

Dr.Barakkath Nisha.U

Associate Professor
Department of
Computer Science & Engineering



Email id : ubnisha@icet.ac.in

Academic Background: **B.E** (CSE),Anna University, Tamilnadu, 2008
M.E (CSE), Anna University, Tamilnadu, 2010
Ph.D (Wireless Sensor Networks), Anna University, Tamilnadu, 2017.

Areas of interest: Wireless Sensor Networks, AI and deep learning, Wireless Multimedia Sensor Networks

Subject handled: **B.Tech:**
Graph Theory and Combinatory, Software Engineering, Distributed Computing, Database Management Systems, Computer Architecture, Object Oriented Analysis and Design, Internet Computing. Object Oriented Programming Language, Artificial Intelligence, Compiler Design
M.Tech:
Research Methodology, Social Network Analytics, Wireless Sensor Networks, Soft Computing, Adhoc Networks, Advanced DBMS, Computational Intelligence

Software Proficiency : MATLAB, NS2, Hadoop

Experience:
(Total Experience)

<p>Academics: (8.5 years)</p> <p>1. March 2010 to May 2017</p> <p>2. May 2017 to Till date</p>	<p>1. Assistant Professor, Department of Computer Science & Engineering, PSNA College of Engineering & Technology, Dindigul, Tamilnadu,</p> <p>2. Assistant Professor, Department of Computer Science & Engineering, Ilahia College of Engineering & Technology, Mulavoor, Muvattupuzha.</p>
---	--

Professional Association Activities

ISTE MEMBERSHIP	:	LM 109857
ISRD MEMBERSHIP	:	M 4150901262

Publications details :

International Journal

- 1. Dr,Barakkath Nisha.U** “Improving Data Accuracy in Data Aggregation with Concealing Salvation in hierarchical Wireless Sensor Network”, Springer Lecture Notes on Data Engineering and Communications Technologies, *Springer International Publishing* ISSN: 2367-4512, **September 2018. (SPRINGER-SCI Indexed)**
 - 2. Dr,Barakkath Nisha.U and R.Yasin Abdullah R** ,“Fuzzy-Based Flat Anomaly Diagnosis and Relief Measures in Distributed Wireless Sensor Network”, *International Journal of Fuzzy Systems*, pp. 1-18, First Online: 22 September 2016 DOI: 10.1007/s 40815-016-0253-2, **September 2016. (SPRINGER-SCI Indexed)**
 - 3. Dr,Barakkath Nisha.U and R.Yasin Abdullah R**, “Improving Data Accuracy Using Proactive Correlated Fuzzy System in Wireless Sensor Networks” *KSI Transactions on Internet and Information Systems*, ISSN: 1976-7277, Vol. 9, No. 9, **September 2015 (SCI Indexed)**
 - 4. Barakkath Nisha U, N.Uma Maheswari**, “Faulty Data Detection in High Dimensional data in Distributed Large
-

Scale WSN”, in IE Journal, PSNA College of Engg and Tech, Dindigul. **February 2015 (Institution of Engineers -India)**

5. **Dr,Barakkath Nisha.U and R.Yasir Abdullah R** ,“Robust Factor Based Anomaly Detection In Hierarchical Wireless Sensor Networks” in Annals. Computer Science Series Journal, ISSN: 1583-7165, PP 15-21, **December 2014. (SCOPUS Indexed)**
6. **Dr,Barakkath Nisha.U and R.Yasir Abdullah R** , "Statistical based outlier detection in data aggregation for wireless sensor networks" , Journal of Theoretical and Applied Information Technology,. Vol. 59 No.3 ISSN: 1992-8645 E-ISSN: 1817-3195 , 31st **January 2014 (SCOPUS Indexed)**
7. **R.Yasir Abdullah R and Barakkath Nisha.U**, “Improved Localization Scheme for Wireless Sensor Networks”, International Journal of Advanced Information Science and Technology, Vol.8, Iss.8, ISSN: 2319-2682, **December 2012.**

International Conferences

1. **Barakkath Nisha U, and R.Yasir Abdullah R**, “Anomaly Detection Using Takagi- Sugeno Model In Wireless Sensor Networks”, International Conference on Recent Innovations in Engineering (ICRIE) held on **April 2016.**
 2. **Dr,Barakkath Nisha.U and R.Yasir Abdullah R** Incorrect Data Detection in Distributed Large Scale WSN, Sri Subramanya College of Engg and Technology, Journal of Recent Research in Engineering and Technology, **April**
-

2015.

3. **Dr,Barakkath Nisha.U and R.Yasir Abdullah R** ,"Robust Estimation of Incorrect Data Using Relative Correlation Clustering Technique in Wireless Sensor Networks" in International conference on Communication and Network Technologies, indexed by **IEEE Xplore Digital Library**, ISBN: 978-1-4799-6265-5, pp 314-318, **December 2014.**
4. **Dr,Barakkath Nisha.U and R.Yasir Abdullah R**," Outlier aware data aggregation in distributed wireless sensor network using robust principal component analysis " in International conference on Communication and Network Technologies, indexed by **IEEE Xplore Digital Library**, ISBN: 978-1-4244-6591-0 pp. 1-9, **July 2010.**
5. **Barakkath Nisha.U** Factor Based Anomaly Detection in Large Scale Hierarchical Wireless Sensor Network International Conference on Embedded Systems (Ices 2010), **July 2010.**

National Conferences

1. **U.Barakkath Nisha** ,"Robust Data Aggregation In Wireless Sensor Network", Proceedings of the 1st National Conference on Recent Trends in Information Technology (NCRIT-2010), 5, **March 2010.**
-

-
2. **U.Barakkath Nisha**, “A Cluster based Data Aggregation Approach for Anomaly Detection in Wireless Sensor Network Using Multivariate Analysis” ,Proceedings of the 2nd National Conference on Issues and Trends in Advanced Computing , (NITAC-2010), 19-20, **March 2010**.
-

Workshops:

1. National Workshops/ Seminar- 17
 2. International Workshops/ Seminar -10
-

**Events Organized/
Conducted**

1. National Workshops/ Seminar- 5
 2. International Workshops/ Seminar -1
-

Achievements

1. Received Best Paper Award in IEEE Conference at MEPCO, Sivaksi
 2. Gold Medalist in PG (First Rank Holder), Anna University, Coimbatore
-

Other Responsibilities

1. NBA Coordinator
 2. FPAD Evaluator Team
 3. Departmental Activity responsibilities
 4. SPOC AI and deep learning
-