



Poojya Mahashree Dr. Gubayini S. Appa
President, Sharnbasveshwar Vidya Vardhaka Sangha
Chavola, Sharnbas University, Kalaburgi



Poojya Chiranjeevi Doddappa Appa
7th Mahashukha Pothashigutli,
Sharnbasveshwar Samsthan



Poojya Dr. Sharnbasappa Appa
7th Mahashukha Pothashigutli,
Sharnbasveshwar Samsthan

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Sharnbasva
ಕಲಬುರಗಿ-585 103
ಕರ್ನಾಟಕ-ಭಾರತ
ಸ್ಥಾಪನೆ : 2017



ವಿಶ್ವವಿದ್ಯಾಲಯ
University
Kalaburagi-585 103
Karnataka-India
Estd.: 2017



Poojya Doddappa Appa
7th Mahashukha Pothashigutli,
Sharnbasveshwar Samsthan



Mahashree Godutal
Doddappa Appa
Founder President, Sharnbasveshwar
Vidya Vardhaka Sangha

FACULTY PROFILE

PERSONAL DETAILS	
Name	Dr. Suma S
Designation	Associate Professor
Department	Computer Science and Engineering
Qualification	BE, MTech, PhD.
Date of Joining	02/06/2026
Nature of Association	Regular
Email id	---@suk.edu.in

ACADEMIC DETAILS				
Sl. No.	Name of the Degree	University/Institute	Department/ Subject/ field	Year
1.	Ph. D.	Visvesvaraya Technological University, Belagavi	Wireless Sensor Network	2023
2.	PG (M. Tech.)	Visvesvaraya Technological University, Belagavi	Computer Network Engineering	2013
3.	UG (B. Tech. / BE)	Visvesvaraya Technological University, Belagavi	Computer Science and Engineering	2009

PROFESSIONAL DETAILS					
Sl.No.	Organization	Designation	Period		Total Experience
			From	To	
1.	Faculty of Engineering and Technology Exclusively for Women	Associate Professor	02/06/2026	Till Date	12 Years
2.	CMR Technical Campus, Hyderabad Telangana	Associate Professor	21/03/2023	08/05/2026	
3.	PDACEK	Assistant Professor (Guest Lecturer)	02/05/2013	31/12/2022	

AREA OF INTREST
Wireless Sensor Networks, Cybersecurity, Artificial Intelligence, Data Mining

RESEARCH PUBLICATIONS					
National Journals	International Journals	National Conferences	International Conferences	Scopus/Web of Science Publications	Total
--	13	--	24	--	37

BOOK/BOOK CHAPTERS PUBLISHED		
SL.No.	Title of the Book	ISBN number
1.	Book Published: Convergent Technologies: AI,Quantum Computing and Wireless Networks in the Digital Age	Year Publication: 2025 Publisher Name:NC Publishers ISBN: 978-81-989023-3-7
2.	Book Chapters: Energy Optimization Model for Industrial Wireless Sensor Networks Based on Improved Bald Eagle Search Optimization Algorithm. In: Mandal, D., Eshwarappa, M.N., Frnda, J. (eds) Wireless Edge Computing in Internet of Everything. ICWCIE 2024. Lecture Notes in Electrical Engineering, vol 1467. Springer, Singapore, ISBN978-981-95-0788-7 . https://doi.org/10.1007/978-981-95-0788-7_39	ISBN978-981-95-0788-7
3.	“An Assessment of an Ideal Huffman Coding Related Approach for the Better Lossless Compression of Images Using IWT”. In: Kumar, A., Mozar, S. (eds) Proceedings of the 7th International Conference on Communications and Cyber Physical Engineering. ICCCE 2024. Lecture Notes in Electrical Engineering, vol 1466. Springer, Singapore, ISBN 978-981-95-0269-1. https://doi.org/10.1007/978-981-95-0269-1_68	ISBN 978-981-95-0269-1
4.	“ An Innovative Machine Learning Algorithm Driven by Artificial Intelligence for a Security Application Modeling” . In: Kumar, A., Gunjan, V.K., Senatore, S., Hu, YC. (eds) Proceedings of the 6th International Conference on Data Science, Machine Learning and Applications- Volume 1. ICDSMLA2024 2024. Lecture Notes in Electrical Engineering, vol 1528. Springer, Singapore. https://doi.org/10.1007/978-981-95-5831-5_40	ISBN978-981-95-5831-5
5.	“Novel Approach for Monitoring and Controlling Energy in Smart Homes”. Proceedings of Sixth International Conference on Computer and Communication Technologies. IC3T 2024. Lecture Notes in Networks and Systems, vol 1357. Springer, Singapore. https://doi.org/10.1007/978-981-96-7477-0_47 ,ISBN978-981-96-7477-0	ISBN978-981-96-7477-0
6.	“Rapid Implementation of the Cloud Data Mining Algorithm Through Hadoop for Massive Datasets Utilizing the HDFS Files System”. Lecture Notes in Networks and Systems, vol 1230. Springer, Cham. https://doi.org/10.1007/978-3-031-78943-4_36 , ISBN 978-3-031-78942-7,volume 1230	ISBN 978-3-031-78942-7
7.	“Employing a Computational Learning Technique: Tumour Detection and Classification on MRI Images.” Proceedings of the 15th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2023). SoCPaR 2023. Lecture Notes in Networks and Systems, vol 1243. Springer, Cham. https://doi.org/10.1007/978-3-031-81080-0_40 , ISBN978-3-031-81080-0	ISBN978-3-031-81080-0
8.	“PCOS Screening Using Machine Learning and Ensemble Learning Techniques in a Smart Way”. ICISSC 2024. Smart Innovation, Systems and Technologies, vol 417.Springer, Singapore Published 2025. https://doi.org/10.1007/978-981-97-8355-7_6 ,ISBN 978- 981-97-8354-0	ISBN 978- 981-97-8354-0
9.	“Design of an Automated Smart Waste Management Systems Using CNN”. ICMEET 2023. Lecture Notes in Electrical Engineering, vol 1281. Springer, Singapore. https://doi.org/10.1007/978-981-97-8422-6_23 , 11 December 2024,ISBN978-981-97-8422-6	ISBN 978-981-97-8422-6

10.	“Congestion Control and Avoidance Scheme Using Mobile Nodes in Wireless Sensor Network”.ICDSAI 2023. Springer Proceedings in Mathematics & Statistics, vol 438. Springer, Cham. https://doi.org/10.1007/978-3-031-51163-9_32 , ISBN 978-3-031-51163-9	ISBN 978-3-031-51163-9
11.	Congestion Control Algorithms for Traffic and Resource Control in Wireless Sensor Networks. In: Satapathy, S.C., Raju, K.S., Shyamala, K., Krishna, D.R., Favorskaya, M.N. (eds) Advances in Decision Sciences, Image Processing, Security and Computer Vision. ICETE 2019. Learning and Analytics in Intelligent Systems, vol 3. Springer, Cham. https://doi.org/10.1007/978-3-030-24322-7_88	ISBN978-3-030-24322-7
12.	‘Dynamic Shortest Path Routing Algorithm to Reduce Retransmission and Congestion Avoidance for Mobile Nodes in Wireless Sensor Network’. In: Joby, P.P., Balas, V.E., Palanisamy, R. (eds) IoT Based Control Networks and Intelligent Systems. Lecture Notes in Networks and Systems, vol 528. Springer, Singapore., ISBN:978-981-19- 5844-1, https://doi.org/10.1007/978-981-19-5845-8_46 ISBN:978-981-19-5844-1	ISBN:978-981-19-5844-1

PATENTS			
SL.No.	Patent No.	Title	Status with Date
1	481144-001	AI BASED PLANT LEAF DISEASE DETECTION DEVICE	Design Patent Published on 21/11/2025
2	411969-001	PUBLIC SECURITY CAMERA DEVICE	Design Patent Published on 29/03/2024
3	388658-001	AI AND IOT BASED SMART WALKING STICK FOR VISUALLY IMPAIRED WITH ALERTING UNIT	Design Patent Published on 19/06/2023
4	202241003690 A	DYNAMIC MULTIPATH ROUTING USING MOBILE NODES TO REDUCE DELAY AND ENERGY CONSUMPTION FOR CONGESTION CONTROL IN WIRELESS SENSOR NETWORKS	Published on 04/02/2022

Citation Metrics		
h-Index	i10 Index	Total Citations
08	06	133

PROFESSIONAL BODY MEMBERSHIP	
Sl.No.	Name of the Professional Body
1.	IEEE Professional Member
2.	Life Member, Indian Society for Technical Education (ISTE), New Delhi
3.	Life Member, Institution of Engineers (India).
4.	Life Member, Institute of Scholars.

FDP/SEMINAR/WORKSHOP/CONFERENCE ORGANIZED		
Sl.No.	FDP/SEMINAR/WORKSHOP/CONFERENCE	Number
01	Faculty Development Program	20
02	National Conference	01

03	Seminar	05
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SUBJECTS TAUGHT	
UG	PG
• Computer Networks • Data Structure • Design and Analysis of Algorithms • Software Engineering • Internet of things • Python • Discrete Mathematics Structures • Compiler Design	• Wireless Networks & Mobile Computing • Research Methodology • Cloud Computing • English for Research Paper Writing • Cybersecurity • Ad Hoc Networks • Data Mining • Machine Learning

AWARDS AND RECOGNITIONS
Best Mentor Award (2025) from CMR Technical Campus, acknowledging dedication to fostering student success, career readiness, and technical skills through effective mentorship
Young Researcher Award 2020 by Institute of Scholars (InSc) for paper the paper “An Effective Congestion Control Approach through Route Delay Estimation Using Packet Loss in Wireless Sensor Network” (May 17, 2019). 9 (Scopus)Pages Available at https://www.insc.in/awards/singleinfo.php?tid=2618

Sl. No.	ADDITIONAL INFORMATION
01	Google Scholar: https://scholar.google.com/citations?hl=en&user=4K9K9qcAAAJ&view_op=list_works&authuser=1
02	ORCID id: 0000-0002-3293-230X
03	Vidwan id: 383932