systems.**

Contact Information:

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SIGNATURE
(Dr.N.Vijayarani)