Department of Computer Science and Engineering
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Dr.M.Nava Barathy
Assistant Professor (Sr.Gr)

➢ **Research Area:**

> Multimedia Sensor Networks, Image Processing

➢ **Research Interest:**

> Image and Video Processing, Wireless Multimedia Sensor networks, Machine Learning
> and Deep Learning Techniques

➢ **Educational Qualifications:**

Qualification	Department	University	Year (From -To)	Class
B.E CSE	Dept. of CSE, Govt., Engg college, Tirunelveli	Manonmanium Sundaranar University	1998-2002	First
M.E Software Engineering	Dept. of CSE, Guindy Campus, Chennai	Anna University	2002-2004	First
Ph.D.	Computer Science and Engineering	Anna University	2013 - 2021	First

➢ **Experience: 19 years 2 months**

Name of Company / Institutions	Designation of Post	From	To	Relived on	Experience in Year
RVS Engineering College, Dindigul	Lecturer	10.06.2004	06.12.2004	06.12.2004	6 M
Dr.MGR University, Chennai	Lecturer	20.12.2004	02.03.2007	23.04.2007	2 Y 2 M
SRM University, Chennai	Lecturer	26.02.2007	31.12.2007	31.12.2007	10 M
Sona College of Technology, Salem	Senior Lecturer	9.07.2008	21.08.2010	21.08.2010	2 Y 1 M
Anna University Regional Campus - Tirunelveli	Assistant Professor	23.08.2010	Till now	-	13 Y 8 M

- **Awards and Achievements:**

    a. Mentor of the student project titled "Character recognition from palm leaf manuscript" won the second prize in Two-Day project expo on energizing future India organized by Kudankulam Nuclear Power Project, Tirunelveli on 3rd and 4th Sep 2015.
    b. Mentor of the student project titled "Low memory Device enhancer with battery saver" won the second prize in Two-Day project expo on energizing future India organized by Kudankulam Nuclear Power Project, Tirunelveli on 3rd and 4th Sep 2015.

- **Professional Activities:**

    a. Handled sessions in Faculty Development Programs
    b. Coordinator of Workshop and Conference

- **Membership of Scientific and Professional Societies:**

    - Life Member, Indian Society for Technical Education

- **Completed B.E/M.E Projects:**

    a. Number of ME Projects Completed: 65 Nos
    b. Number of BE Project Completed: 24 Nos

- **International Journals: 2**

    a. M.Nava Barathy, Dejey," Two-level data aggregation for WMSNs employing a novel VBEAO and HOSVD", Elsevier Journal of Computer Communications, volume 149, (2020), pp. 194-213 (DOI: 10.1016 /j.comco m.2019. 10.013).
    b. M.Nava Barathy, Dejey," A Novel Protein Sequence Alignment Based Patch Similarity Estimation for Two-Level Data Aggregation in WMSNs", Springer, Wireless Personal Communications, volume 117, (2021), pp. 2265 (DOI :10.1007 /s11277 -021-08 367-6).

Conferences

a. International Conferences: 7

 a. U.Raja Rajeshwari, **M.Nava Barathy**, "Fuzzy based congestion control for WMSN",Proc of International on advances in Engineering research,17th May 2015.

 b. E.Abinayalakshmi, **M.Nava Barathy**, "Improve the accuracy of software defect prediction using classifiers" at Anna University, BIT campus, Trichy in the International Conference on Computational Intelligence (ICCI2015) from 7th and 8th April 2015.

 c. A.Ponselvi, **M.Nava Barathy**, "Source anonymous message authentication algorithm for source privacy in WSN", International Conference on Information, Computing and Communication,6th and 7th March 2015.

 d. M.Mathiyarani, **M.Nava Barathy**, "An enhancing the correctness and trustworthiness of aggregated data using trust based framework in WMSNs", in International Conference on "Recent trends in Engineering and Technology, CSI Institute of Technology, Thovalai in association with IEEE student chapter, Madras section during 13th – 14th March,2014.

 e. N.Senthil Murugan, **M.Nava Barathy**, "Segmentation of the Heart and great vessels in CT images using curvelet transform" International Conference on Emerging trends in Information and communication Engineering,6th April 2013.

 f. S.Jeyam,**M.Nava Barathy**, "Improving diversity multiprocessing delay tradeoff in wireless networks using ARQ mechanism", Proc. Of International Conference on emergingvtrends in Information and Communication (ICEICE'13) held at CAPE institute of Technology, 2013.

 g. J.Jenifa, **M.Nava Barathy**, "Computing energy sensor networks using linear array approach" in proceedings of International Conference on Intelligent Science and Technology , 2012, pp.no.139.

b. National Conferences: 9

 a. **M.Tamilarasi, M.Nava Barathy,**"Software effort estimation models: A comparative analysis" at Government college of Engineering, Tirunelveli in the 11th National conference on High performance computing on 9th April 2015.

b. M.Tamilarasi, **M.Nava Barathy**, "Improve the accuracy of software defect prediction using classifiers", Proc. Of International Conference on "Computational Intelligence" held at AU Bharathithasan Institute of Technology Campus, Trichy on 7th and 8th April 2015, pp. 564-568.

c. Karthika.G, **M**.**Nava Barathy** , "Survey on Enhancing energy efficiency using scheduling in WMSNs", Proc. of National Conference on Computing and Communication, 3rd and 4th of April 2014, pp. 83-89.

d. Karthiga.G, **M.Nava Barathy**, "Improving lifetime of the camera sensors using scheduling in WMSNs", Proc. of National Conference on recent trends in Advanced intelligent Computing and Communication held at Mahadevi Bharathiyar College of Eng., and Technology, 2014.

e. Mathyarani M, **M.Nava Barathy, "**Survey on enhancing the correctness and trustworthiness of aggregated data using trust based framework in WMSNs, Proc. of National Conference on Computing and Communication, April 2014, pp. 96-101.

f. S.Harihara Suthan ,**M.Nava Barathy**, "Automatic detection of vehicle from traffic scene using AND-OR-GRAPH", National Conference on Novel Computing, March 2014.

g. P.Thanuja, **M.Nava Barathy**, "Local texture and global statistical features based image authentication scheme", National conference on emerging trends in computing technologies,14th March 2014.

h. M.S.Deepika, **M.Nava Barathy**, "Increasing network lifetime using HABC in WSN", 3rd National conference on advanced VLSI ,Image Processing and Communication system held at Einstein College of Engineering on 4th April 2013,.

i. E.Jayavathy ,**M.Nava Barathy**, "Bandwidth utilization for zigbee cluster tree networks",4th national conference proceeding on Info science and Engineering held at PSN College of Engineering and Technology on 8th April 2013.

DECLARATION:

I CERTIFY THAT THE INFORMATION FURNISHED ABOVE IS CORRECT TO THE BEST OF KNOWLEDGE AND BELIEF.

DATE: Signature with date