Profile

1	Name of the Faculty	Dr. Sridevi M Hosmani	
2	Date of joining	01/02/2013	
3	Email id	Sridevi.gecw@gmail.com	
4	Designation	Associate Professor	
5	Department	Computer science & Engineering	
6	Education Qualifications	B.E(Electronics & Communication Engineering) M.Tech(Computer Science & Engineering), Ph.D(Computer Science & Engineering)	

7	Work Experience	Teaching	Research	Industry	Others
		12Yrs	7.5 Yrs	0	0

8	Area of Specialization	Wireless Networks, VANETs

9	Courses taught at Diploma/ PostDiploma/ Under Graduate/ PostGraduate/PostGraduateDiploma Level	Under Graduate -Electronic Circuits & Logic Design, Microprocessor & Microcontroller, Computer Networks, Automata Theory and Computability, Cryptography, Ad Hoc Networks, AWS Cloud, SAN, Python Machine Learning, Deep Learning. Post Graduate-Wireless Networks & Mobile Computing, ANN & Deep Learning. Ph.D- Wireless Mobile Network.

10	No.of papers published in National/InternationalJournals/Conferences		
	Journals	National	International
		0	21
	Conferences	National	International
		0	3
	ResearchGuidance		
		Completed	Ongoing
	MasterDegree	08	01

	Ph.D.	**Nil**	**02**
11	**Projects Carried out**	**17**	**01**
12	**Patents**	**05**	**-**
13	**Technology Transfer**	**Nil**	

Publications in International/ National Journals

International Journals

1. **Sridevi, Shruti, "Secure and Distributed Data Query In Intermittently Connected Passive Ad-Hoc Networks", International Journal of Advanced Research in Computer Engineering & Technology , Volume 4, Issue 5, May 2015.**
2. **Sridevi, Savita M K, "Enhancement of QoS performance in Mobile Ad-Hoc Networks", International Journal of Advanced Research in Computer Engineering & Technology , Volume 4, Issue 5, May 2015.**
3. **Sridevi H, Humera Sadiya" A Novel Verification with Restrictive Security Protection and non Renouncement for Vanets", International Journal for Innovative Research in Science and Technology, Vol 3 Issue 3, August 2016**
4. **Sridevi H, Adiba Tahniat, " Reliable and Dynamic Routing Approach for Airborne Mesh Networks", International Journal for Scientific Research and development, Vol 5, Issue 6, August 2017**
5. **Sridevi H, Sumayya Afreen " Data Security in Wireless Sensor Networks using Hash Functions", International Journal for Scientific Research and development, Vol 5, Issue 6, August 2017**
6. **Sridevi Hosmani, Basavaraj Mathapati," A Life Time Based Cluster Head Selection In Vanets Using Cbltr Protocol", Journal of Emerging Technologies and Innovative Research, September 2018, Volume 5, Issue 9. UGC**
7. **Sridevi Hosmani, Basavaraj Mathapati," QOS Aware Routing Protocol for VANETS", Journal of Advanced Research in Dynamical & Control Systems, vol. 11,06- special issue, 2019 ISSN 1943-023X.Scopus**
8. **Sridevi, Basavaraj Mathapati, "Survey On Cluster Based Data Aggregation For Vanets", Journal of Emerging Technologies and Innovative Research, June 2019, Volume 6, Issue 6.**
9. **Sridevi, Ratnamala, "Implementation of Machine Learning Techniques applied to the Network Intrusion Detection System", Journal of Information and Computional Science, Volume 10, Issue 9, September 2020.**
10. **Sridevi H, Basavaraj Mathapati, "Weighted Clustering with Robust Data Aggregation for Vehicular Ad Hoc Networks", International Journal of Advanced Science and Technology, January 2020.Scopus-**
11. **Sridevi Hosmani, Basavaraj Mathapati, "Efficient Vehicular Ad-Hoc Network Routing Protocol using Weighted Clustering Technique." International Journal of Information & Technology,14 october 2020 Springer Q2**
12. **Sridevi Hosmani, Basavaraj Mathapati, "Robust and Reliable Secure Clustering 7 Data Transmission in Vehicular Ad-Hoc Network using Weight Evaluation", Journal**

of ambient Intelligence and Humanized Computing.5 August 2021. Springer Q1

13. Sridevi Hosmani et al "Competitive Analysis for the Auditing Cloud Consistency", International Journal of Scientific Research in Science and Technology, 06 June 2022.

14. Sridevi Hosmani, Vidyashree "FORTIFIED CHAIN: A Blockchain Based Framework for Security & privacy-Assured Internet of Medical Things with Effective Access Control ", International Journal of creative Resarch Thoughts, Vol 10, issue 8 august 2022.

15. Sridevi Hosmani, Vidyashree "Sentiment analysis of Covid-19 twitter Dataset using ML ", International Journal of creative Research Thoughts, Vol 10, issue 8 august 2022.

16. Sridevi Hosmani et.al, "Driver Behaviour Recognizer Based on Light Weight Convolution Neural Network Architecture and Attention Mechanism", Journal of Emerging Technologies and Innovative Research, Volume 10, issue 6, June 2023

17. Sridevi Hosmani et.al, "A Novel Approach to Advanced Deep Learning Techniques for Autonomous Vehicle Traffic Sign Detection", Journal of Emerging Technologies and Innovative Research, Volume 10, issue 6, June 2023

18. Sridevi Hosmani et.al, "Combined deep learning and machine learning models for the prediction of stages of melanoma", Journal of Autonomous Intelligence- Scopus

19. Sridevi Hosmani et.al, "Research Over Different Techniques in Implementation to Detect DoS Attacks in Current Internet Area", European Chemical Bulletin, 13(Regular Issue), 65-72,2024.

20. Sridevi Hosmani et.al, "Hybrid Optimization based Reliable Routing with Traffic Management and Congestion Control", International Journal of Grid and utility Computing.- Accepted

21. Sridevi Hosmani et.al, "Enhancing Melanoma Skin Cancer Diagnosis Through Transfer Learning: An EfficientNetBO Approach. Acadlore Transcaction Machine Learning", 3(1),57-69. DoI:https://doi.org/10.56578/ataiml030105.

International Conference
1. Sridevi, Basavaraj Mathapati," Survey on cluster based routing protocols in VANETs", 2017 second International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT), 978-1-5386-2361-9/17/$31.00 ©2017 IEEE.

2. Sridevi, Basavaraj Mathapati," Efficient Vehicular Ad Hoc Routing protocol using Weighted Clustering Technique", 2018 Third International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT), 978-1-5386-5130-8/18/$31.00 ©2018 IEEE.

3. Sridevi Hosmani et al, "Combined Deep Learning and Machine Learning Models for the Prediction of Stages of Melanoma", International Conference on Intelligent Systems and Computation (ICISC 2022) .

Patents:

1. **A System for Secure Clustering and Data Transmission in Vehicular Ad Hoc Network using Weight Evaluation, Application No. 202241020085 A, Published 15/04/2022.**
2. **A System Provided for Attack resilient Position Based Vanet Protocol Using Ant Colony Optimization, Application No. 202341015718 A, Published 09/03/2023.**
3. **A Novel Hand Operated manual Seeder Machine for Peanut Seeding Process in Agriculture. Design No:6326234,UK Grant Date: 23/11/2023**
4. **IoT Based Weather Monitoring Device for Weather Prediction. Application No: 402539-001.**
5. **AI Based Wireless Electricity Consumption Monitoring Device. Application No: 402827-001.**