



FACULTY PROFILE ON WEBSITE

Faculty Name	ARPITHA VASUDEV	
Academic Designation	Assistant Professor	
Educational Qualification	M.tech, (Ph.D)	
Experience in Teaching & Industry	9	
Date of Joining	20/4/2022	
Official Email ID	arpithavasudev-cse@dsatm.edu.in	
Employee ID	180562	

Educational Details

- Pursuing PHD in Computer Science from VTU
- Master of Technology in Computer Networking from AMCEC, VTU
- Bachelor of Engineering in Computer Science from Brindavan College of Engineering, VTU

Professional Experience

- Dayananda Sagar Academy of Technology and Management (*20th April 2022 – Present*)
- AMC Engineering College (*17th Feb 2020 – 28th Feb 2021*)
- Sri Sairam College of Engineering (*7th Aug 2016 – 30th Jan 2020*)

Publications

- A Multi-Objective Optimization Model for Efficient Information Management and Knowledge Engineering V Mittal, A Mishra, A Vasudev, K Adilakshmi, P Agrawal, N Bhardwaj 2026 2nd International Conference on Big Data & Machine Learning (ICBDML), 1-6
- Fundamentals of Quantum Mechanics KT Arpitha Vasudev, Anusha G S, Jayalakshmi B, Laxmi S Sunagar International Journal of Science, Engineering and Technology 13 (6), 1-9
- Water Contamination Detection with Machine Learning and WSN S Shalini, A Vasudev, KD Shree, G Yamini, K Shankar, HS Mangala 2025 IEEE International Conference for Women in Innovation, Technology ...
- A Multi-Model AI System for Visual Disorder Diagnosis: Amblyopia as a Case Study G Yamini, KD Shree, A Vasudev, K Shankar, HS Mangala 2025 IEEE International Conference for Women in Innovation, Technology ...
- Convolutional Neural Network-Based Blood Group Detection from Fingerprint Images: A High-Accuracy Methodology KJN Nandini C , Arpitha Vasudev ,Bhagyashree Biradar,D. Vaishnavi,Janani A. M. Journal of Soft Computing and Computational Intelligence 2 (2), 1-14
- AI-Powered Privacy Protection Techniques for Smartphones APM Arpitha Vasudev , Hemanth Kumar M , Chethan P , Bhanushree C M International Journal of Scientific Research in Engineering and Management 9 ...
- A Study on Cryptographic Algorithms for Data Confidentiality and Integrity PK Nandini C , Arpitha Vasudev , Vijay Suprith , Syed Suhail , Sai Sireesh G T Journal of Cryptography and Network Security, Design and Codes 2 (1), 1-9
- Review on Artificial Intelligence based Framework On sustainable agriculture with Blockchain with Inclusion of IDP GKN Arpitha Vasudev, B Nitin Reddy, A Rithesh Reddy, B Jagadeeshwar Reddy International Journal of Science, Engineering and Technology 13 (3), 37-41
- Fingerprint Based Blood Group Detection Using Image Processing KJN Arpitha Vasudev , Bhagyashree Biradar , D Vaishnavi , Janani A M International Journal of Research Publication and Reviews 6 (1), 5324-5327
- KRYPT: Beyond Traditional Transaction PRY Ariptha Vasudev, Khushi S Shukla, Mohammed Viqar, Mohd Shahnawaz Khan IJCRT 12 (12), 852-857
- Review Paper of Drug Recommendation System KN Arpitha Vasudev, Srinath R, Kiran R

S IJIRT 10 (10), 458-462

- Exploring the Functionality of Traffic Control Systems: A Brief Review THM Arpitha Vasudev , Shilpa P. , Shashank K.P. , Smitha B.C. International Journal of Computer Sciences and Engineering 12 (1), 16-23
- DESIGN OF TRAFFIC AMERCEMENT AUTOMATION USING COMPUTER VISION IM Mrs Arpitha Vasudev,Chirag Suthar, Chirantan Banerjee, Gaurav Mourya IJARIE 9 (3), 620-625
- Deep Air Learning : Feature Analysis Of Fine Grained Air Quality MAV Ranjitha B N ,Sailakshmi S ,N Phaneendra ,Sahana M THINK INDIA JOURNAL 22 (14), 10510-10514
- PEST CONTROL USING MACHINE LEARNING AND IMAGE PROCESSING AV VIJAYA LAKSHMI B, SAI HARIKA B, PRIYANKA S, SUMOL S JETIR 6 (2), 78-81
- Survey on Applications of Image Processing In Agricultural Field SSR Sudha.M, Bhavani Chowdary, Sahana.M, Mamathashree.S, Arpitha Vasudev, T ... International Journal

Conference Attended

1. Presented a paper on “Increasing Efficiency Of Mobile Sink WSN Using Global Best Positioning Mechanism” in 2nd International Conference on Advances in computer and communication Engineering (ACCE – 2015) held at Vemana Institute of Technology and Published in IJETAE Journal, Volume 5, special issue 2. **(ISSN 2250-2459)**
2. Presented a paper “Positioning of Mobile Sink in the Efficient and Best Position in the Wireless Sensor Network” in International Conference on Engineering, Science, Management and Advance in Research Technology (ICESMART-2015) head at T.John Institute of Technology and Published in IJERT Journal, Volume 3, Issue 19. **(ISSN: 2278-0181)**
3. Presented a paper “Using Quantum Genetic Algorithm Data Collection in Wireless Sensor Network with Mobile Sink” 3rd International Conference on Computer Network and Information Processing (ICCNIP-2015) head at AMC Engineering Collage.
4. Presented a paper “Relief Algorithm to Avoid Black Hole Assault in AODV routing for MANET Using Real Time Monitoring” in 19th Indian Society for Technical Education held at Sri SaiRam College of engineering, Bangalore.
5. Presented a paper “Applying Intermittent Energy Distribution for Evading Energy Holes in Wireless Sensor Network” in National Conference on Advances in Computer Science and Engineering held at SDMCET College, Dharwad. And Published in Bonfringe International Journal of Software Engineering and Soft Computing Vol. 6, Special Issue, October 2016. **(ISSN 2277-5099)**

Academic Activity

- ❖ Working as NBA criteria 2 department level coordinator.
- ❖ Working as NAAC criteria 2 department level coordinator.
- ❖ Working as Internal assessment coordinator.

❖ Working as Pedagogical activity coordinator

Faculty Development Activity/Workshops

1. Attended 5 days Faculty Development Program on “OBE and Its Impact on Accreditation Process ” organized by RVCE.
2. Attended 2 days workshop on “Internet of Things” organized at Dayananada Sagar Academy of Technology and Management
3. Completed a certification Course on Outcome Based Education & Quality Assurance from Udemy
4. Completed a certification Course on Cyber Crime Intervention Officer from ISAC
5. Attended 6 day ATAL Faculty Development Program on Intellectual Property Rights (IPR) & Entrepreneurship: Building Sustainable Business Models through Innovation at Dayananda Sagar Business Academy
6. Attended Faculty Development Program on Data Science with Gen AI by Inomatics Research Lab
7. Attended 6 day ATAL Faculty Development Program on Advanced Perspectives in IOT at Government College of Engineering Station Road Aurangabad

❖ NPTEL

1. Internet of Things – Secured Gold Medal.
2. Programming Data Structures and Algorithms using C.
3. Introduction to Industry 4.0 and Industrial Internet of Things
4. Foundation of IoT Cloud ML

Contact Details

Arpitha Vasudev
arpitha.dev9@gmail.com