

Faculty Profile

Faculty Photo

Brief Profile –

Dr. Andhe Dharani , currently working in RV college of engineering as Professor, Dept of MCA, obtained her PhD degree in computer science from mother Teresa women’s university in January 2010, thesis titled “*Investigation of the Efficient implementation of Image Processing using Digital Halftoning*”.

Undertaken and completed a funded research project “Power optimization in Adhoc sensor network” for the Naval Research Board, DRDO, New Delhi. She has been sanctioned 30L from VGST for Extended Reality center for Research and Education. Department of MCA has got 5 years accreditation under her leadership in year 2021. Published 60+ papers in the International conferences and journals. She has worked as BoE member VTU, BoS members for other universities and autonomous colleges, conducted workshops, delivered technical talks in national level, taken up consultancy works and chaired Technical Sessions in national and international conferences. Has published books titled “System Programming”, 2017 and "Optimal Energy Utilization in Sensor Networks by Clustering", LAMBERT Academic Publishing, Germany. Coordinator of ITS team under CISCO-IOE center of excellence in RVCE, workshops, consultancies conducted.. Guided two PhD students under VTU and currently guiding four under VTU and PRIST University and evaluated PhD thesis in other universities.

Personal Information

- **Name:** Dr. Andhe Dharani
- **Designation:** Professor
- **Department:** Master of Computer Applications
- **Email:** andhedharani@rvce.edu.in
- **Phone:** 080-6818--

Google Scholar: https://scholar.google.co.in/citations?hl=en&user=Yf_BGLYAAAAJ

ResearchGate: <https://www.researchgate.net/profile/Andhe-Dharani>

LinkedIn: www.linkedin.com/in/andhe-dharani

ORCID: <https://orcid.org/0000-0001-9740-3882>

Domain of Expertise

Research Focus

- **Primary Area:** Machine Learning, Image Processing,
- **Allied Areas:** Computer Vision, Deep Learning, Optimization, Medical Imaging, Extended Reality

Academic Qualifications

- **Ph.D.:** Computer Science, Mother Teresa Women's University, 2010, Thesis Title: "*Investigation of the efficient implementation of Image Processing using Digital Half toning*"
- **MPhil:** Computer Science, Manonmanian Sundaranar University, 2003
- **MCA:** Computer Applications, Bangalore University, 2000
- **BSc:** PCM, Bangalore University, 1977

Professional Experience

Experience – 24 Years			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	Department of MCA, R.V. College of Engineering, Bangalore Affiliated to VTU, Belagavi	Professor	23 rd February 2015 – till date
2.		Professor and Director	23 th July 2018 – 14 th January 2025
		Associate Professor	1 st January 2011 – 23 rd February 2015
		Assistant Professor	08 th November 2006 – 31 st December 2010
		Lecturer	March 2001 – November 2006

Publications & Patents

Journal Publications

1. M.N. Vijayalakshmi, Andhe Dharani, S. Narasimha Swamy, B. Manjuprasad, "Application of Machine Learning Algorithms for Detection of Vulnerability in Web Applications", SN Computer Science, ISSN:2662-995X, E-ISSN:2661-8907, DOI-<https://doi.org/10.1007/s42979-022-01518-x>. Scopus Indexed. Q2
<https://www.scimagojr.com/journalsearch.php?q=21101083109&tip=sid&clean=0>
<https://link.springer.com/article/10.1007/s42979-022-01518-x>
2. S. Anupama Kumar, Andhe Dharani, and Chandrani Chakravorty, Efficacy of Autoencoders on Image Dataset , Springer Nature Singapore Pte Ltd. 2023, Sentiment Analysis and Deep Learning, Advances in Intelligent Systems and Computing 1432, https://doi.org/10.1007/978-981-19-5443-6_73, . (In-Press)
3. Suhana R Ghasi, Andhe Dharani, Chandrani Chakravorthy Comparative Study of Algorithms used for Predicting Invasive Ductal Carcinoma (IDC), Grenze International Journal of Engineering and Technology, June Issue, GIJET.8.2.521_1, 2022, pp 782 – 787, Scopus Indexed Journal

4. Vijayalakshmi. M. N, Andhe Dharani, Narasimha Swamy S. Real-time Drowning Detection System Using Yolo Framework, GIS Science Journal, Scopus Active, Vol 8, Issue 7, 2021 pp 820-825. doi:20.18001.GSJ.2021.V8I7.21.37613
5. Sandhya, Shaila H. Koppad, S. Anupama Kumar, Andhe Dharani, B. V. Uma and K. N. Subramanya, Adoption of Google Forms for Enhancing Collaborative Stakeholder Engagement in Higher Education, Journal of Engineering Education Transformations, 2020, ISSN – 23941707, Volume 33, pp.2 83-289, DOI: 10.16920/jeet/2020/v33i0/150161, (Q3) <https://www.scimagojr.com/journalsearch.php?q=21100890669&tip=sid&exact=no>
6. Andhe Dharani, Manjuprasad B, Lightweight Security Protocol for Efficient Information Transfer in Sensor Networks, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-3, September 2019, pp 26541-6546, DOI:10.35940/ijrte.C5259.098319, Scopus Indexed Journal
7. Vijayalakshmi MN, Andhe Dharani, Narasimha Swamy S, Realization of IoT Solution for Smart Agri and ITS using Cloud, International Journal of Advanced Engineering and Technology, ISSN: 2456-7655; Impact Factor: RJIF, 5.54, Vol 1 July 2017, Issue 3, pp 20-23, UGC Approved Scopus Indexed Journal
8. Andhe Dharani, Sujatha Anand, A Novel Addressing Technique for Internet of Things with A Review on Its Operating Systems , International Journal of Engineering Applied Sciences and Technology ISSN No. 2455-2143, Vol. 1,ssue 8 June - July 2016 , pp 138-141
9. Andhe Dharani, Manjuprasad B., Shantharam Nayak, Vijayalakshmi M. N., Sensor Networks - An Insight on Market Perspective and Real Time Border Monitoring System, *International Journal of Sensors and Sensor Networks*. Vol. 3, No. 3, 2015, pp. 18-23. DOI: 10.11648/j.ijssn.20150303.11
10. Andhe Dharani, Manjuprasad B, Shantharam Nayak, Vijayalakshmi M.N., Performance Analysis of Cluster Based Protocols in Sensor Networks and their Vulnerabilities, International Journal of Innovative Research in Computer and Communication Engineering(IJIRCCE), Vol. 3, Issue 4, ISSN (Online): 2320-9801, April 2015,pp.3045-3051. DOI: [10.15680/ijircce.2015.0304107] Impact Factor (2013) -4.447.
11. Gaurav Sethi, Andhe Dharani Challenges of Radio Frequency Identification Technique , published in International Journal of Science and Research (IJSR), open access, peer reviewed, ISSN (Online): 2319-7064 , Impact Factor: 3.358, Volume 3 Issue 11, November 2014, pp 51 - 55
12. Gaurav Sethi , Andhe Dharani, Ashwini V. Patil A Survey on Component-Based Software Development System, Journal of Emerging Technologies and Innovative Research, ISSN-2349-5162, Volume 1 Issue 5, Impact Factor: 1.15, October 2014, pp 317 – 319
13. Andhe Dharani , Shantharam Nayak , Manjuprasad B, Hardware and Simulation Perspective Study on Wireless Sensor Networks, International Journal of Advance Foundation and Research in Computer (IJAFRC), Volume 1, Issue 7, July 2014. ISSN 2348 - 4853, Directory of Science Score for IJAFRC - 13.35,ISRA: Journal Impact Factor (JIF) - 0.853, Scientific Journal Impact Factor 2012 : 3.599{ Free Journal), pp – 74 - 81
14. Manjuprasad B, Andhe Dharani, Shantharam Nayak,Energy Efficient Secure Firewall and Packet Filtering System in Wireless Sensor Networks, American Journal of Sensor Technology.June,2014, Vol 2 No 3, DOI: 10.12691/ajst-2-3-2, pp - 34-39

15. Manjuprasad B, Andhe Dharani, Necessitate for Security in Wireless Sensor Network and its Challenges, International Journal of Research in Computer Applications & Information Technology, Volume 1, Issue 1, July-September, 2013, pp. 21-25
16. Krishnan R, Andhe Dharani, Region-based image retrieval with high-level semantics – A Comprehensive Investigation , International Journal of Engineering and Technical Research (IJETR), ISSN: 2321-0869, Volume-1, Issue-7, September 2013, pp:17-20
17. Manjuprasad B, Andhe Dharani, Vijayalakshmi, Power Estimation in Wireless Sensor Networks by Clustering Mechanism, International Journal of Scientific & Engineering Research, Volume 4, Issue 8, ISSN 2229-5518, August 2013
18. Manjuprasad B, Andhe Dharani, A QoI Based energy efficient clustering for dense wireless sensor network, International journal of Advanced smart sensor network systems (IJASSN), Vol 3, No 2, April 2013
19. Manjuprasad B, Andhe Dharani, Vijayalakshmi MN, Vijay Singh, Residual Energy Based Clustering Algorithm for Mobile Nodes in Sensor Networks, International Journal of Computer Networking, Wireless and Mobile Communications(IJCNWMC) ; Vol. 3, Issue 1, ISSN (Print): 2250-1568; ISSN(Online): 2278-9448 ; Mar 2013, pp. 281-288 Impact Factor(JCC): 5.2749
20. Krishnan R, Andhe Dharani, Detection of Domed Crater by Using Intensity Parameter, International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 2, February- 2013, pp.1-3, ISSN: 2278-0181
21. Manju Geogy, Andhe Dharani, Customizing Android Automated Testing Framework to Enable Native hardware and software support, International Journal of Engineering Research & Technology (IJERT), ISSN:2278-0181, Volume.2 , Issue 2, Feb 2013
22. Mohan Aradhya, Sumithradevi K A, Andhe Dharani, Distance based Cluster head section in sensor networks for efficient energy utilization, International Journal of Advanced Research in Engineering and Technology(IJARET), Volume 4, Issue 1, ISSN: 0976-6480(print), ISSN: 0976-6499(On line) , Jan – Feb 2013 pp 52-58, Journal Impact factor: 5.837
23. Andhe Dharani, Vijayalakshmi MN, Manjuprasad B,Vijay Singh, An Epigrammatic Study of some of the Fundamental Concepts in Wireless Sensor Networks International Journal of Emerging Technology and Advanced Engineering ISSN 2250-2459, Volume 2, Issue 9, September 2012, pp 422 - 426
24. Andhe Dharani, Aniruddha Biswas, Vijayalakshmi MN, Vijay Singh, Cluster Head Assortment Gateway Based Multipath Routing In WSN , International journal of Communications in Information Science and Management Engineering (CISME), Vol.2 No.6, Print ISSN:2222-1859 Online ISSN:2224-7785, world academic publishing, June 2012, pp 15 -19
25. Krishnan R, Andhe Dharani, Medical Image Restoration Using Pixel Flow and Genetic Algorithm, IFRSA's International Journal Of Computing, Vol2, issue 1, ISSN (Online) : 2230-9039, ISSN (Print): 2231-2153, January 2012, pp 50-54
26. Andhe Dharani, Chandrasekhar, Aniruddha Biswas, Implementation of performance evaluation methodologies for the Ad-hoc On- demand distance vector routing protocols CiiT International Journal of Networking and

Communication engineering, Vol 2, No 10, October 2010, ISSN 0974-9713 Online: ISSN 0974 – 9616, pp. 387 – 393 (IF 0.569)

27. Vijayalakshmi MN, Andhe Dharani, R. Vasantha, P.S. Satyanarayana, OCR for Script Identification of Devanagiri Character Set Using Halftoned Image with OPTICS, International Journal of Data mining Knowledge Engineering, Vol. 1. No.5, August 2009, pp 244-249.
28. Andhe Dharani, Anupama P, A Distributed Cache Architecture with Snooping for QoS Routing in Large Networks, CiiT International Journal of networking and communication Engineering, Print ISSN 0974 – 9713 Online ISSN 0974 – 9616, June 2009 (IF 0.569)
29. Andhe Dharani, P. S. Satyanarayana, Andhe Pallavi, Analysis of Message Authentication in Turbo Coded Halftoned Images using Exit Charts, International Journal of Computer and Information Science and Engineering, Vol. 1, No. 2, ISSN 1307-4164, May 2007, pp. 90 – 95.
30. Banashree N P, R. Vasantha, P.S. Satyanarayana, OCR script identification using separable error diffusion Halftoning algorithm with neural classifier, Enformatika, International journal of Applied Mathematics and Computer Sciences quarterly, Vol. 4, No. 2, ISSN 1305 – 5313, ISBN 978 – 975 – 00803 – 9 – 5, April 2007, pp 548- 552.

Conference Papers

1. Anupama Kumar, S., Andhe Dharani, Chakravorty, C. (2023). Efficacy of Autoencoders on Image Dataset. In: Shakya, S., Du, KL., Ntalianis, K. (eds) Sentiment Analysis and Deep Learning. Advances in Intelligent Systems and Computing, vol 1432. Springer, Singapore. https://doi.org/10.1007/978-981-19-5443-6_73
2. Andhe Dharani, Vijayalakshmi M N and Narasimha Swamy S, Mobile as a sensor in Intelligent Transportation System for Street Route, in 2018 International Conference on Computing, Power and Communication Technologies (GUCON-2018), Technically cosponsored by IEEE UP Section, IEEE Indian Council Computer Chapter, IEEE PE/IA Chapter UP Section & CSI Noida Chapter, Organized by Galgotias unicercity during September 28th - 29th, 2018.
3. Andhe Dharani, Derick Mathew, Machine Learning Approaches for Online Algorithm Training Experience, 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018), MAY 18th & 19th 2018, pp 606 - 610 978-1-5386-2440-1/18/\$31.00 ©2018 IEEE
4. Krishnan R, Andhe Dharani, A new 2D shape descriptor generation method for different craters based on the intensity values, IEEE IET, Springer Joint international conference on Artificial Intelligence and Evolutionary computations in engineering systems - (ICAIECES - 2016) and Power, circuit and Information Technologies (ICPCIT - 2016) organized by Department of EEE , SRM University, Kattankulathur - 603203, Chennai, India, during 19-21 May 2016
5. Krishnan R, Andhe Dharani, Classification Analysis of Topographical Features using Artificial Neural Network, international conference - 1st Global Colloquium in Recent Advancement and Effectual Researches in Engineering Science and Technology (RAEREST 2016) organized by St. Josheph College of Engineering and Technology, Palai, Kerala, during 22nd and 23rd April 2016. The paper published in proceedings of SINGULARIS 2016
6. Manju Geogy, Dr. Andhe Dharani, A Scrutiny of the Software Requirement Engineering process, International conference - 1st Global Colloquium in Recent Advancement and Effectual Researches in Engineering Science and

Technology (RAEREST 2016) organized by St. Josheph College of Engineering and Technology, Palai, Kerala, during 22nd and 23rd April 2016. The paper published in proceedings of SINGULARIS 2016, Pg 37

7. Dr. Sumithra Devi.KA,Dr. Andhe Dharani, and M. N. Vijayalakshmi, Transformation in Engineering Education:An Analysis of Challenges and Learning Outcomes,Recent Advances in Education and Educational Technology ,Proceedings of the 14th International Conference on Education and Educational Technology (EDU '15), ISSN: 2227-4618 ISBN: 978-1-61804-300-9, April 23rd -25th 2015 pp 33-36
8. Krishnan. R., Andhe Dharani, The New Approach: I-Genetic Algorithm for Classification of Craters,IEEE International Conference on Communication and Signal Processing, ISBN:978-1-4799-8080-2, April 2-4, 2015,vailable IEEE xplore 258-264
9. Mrs. Manju Geogy and Dr. Andhe Dharani , Prominence of each phase in Software development life cycle contributes to the overall quality of a Product, IEEE International Conference on Soft-Computing and Network Security ICSNS 2015 ,Coimbatore, Tamil Nadu, 27th February 2015, Proceedings of the IEEE International conference of Soft-computing and Network Security, pp 58.
10. Divya TL, Manjuprasad B, Vijayalakshmi MN, Andhe Dharani, An efficient and optimal clustering algorithm for real time forest fire prediction with Sensor network and data miningInternational conference on communication and signal processing,Adhiparashakthi Engineering college,Melmaruvathur, April3-5,2014, pp802-805.
11. Krishnan.R, Dr.Andhe Dharani ' Flanking Stencil Method for the Detection of Impact Craters', 4th international IEEE conference ICICES 2014, 27th and 28th Feb 2014, chennai, ISBN 978-1-4799-3834-6/14
12. Manjuprasad B, Andhe Dharani, Simple Secure Protocol for Wireless Sensor Networks, 2014 World Congress on Computing and Communication Technologies, WCCCT-2014, Trichy, on 27th Feb -1th Mar, 2014, pp 260-263, ISBN: 978-1-4799-2876-7/14 \$31.00 © 2014 IEEE, DOI 10.1109/WCCCT.2014.6
13. Andhe Dharani, Manju Prasad, Uniform Multihop Clustering for Low Communication Overhead in Sensor Network, IEEE, International Conference on Emerging Trends in Communication, Control, Signal Processing and Communication Applications, C2SPCA-2013, ISBN- 978-1-4799-1082-3, 10-11 October 2013, pp 40. 978-1-4799-1082-©2013IEEE, DOI:10.1109/C2SPCA.2013.6749371
14. Andhe Dharani, Vijay Singh, Manju Prasad B, Clustering in tier architectures for a sparse sensor networks, International conference on mathematical modeling and applied soft computing, 11th – 13th July 2012, Coimbatore, Vol 2, ISBN- 978-81-923752-2-9, pp 675 - 680.
15. Mohan Aradhya, Sumithra Devi KA, Andhe Dharani, Energy balancing clustering for heterogeneous sensor network , International conference on mathematical modeling and applied soft computing 2012, Coimbatore, Vol 2, 11-13 July 2012, ISBN- 978-81-923752-2-9, pp 691-697.
16. Andhe Dharani, Vijaysingh, M Krishna, Manjuprasad, Favorable Selection of a Cluster Head in a Sensor Network, International Conference on Computational Intelligence and Communication 2012 [ICCIC-2012], 04-06 July 2012, Chennai, ISBN-978-81-909948-3-5,pp 116-119.
17. Krishnan R, Andhe Dharani, Detection of Bulls-eye crater by satellite image processing, Proceedings of National Conference on Emerging Treads in IT (eit12), Dept. of Computer Science, Christ University, Bangalore, 2nd March 2012, pp 41-43

18. Mohan Aradhya, Sumithra Devi KA, Andhe Dharani, Clustering Methodologies and their implications in sensor networks, International conference on Advances in Communication network and computing CNC 2012, 24th – 25th February 2012, Chennai, LNICST, pp. 179 – 184.
19. Krishnan R, Andhe Dharani, Sumithradevi KA Genetic Approach for Predicting the Missing Value of the Pixel 3rd International Conference on Mechanical and Electrical Technology (ICMET 2011), Dalian, China, August 26-27, 2011, ISBN: 978-0-7918-5981-0, pp 501 – 505. Available at ASME Digital library - asmedigitalcollection.asme.org
20. Chandrani C, Sumithradevi KA, Andhe Dharani, Mining Services for Cache Replacement Method , 3rd International Conference on Mechanical and Electrical Technology (ICMET 2011), ISBN: 978-0-7918-5981-0, Dalian, China, August 26-27, 2011, pp 495 – 499
21. Andhe Dharani, Vijayalakshmi MN, Vijay Singh, Power Optimization in Ad hoc Sensor Networks using Clustering Approach, Proceedings of The World Congress on Engineering 2011, The 2011 International Conference on wireless networks, London, 6-8th July 2011, ISBN: 978-988-19251-4-5 ISSN: 2078-0958 (Print); ISSN: 2078-0966 (Online) pp1737-1740
22. Madhavi, Sumithradevi K A, M Krishan, Andhe Dharani, Diaphragm Design for MEMS Pressure Sensors using a Data Mining Tool, Proceedings of The World Congress on Engineering 2011 ,The 2011 International Conference of Electrical and Electronics Engineering, held in London, 6-8th July 2011, ISBN: 978-988-19251-4-5, ISSN: 2078-0958 (Print); ISSN: 2078-0966 (Online) pp1353-1356
23. Andhe Dharani, Aniruddha Biswas, Vijay singh, Wireless Sensor Network Sustenation by Using Clusterhead Assortment and Multipath Routing, Proc of the International conference on Machine Learning and Computing, Singapore, February 26 -28, 2011, pp. 529- 534, 978-1-4244-9252-7/11 IEEE
24. Liju, Avinash T, Andhe Dharani, Global warming due to E-waste – Enterprise approach of maneuver of E-Waste, International conference on concurrent techno and enviro search, Search and research youth congress 2010, 4th 5th December 2010, Bhopal, India, pp 83
25. Sumithradevi K A, Andhe Dharani, Vijayalakshmi M N An Analysis on Ethical Issues Due to Globalization, IEEE Women in engineering Congress 2009 , 23rd – 24th October 2009, Poster presentation
26. Ashok Kumar, Ankur Dhawan, Andhe Dharani, Automated regression Suite for Testing Web Services, International Conference on Advances in Recent Technologies in Communication and Computing(ARTCOM-09), IEEE Computer Society, 27th – 28th October 2009, ISBN 978-0-7695-3845/7, Kottayam, Kerala, India, pp 590-592.
27. Sumithra Devi KA, Andhe Dharani, Renuka Prasad B, Akshay L Marathe, Statistical based anomaly detection technique in Snort N-IDS, International conference on computer networks and security, ICCNS 08, Pune, 27-28 September 2008.
28. Andhe Dharani, P. S. Satyanarayana, Andhe Pallavi, Analysis of Message Authentication in Turbo Coded Halftoned Images using Exit Charts, XXI. International Conference on Computer, Electrical, and Systems Science, and Engineering (CESSE 2007: Volume 21: ISBN: 978-975-01752-0-6), May 25-27, 2007 in Vienna, Austria, pp 49 – 53.
29. Andhe Dharani, OCR for Script Identification of Hindi (Devnagari) Numerals using Error Diffusion Halftoning Algorithm with Neural classifiers, XX. International conference on computer, information and systems science and engineering April 25-27, 2007 Barcelona, Spain.

30. P. S. Satyanarayana, Andhe Dharani, Andhe Pallavi, Power optimization in Turbo coded Halftoned images, 2nd IEEE International Conference on information & communication technologies, at Omayyad Palace, Damascus, Syria, April 2006.

Books/Book Chapters

1. Book Chapter on – “Innovations of Metaverse Technology in Healthcare: A Study on Melanoma Skin Cancer” by Preethi N. Patil , C. Saravanan, Vibha T. R, and Andhe Dharani ,Source Title: Future Innovations in the Convergence of AI and Internet of Things in Medicine, Copyright: © 2025 |Pages: 36, DOI: 10.4018/979-8-3693-7703-1.ch009
2. Anupama Kumar, S., Vijayalakshmi, M.N., Koppad, S.H., Dharani, A. (2020). Narrative and Text Visualization: A Technique to Enhance Teaching Learning Process in Higher Education. In: Anuncia, S., Gohel, H., Vairamuthu, S. (eds) Data Visualization. Springer, Singapore. https://doi.org/10.1007/978-981-15-2282-6_1
3. Dr. Andhe Dharani, Shailaja Kumar, published a book titled “System Programming”, Thakur Publications, 2017, ISBN: 978-93-83922-25-3
4. A book chapter, "Artificial Intelligence and Evolutionary Computations in Engineering Systems", Proceedings of ICAIECES 2016, Springer, ISBN: 978-981-10-3173-1
5. "Optimal Energy Utilization in Sensor Networks by Clustering", ISBN 978-3-659-24571-8, 2011, LAMBERT Academic Publishing, Germany.

Patents [Filed / Published / Granted]

1. “An Effective RoI Based Hybrid Progressive Medical Image Transmission and Reconstruction” filed on 3rd August 2021 with the Application Number: 202141034934

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

- Principal Investigator for the project titled "Extended Reality Center for Education and Research" grants of Rs. 29.612 Lakhs, Vision Group on Science and Technology, Project Number GRD – 2115, Sanctioned Feb 2024 Ongoing
- Principal Investigator for the project titled “Power Optimization in Ad hoc Sensor Network”, Naval Research Board, DRDO, New Delhi, June 2011 – May 2013, Rs.10.95 lakhs, Project Number: NRB201/SC/10-11. Completed ,
- “Awareness Creation and Detection of Vector Borne Disease –Dengue for Public Health process” IEEE HAC/SIGHT Project, \$5000, (Rs.4,11,377), 2022, Completed - Co- Investigator

Ongoing & Completed Consultancy Projects

- “AR based Biogas plant development”, Greeneria Renewable Technologies Pvt. Ltd, 2023, Rs.1,73,460/-, Completed, Consultancy work – Team member

Professional Memberships

- Member IEEE – Membership Number - 94750007
- Life Member of CSI – Computer Society of India - CSI ALM I0113296.
- Life Member of ISTE - Indian Society for Technical Education - LM 34531.
- Member of IAENG - International Association of Engineers – 107116
- Senior member of IACSIT - International Association of Computer Science and Information Technology - 80337741

Awards & Recognitions

- Two students projects guiding has been selected and got best project awards under Student Project Programme , Karnataka State Council for Science and Technology , 2023, leading to Best performing college award.
- Conferred with the award of "Outstanding Women Achiever" by Center for Women Empowerment, Venus International Foundation, Chennai, Tamil Nadu, on 5th March 2016.
- Travel grant award received from **UGC** for presenting in International Conference in Syria and
- Honored by Rastriya Sikshana Samithi Trust “Excellence in Education” for PhD completion 2010, presenting publications in International conferences, Syria 2006 and London 2011.

Student Supervision

- **Ph.D. Candidates:** 06 (02 Graduated)
- **MCA Students:** 150+

Professional Roles

- **Editorial Board:** [Journal Name]
- **Chair/Committee Member:** [Conference Name, e.g., *IEEE International Conference on Robotics*]
- **Industry Advisor:** [Company/Startup Name]

Teaching

Core Courses: [Current semester]

- MCA225C3 - Extended Reality

Professional Roles

Responsibilities

- **Academic:** Member – BoS, BoE
- **CoE** – Coordinator for Extended Reality Center for Education and Research
- **Administrative:** Member – Budget committee, R&D

External Connect

- BoS - External Member- Ramaiah Institute of Technology
- BoS – VTU Nominee - Vidyavardhaka College of Engineering
- BoE – External Member - RNSIT Bengaluru
- PAQIC Audit – External Member – 2024 - 2025 Atria Institute of Technology
- Academic and Administrative Audit – 2022 – 2024 – External Member - PES College of Engineering, Mandya
- BoE Member , VTU, 2022 -2024- University Level
- Editorial Board Member of Machine Learning Research(MLR) ISSN Print: 2637-5672; ISSN Online: 2637-5680 <https://www.sciencepg.com/j/mlr>, 2022 - 2024
- Expert in DPC/Review, 2022, Departmental Promotion Committee meeting @ U.R. Rao Satellite Centre Guest House, Airport Road,Bengaluru
- Reviewer for Conferences and Journals – National and International Level
- Session Chair for National and International conferences
- Local Inquiry Committee member – VTU, 2017- University Level

Projects

Number of UG Projects Guided	Number of PG Projects Guided	No. of Doctorate Students	
		Completed	In Progress
		01	04
NA	138		

Publications

National Journals	National Conferences	International Journals	International Conferences	Book Chapters Published	Patent Granted
NA	17	31	30	04	NA