

RESUME



1. Name : **D.USHA**
2. Present Status : “Assistant Professor”
Department of Computer Science
Mother Teresa Women’s University
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5. E-Mail ID : ushadanabal@gmail.com
6. Date of Birth : 12.02.1977
7. Educational Qualification :

Degree	Subject	University / College	Year / Percentage
M.C.A	Computer Science	M.S University, Tirunelveli	2002/ (65.75%)
M.Phil	Computer Science	Bharathidasan University, Trichy	2005 (68%)
M.Tech	Computer Science and Information Technology	M.S University, Tirunelveli	2007 (72.72%)
Ph.D	Computer Science and Information Technology	M.S University, Tirunelveli	2014

8. Professional Experience :

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
The Indian Engineering College, Vadakkankulam	Lecturer	10.04.2002	30.06.2005	3	2	20
Infant Jesus College of Engineering	Assistant Professor	02.05.2007	09.05.2008	1	0	7
National Engineering College	Assistant Professor	14.05.2008	07.04.2014	5	10	23
Infant Jesus College of Engineering	Associate Professor	14.04.2014	05.01.2015	0	8	21
Total				10	10	11

9. Area of Specialization : Wireless Sensor Networks

Ph.D Dissertation Title: Design and Feasibility Study of Routing Protocols for Efficient Routing in WSN with Dependable Qos Parameters.

10. Achievements : GATE Score

11. Expert Lecture Delivered :

S.No	Date	Topic	Venue
1.		Wireless Sensor Networks	SCAD College of Engineering and Technology, Cheranmahadevi
2.	12.11.2015	Data Communications and Networking Hardware	Infant Jesus College Of Engineering, Tirunelveli
3.	07.12.2015	Real Time Applications and Design Issues of Wireless Sensor Networks	Infant Jesus College Of Engineering, Tirunelveli
4.	08.07.2016	Artificial Intelligence and Robotics	Infant Jesus College Of Engineering, Tirunelveli

12. Short term Courses / Seminars / FDP **Organized:**

S.No	Date	Topic	Venue
1.	03.06.13 to 10.06.13	Theory of Computation	Anna University, Chennai, National Engineering College, kovilpatti
2.	14.06.13 to 15.06.13	Latex Essentials for Beginners	AICTE, New Delhi, National Engineering College, kovilpatti
3.	06.10.2015	Software Testing	Mother Teresa Women's University College, Kodaikanal
4.	29.10.2015 & 30.10.2015	Computer Hardware and Data Communications	Mother Teresa Women's University College, Kodaikanal
5.	24.11.2015 & 25.11.2015	Photoshop, Flash and Php	Mother Teresa Women's University College, Kodaikanal
6	2.03.2017 & 3.03.2017	International conference on "Digital India"	Vivekanandha Institute of Information and Management studies, Thiruchencode.

13. Acted as Coordinator for the seminars:

S.No	Date	Topic	Venue
1.	22.07.2015	Bridging the knowledge gap for sustainable community based solution in water, sanitation and hygiene	Mother Teresa Women's University, Kodaikanal
2.	25.07.2015	Crisis in Indian Agriculture	Mother Teresa Women's University, Kodaikanal

13. Publications

List of Journals

S.No	Title of the Paper	Journal Name	Month & Year
1.	Security Threats and its Countermeasures in Wireless Sensor Networks: An Overview	International Journal of Computer Applications Foundation of Computer Science, New York, USA.	Vol-29, No.6, Pages 3570-4925. ISBN: 978-93-80864-77-9. September 2011.
2.	A Swarm Intelligent Secured Routing for Wireless Sensor Network	International Journal of Computer Applications Foundation of Computer Science, New York, USA.	Vol.-57 No. 6, Page No :9120-3277 ISBN : 973-93-80870-21-November 2012
3.	A Novel Routing Protocol that Guarantees Swiftness and Reliability for Wireless Sensor Network	International Journal of Computer Applications Foundation of Computer Science, New York, USA.	Vol.-58 No. 19, Page No : 9389-3772 ISBN : 973-93-80870-49-1 November 2012
4.	Multispeed Energy Efficient Reliable Routing in Wireless Sensor Networks	International Journal of computing, communication and Information System. (IJCCIS)	Vol. No. 1, Page No 34 – 39. Jan – June 2010 ISSN:0976-1349
5.	Multi-Velocity Energy-Efficient Reliable Routing Protocol for Coal Mine Monitoring	International Journal of Computer Applications Foundation of Computer Science, New York, USA.	Vol-87 No-3 Page No.15187-3547 ISBN : 973-93-80880-13-2 February 2014
6.	A Novel and Reliable Attribute Ratio Congestion Control Technique for WSN	International Journal of Scientific and Engineering Research	ISSN 2229-5518. Jan 5 2016
7.	A Novel Intrusion Detection Algorithm (NIDA) for WSN'S	International Journal of Scientific and Engineering Research	ISSN 2229-5518. March 22 2016
8.	Safeguarding Privacy in Big Data	International Journal of Scientific and Engineering Research	ISSN 2229-5518. May 1 2016
9.	A frame work for keeping Data Safe in Cloud Transmissions	International journal of Computer science Engineering AND Information Technology Research	ISSN 2249- 6831 vol.7 Page no. 53-58, Feb 2, 2017
10.	Dvd Algorithm Based On Nearest Neighbor For Wsn	International Journal of Computer Science and Application (IJCSA)	ISSN 2324-7134, Vol.6 Issue 1(June 2017)

List of International Conferences

S.No	Title of the Paper	Title of the Conference	Organizer	Month & Year
1.	Multispeed Energy Efficient Routing (MERR) Protocol for coal mine Monitoring	International Conference on High Performance Communication Networks and Computing (HPCNC 2010)	School of Computing, Sastra University, Thanjavur	22-23 January 2010
2.	A novel Protocol providing probabilistic Qos guarantee in terms of reliability and	International Conference on Sensors and Related Networks (SENNET-'09)	VIT University, Vellore	08.-10 December 2009

	timeliness for Wireless Sensor Network			
3.	Coverage preserved Optimal Routing Protocol for improving the quality of Service in Wireless Sensor Networks	International Conference on Interactions Sciences (ICIS)	The Association for Computing Machinery (ACM), Korea	24-26 th – November 2009. Pages 1427-1431. ISBN:978-1-60558-710-3
4.	Multi-velocity Energy-efficient Reliable Routing Protocol for Coal Mine Monitoring	International Conference on Computer Science and Information Technology (CCSIT- 2013)	Accepted for Publication in Springer (LNICST) Academy & Industry Research Collaboration Center (AIRCC), Australian Research Council (ARC)	February 18 -20 2013
5.	Issues and Challenges of Rural Women Empowerment	International Women’s Conference – Bridging Rural & Global	Mother Teresa Women’s University, Kodaikanal	14-16, July 2015
6.	Survey of Iris Application in Biometrics	Digital India	Mother Teresa and Vivekanandha Institute	2 & 3 March 2017

List of National Conferences

S.No	Title of the Paper	Title of the Conference	Organizer	Month & Year
1.	An Effective enhanced collision control Mechanism for wireless Sensor Networks	National Conference on Advances in Computer Engineering and Networking (ACENET 09)	PSNA College of Engineering, Dindigul	21 st March 2009
2.	Importance of sanitation for Women	Bridging the knowledge gap for sustainable community based solution in water, sanitation and hygiene	Mother Teresa Women’s University, Kodaikanal	22.07.2015
3.	Role of Wireless Sensor Networks in Agriculture	Crisis in Indian Agriculture	Mother Teresa Women’s University, Kodaikanal	25 July 2015

14. Participated in the UGC-Human Resource Development Centre, Bharathiar University, Coimbatore organized 112th **Orientation Programme** from **24.05.2016 to 20.06.2016**

15. List of Workshops/ seminars/ FDP **attended:**

1. Participated in two days seminar on “**Pattern recognition for multimedia content analysis**” on (16.05.2008 and 17 05.2013).

2. Participated in the two day workshop on “ **Micro Teaching**” (18.07.2008 and 19.07.2008)
3. Participated in the two day national seminar on “ **Research issues and Challenges towards Cognition Architecture**” (19.12.2008 and 20.12.2008)
4. Participated in the two day state level seminar on “ **Recent Research: Multi Perception**” (18.09.2009 and 19.09.2009)
5. Participated in DST Sponsored a Two day National Level Seminar on **Contemporary Research Avenues in Nomadic Computing** (18.12.2009 & 19.12.2009).
6. Participated in CSIR sponsored two day seminar on “ **Nano Bio Sensors in Bio Medical Engineering** ” (17.02,2010 and 18.02.2010)
7. Participated in a two day workshop on “**Network Simulator Tools**” in Anna University, Tiruchirapalli (17.07.2010 and 18.07.2010).
8. Participated in the two days national seminar on “**Research issues in Wearable computing**” in National Engineering College (28.01.2011 and 29.01.2011)
9. Participated in one day technical seminar on” **Media security: A set-theoretic framework for Data Hiding**” in National Engineering College (29.08.2012)
10. Participated in the IEEE Faculty Development Program on **Human Computer Interaction with Ubiquitous , Pervasive and Haptic technologies** (30.12.2012 and 31.12.2012).
11. Participated in two days national level workshop on “ **Network Simulation Using NS2**” in Anna University Coimbatore (1.11.2012 & 2.11.2012)
12. Participated in UGC sponsored two days workshop on “ **Advanced concepts in Wireless Networks**” on (03.05.2013 and 04.05.2013)
13. Participated in the Faculty Development Program on “**Theory of Computation**” (03.06.2013 to 10.06.2013).
14. Participated in the Faculty Development Program on “ **Recent Trends in Computer Science and Engineering**” from (10.09.2013 to 16.09.2013)
15. Participated in National Seminar on “ Digital Marketing workshop” on 09 & 10 april 2015.
16. Participated in one day National Seminar on “ Managing risks of Hazardous Chemicals at work on 28 sept 2015.
17. Participated in one day seminar on Software Testing on 06.10.2015.
18. Participated in one day seminar on Recent trends on marketing system on 14.10.2015

19. Participated in two day seminar on Computer Hardware and Data Communications on 29 & 30 oct 2015.
20. Participated in two day workshop on Photoshop, Flash Php on 24 & 25 2015.
21. Participated in a 3 days' Workshop on Applied Statistics on Bioinformatics and R tool in Thiagarajar College of Engineering, Madurai on 15,16 &17th of Feb 2017
22. Participated in 5 days Workshop on Satellite Image Processing in KLN College of Engineering, from 11th September to 15th September 2017.

Dr. D.USHA