



FACULTY PROFILE ON WEBSITE

Faculty Name	Dr. Muzameel Ahmed	
Academic Designation	Associate Professor	
Educational Qualification	Ph.D, MTech, BE, Dipin CSE	
Experience in Teaching & Industry	27 &-	
Date of Joining	25-07-2011	
Official Email ID	Muzameel-cse@dsatm.edu.in	
Employee ID	180953	

Educational Details

.Ph.D in Computer Science and Engineering, Jain University
MTech in Computer Engineering
BE in Computer Science and Engineering, Kuvempu University
Diploma in Computer Science

Professional Experience

Associate Professor, Dept of ISE, DSCE, (Jan 2021 to Till date)
Assistant Professor , Dept of ISE, DSCE , (July 2011 to Dec, 2020)
Assistant Professor, Dept of CSE, AIT Chickmagaluru (2008 to 2011)
Lecturer, Dept of CSE, AIT Chickmagaluru (1998 to 2008)

Publications

International Journals :

1. Shape Classification Using Shape Context and Dynamic Programming. : International Journal of Scientific and Engineering Research (IJSER) --- 2013.
2. Adopting Biological Sequence Alignment Tool in 2D Shape Recognition. International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) --- 2015.
3. 2D Shape Image Retrieval System Based on the Characterization of the Images. International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) -2015
4. A Study of Sub-Pattern Approach in 2D Shape Recognition Using the PCA and Ridgelet PCA.

- International Journal of Rough Sets and Data Analysis (IJRSDA) -2016-IGI Global.
5. Inventory Management System Automation for Coherency in E-Commerce Web Portal. International Journal on Recent and Innovation Trends in Computing and communication (IJRITCC) -2016.
 6. Smart Attendance Monitoring (SAM) Using Collective Face Detection. International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE) -2016.
 7. Credit Card Transaction Using Face Recognition Authentication. International Journal of Innovative Research in Computer and Communication Engineering.
 8. A Survey On Different Methods Of Edge Detection. International Journal of Current Research In Science, Engineering and Technology (IJCRSET)
 9. A Survey on Telemedicine Infrastructure in Rural India. International Journal of Management, Technology and Engineering.
 10. Architecture and Design of an Integrated Wearable, IoT and Cloud Based Telemedicine System for Rural Healthcare. International Journal of Research in Engineering and Technology.
 11. Expense based performance assessment of financial institution. International Journal of Advance Research, Ideas and Innovation in Technology.
 12. 2D Shape Recognition and Retrieval Using Shape Contour Based on the 8-Neighborhood Patterns Matching Technique. International Journal of Synthetic Emotions-2020 IGI-Global.
 13. Autism Spectrum Disorder Detection. WHJJ Journal.
 14. Construction of Original Image Using Nightscape Image with Fully Convolution Neural Network. International Journal of Research and Analytic Reviews.
 15. Air Pollution Monitoring System Using IoT. International Journal of Creative Research Thoughts.
 16. Facial Recognition Secure Door Operating System Using RasPberry PI. International Journal of Creative Research Thoughts.
 17. Phishing Website Detection. International Journal of Creative Research Thoughts.
 18. DIGINOTICE Using BLOCKCHAIN. International Research Journal of Modernization in Engineering Technology and Science.
 19. Analysing Microscopic Image of Peripheral Blood Smear Using Deep Learning. Journal of Emerging Technologies and Innovative Research.
 20. Image Processing Based Automatic Toll Collection System. : International Journal of Innovative Research in Science, Engineering and Technology.
 21. Virtual Fitness Trainer. International Journal of Scientific Research in Engineering and Management.

22. An Optimized BI-LSTM with Deep Learning –Based Intrusion Detection System in Health Care using Blockchain. Taylor and Francis -Information Security Journal: A Global Perspective.

23. On device Incremental Learning Algorithms for Real Time Personalization Without Data Storage. International Journal of Artificial Intelligence and Machine Learning

International Conferences:

1.A Comparative Study between Ridgelet PCA and PCA using different distance measuring techniques for 2D Shape Recognition and Retrieval **IEEE MIRLAB**, 2nd World Congress on Information and Communication Technologies (WICT) ---Nov, 2012.

2. Shape Classification and Best Match of the Object. International Conference on Recent Trends in Computer Science and Engineering (ICRTCS) --- 2013.

3. Two Dimensional Shapes Matching and Retrieval using SVM Classifier. International Conference on Electrical, Electronic and Computer Engineering (ICEECE) --- 2014.

4. 3D Visualization and Quantification of Brain on Magnetic Resonance Images. International Research Conference on Computer Science and Mechanical Engineering (IRCCSME) --- 2014.

5. The Application of Sub Pattern in 2D Shapes Recognition and Retrieval. **Springer** -- International Conference on Computer and Communication Engineering (IC3T) --- 2015.

6. 2D Shape Representation and Analysis using Edge Histogram and Shape Feature. : Springer -- 5th International Conference on Frontier in Intelligent Computing Theory and Application (FICTA) --- 2016.

7. Analysis of Logs by Using Logstash. Springer -- 5th International Conference on Frontier in Intelligent Computing Theory and Application (FICTA) --- 2016.

8. Visual Based Information Retrieval using Voronoi Tree. Springer -- 5th International Conference on Frontier in Intelligent Computing Theory and Application (FICTA) --- 2016.

9. A Theoretical and Experimental Analysis on K Nearest Neighbour Joins in Big Data. International Conference on Intelligent Computing and Control Systems (ICICCS) --- 2017.

10. Enhancing Time Performance by Job Commonality Feature : Hadoop. International Conference on Intelligent Computing and Control Systems (ICICCS) --- 2017.

11. Agent Based Discovery and System Monitoring. International Conference on Intelligent Computing and Control Systems (ICICCS) --- 2017.

12. Shape Recognition and Matching by Using Contour –SURF and Analysis. International Conference on Inventive Research in Computing Applications --- (ICIRCA) 2018.

13. 2D Shape Recognition by Using Speeded Up Robust Features (SURF). 13th National Conference on Recent Trends in Computer Science and Engineering --- 2018.

14. Voice Based Email for Visually Impaired. 2nd National Conference on IoT Based Control Network and Intelligent Systems --- 2021.

15. AI-Powered Medical Chatbot with ECG Analysis and Lung Cancer Detection using CNN. International Conference on Artificial Intelligence in Engineering Systems (ICAIES 2025) – **Awarded Best Paper.**

16. Mining Twitter Data for Resource Allocation and Rescue Assistance during Natural Disasters and Epidemics. International Conference on Artificial Intelligence in Engineering Systems (ICAIES 2025)

17. Speech Recognition Using Spectral Masking with Unified Biosensor Vision with Multimodal Transform. 5th International Conference on 6G Communications Networking and Signal Processing.-2025.

Patents:

Title : Two-Dimensional Object Detection Device based on Shape Contour.

Application No: 201841030294 –

Status : Granted

Title : Artificial Intelligence Specialist for Mental Health

Application No: 202141016990

Status : Granted

Title : AI Powered Computer Vision with Virtual Reality Integration for Mathematical Problem Solving

Application No: 202441088840 .

Status : Published

Title : AI Based Heart Rate Monitoring Device

Application No: 495119-001

Status : Registration of Design

Title : Air Quality Monitoring Device

Application No: 493917-001

Status : Registration of Design

National Conferences:**Conference Attended**

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Awards

NPTEL Course Topper, Best Paper- 02

Academic Activity

Deputy Controller of Examination, PG Coordinator, VTU Valuation Coordinator, Academic Council Member, NBA Coordinator, VTU Lab Examination Coordinator, BoE member –VTU

Faculty Development Activity/Workshops

Coordinated for International Conference, Conducted FDP,SDP and workshops

Contact Details

#301, Westchester Apartment, Rose Gardan Road, Dorisonipalya, J P Nagar, Bengaluru-78