Dr. SHIVANI . S . BHASGI
BE - M. Tech - Ph. D
Computer Science and Engineering

07.05.1991

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Exam	University/ Board	Year	Class Obtained	Specialization
SSLC	Karnataka Secondary Education Examination Board	2007	Distinction	-
PUC	Karnataka Board of Pre- University Education	2009	First	-
BE	VTU	2013	First class with Distinction	Information Science and Engineering
(M.Tech)	VTU	2015	First class with Distinction (till 3rd semester)	Computer Science and Engineering
(M.tech+Ph.D)	VTU	2023	Completed	Computer Networks

Journal Publications

1. Bhasgi, S.Shivani., Terdal, S. "Energy and target coverage aware technique for mobile sink based wireless sensor networks with duty cycling". Int. j. inf. tecnol. (2021) Springer(scopus indexed). https://doi.org/10.1007/s41870-021-00794-9.

2. S Bhasgi,Shivani; Terdal.Sujatha, "Delay Aware Efficient Mobile Sink Path with Distributed Fault Detection and Recovery in Wireless Sensor Networks" International Journal of Computing and Digital Systems (Scopus Indexed) (unpaid)Vol no 11,No 1,2022. http://dx.doi.org/10.12785/ijcds/110142.

3. Bhasgi, S. Shivani., Terdal, S. (2021), "A Survey on Bio-inspired Routing Algorithms in Wireless Sensor Network." International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies, 12(2), 12A2Q, 1-13(SCI INDEXED). http://doi.org/10.14456/ITJEMAST.2021.38.

4. Shivani S Bhasgi, Sujatha Terdal, "Energy Effective Data Gathering In WSN: A Hybrid Approach Using K-means and AFSO." Turkish Journal of Computer and Mathematics Education Vol. 12 No. 11, 2021.

5. Shivani S Bhasgi, Dr. Sujatha Terdal, "Grid-Based Design for Dual Monitoring Applications in WSN With Mobile Sink", International Journal of Advanced Research in Computer Science Vol. 13, No. 4, 2022. https://doi.org/10.26483/ijarcs.v13i4.6894.

6. Halkai, A., Terdal, S., & Bhasgi, Shivani. (2022). Improved Quality of Services with Intelligent MAC in Wireless Sensor Networks for Mission Critical Applications. Asian Journal of Electrical Sciences, 11(2), 30–34. https://doi.org/10.51983/ajes-2022.11.2.3546

Patent

1. Design and Performance Evaluation of Efficient Routing Techniques in Wireless Sensor Networks, Application no: 202241047464, Publication Data: 16-9-2022.

Conference/Book Chapters

1. Bhasgi, S.S., Terdal, S. (2021). Distributed and Energy Balanced Routing for Heterogeneous Wireless Sensor Network. In: Satapathy, S.C., Bhateja, V., Favorskaya, M.N., Adilakshmi, T. (eds) Smart Computing Techniques and Applications. Smart Innovation, Systems and Technologies, vol 224. Springer, Singapore. https://doi.org/10.1007/978-981-16-1502-3_70.

2. Presented paper titled "Faulty Node Identification and Retrieval in WSN" at International Conference on Multidisciplinary Research (IMR-2022) held on 22nd -24th November 2022 at Sharnbasva University, Kalaburagi.

3. Presented paper titled "Improved Quality of Services with Intelligent MAC in Wireless Sensor Networks for Mission Critical Applications-IQMAC" at International Conference on Multidisciplinary Research (ICMR-2022) held on 22nd -24th November 2022 at Sharnbasva University, Kalaburagi.

Reviewer for Journals and conferences

1. International Journal of Computing and Digital Systems
2. International Journal of Computers and Applications
3. 2022 international conference on innovation and intelligence for informatics, computing and technologies
4. 2023 International conference on cyber management and engineering.
5. ICAISC-2023 IEEE International conference on Applied Intelligence and Sustainable Computing.
6. ICDSNS-2023 First IEEE International Conference on Data Science and Network Security.
7. ICICACS-2024 2nd International conference on Integrated Circuits and Communication Engineering.

Short Term Courses (FDPs) Attended

Sl no.	Course title	Place	Sponsor/ organised	Date
1	Cloud infrastructure (AWS)	Brainovision Solutions (online)	AICTE	21st -25th august 2023
2	Fundamentals of Data Science and Analytics	VTU, Centre for PG Studies, Chikkaballapur.	AICTE -VTU	5th-9th June, 2023
3	IP Awareness / Training Program	Online	NiPAM	5th may 2022
4	Contemporary Research Trends in Electronics & Communication, and Computer Science	Dept of E & C, VTU, Centre for PG Studies, Kalaburagi. (virtual)	IETE	6th -10th July 2020
5	Innovative Research Trends in Information Technology	Dept of CSE, PES Institute of Advance Management Studies, Shivamogga (virtual)		17th-20th,22th June 2022
6	Three Days Virtual Hands-on Training Program on PYTHON for DATA ANALYSIS	School of Computing and Information Technology, Reva University(virtual)		17th-19th June 2020
7	Network Simulator Using NS-3-A Research perspective	Dept of ISE, SVCE, Bangalore(virtual)	IETE, New Delhi	6th June 2020
8	Next Generation Electronics and Computer Networks	Dept of E&CE, BKIT, Bhalki(virtual)		2nd-6th June 2020
9	Advanced communication and networking technologies.	Indian Institute of Information Technology Dharwad.		8th-12th July 2019
10	Designing a website using WIX and Stewarding Excellence at University of Illinois, USA	Library, PDACEK	TEQIP	12th Jan 2018
11	Use Of E-Resources for Teaching and Research	Library, PDACEK		19th May 2017
12	IEEE Xplore and Knimbus E- Library Resources	Library, PDACEK	TEQIP	11th March 2017
13	Machine Learning Algorithms and Applications	Dept Of ISE, GAT College Bangalore		23rd-28th Jan 2017
14	Big Data and Hadoop	CSE Dept, PDACEK	TEQIP	29th feb -4th Mar,2016

15	Research Methodologies and Latex	Dr.P.G.Halakatti College of Engineering and Technology ,Vijayapura	Organized By V.T.U E-Learning Centre	18th-20th Feb 2016
16	Real Time Wireless Sensor Networks and IoT	CSE Dept, GSSS Institute of Engineering and Technology for Women, Mysuru		27th -28th Jan 2016
17	Multicore Architecture, Multithreading and Programming	CSE Dept, Acharya Institute of Engineering and Technology		21st-23rd August 2014
18	Storage Area Network Configuration and Management	CSE Dept, Acharya Institute of Engineering and Technology		13th-15th Oct 2014
19	National Level Web Development Workshop	Appa Institute of Engineering and Technology	Organised By Ritsan Media Ventures Pvt Ltd with IIT Roorkee	2013