Faculty Profile



Vidhya J V, M.Tech
Assistant Professor (Senior Grade)
Department of Information Technology

HIGHLIGHTS:

- Number of Journal Publications: 8
- H-Index: —3
- Project Funding Received: Nil
- Patents Published: Nil
- Patents Granted: Nil

PROFESSIONAL LINKS:

- Scopus ID: —57216652494
- Scopus Link: —https://www.scopus.com/authid/detail.uri?authorId=57216652494
- Google Scholar ID: —vH-HH4MAAAAJ
- Anna University Faculty ID: —2790401988
- AICTE Faculty ID: —1-9496168794
- LinkedIn: —https://www.linkedin.com/feed/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 11+ years (July 2011 – Till date), SRM Institute of Science and Technology
- Industrial Experience: Nil

INTERNATIONAL EXPOSURE:

- Not applicable / to be updated

AREA OF SPECIALIZATION:

- Machine Learning and Deep Learning
- Computer Vision and Image Processing
- Natural Language Processing and Sentiment Analysis
- Video Analytics (Violence and Activity Detection)
- Data Structures, Compiler Design and Theory of Computation

Ph.Ds AWARDED WITH DETAILS:

S.No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
—	Nil	—	—	—

Ph.Ds GUIDING:

- **Full Time Scholars:** Nil
- **Part Time Scholars:** Nil

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- SRM–Nokia Lab – Developed a mobile application using Windows Phone 7 (sponsored project)

PATENTS PUBLISHED/GRANTED:

- Nil

COURSES CERTIFIED:

- NPTEL – Joy of Computing using Python
- NPTEL – Programming in C
- NPTEL – Compiler Design
- CSEDU – Effective Teaching of Compiler Design
- Coursera – Introduction to Artificial Intelligence
- Coursera – R Programming
- Coursera – Developing Data Products

ACHIEVEMENTS AND AWARDS:

- Best Paper Award – "Financial Asset Valuation Using Online Learning Techniques in Semi-Streaming Data," SRM International Conference on Internet of Things, 2020
- Best Paper Award – "Mask RCNN for Text Detection in Comics," SRM International Conference on Internet of Things, 2020
- Resource Person – Windows Phone 7 Application Development Workshop, SRM Institute of Science and Technology, August 2012

PUBLICATIONS (JOURNALS/CONFERENCE PROCEEDINGS):

- Vidhya, J.V., & Uthra, R.A. (2024). Video Summarization through Latent Representation: A VAE and KMeans Clustering Method. ICCCNT 2024, IEEE.
- Vidhya, J.V., & Srivastava, S. (2023). Multiclass Classification of Malware using Machine Learning. INCOFT 2023, IEEE Xplore.
- Vidhya, J.V., & Uthra, R.A. (2021). Violence detection in videos using Conv2D VGG-19 architecture and LSTM network. CEUR Workshop Proceedings.
- Madhavan, R., Utkarsh, & Vidhya, J.V. (2021). Violence Detection from CCTV Footage Using Optical Flow and Deep Learning in Inconsistent Weather and Lighting Conditions. ICACDS 2021, Springer.
- Goli, K., Jain, V., & Vidhya, J.V. (2020). Speaker Identification using GFCC with PITCH & ZCR. International Journal of Advanced Science and Technology, 29(06), 26–33.
- Ruparel, C., & Vidhya, J.V. (2018). Cross-platform development: Challenges and opportunities. International Journal of Pure and Applied Mathematics, 118, 303–305.
- Vidhya, J.V., Khandelwal, S., & Dixit, S. (2018). TRYON. International Journal of Pure and Applied Mathematics, 118, 601–604.
- Vidhya, J.V., Kumar, A., & Parakh, Y. (2018). Neural Network with Regression Algorithms for Optical Character Recognition. International Journal of Engineering & Technology, 7, 341.

SPECIAL SESSIONS DELIVERED / WORKSHOPS & FDPs ORGANIZED:

- Workshop on Application Development – WP7 (2012), SRMIST, Kattankulathur
- Workshop on Advances in Positioning, Navigation and Communication (2016), SRMIST, Kattankulathur
- Workshop on Parallel Programming – Basic (2016), SRMIST, Kattankulathur
- FDP on Moodle Training Programme (2016), SRMIST, Kattankulathur
- Workshop on Human Cognition and Emotion Adapting AI Techniques (2017), SRMIST, Kattankulathur
- National Workshop on Ethical Hacking – Hacktrack (2018), SRMIST, Kattankulathur
- Workshop on Real Time Applications of Machine Learning in Health Sciences (2022), SRMIST

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

Papers Presented at Conferences:

- Multiclass Classification of Malware using Machine Learning – ICFT, S.G. Balekundri Institute of Technology, Belagavi (2023)
- Financial Asset Valuation Using Online Learning Techniques in Semi-Streaming Data – ICIoT, SRMIST (2020)
- Thyroid Cancer Detection Using Thermal Images – ICIoT, SRMIST (2020)
- Mask RCNN for Text Detection in Comics – ICIoT, SRMIST (2020)
- Violence Activity Detection using Optical Flow and LSTM Technique in Real World – ICRAMER, SRMIST (2019)
- Hiding Large Text Data after Image Compression using Modified Huffman Algorithm – ICRTCIT, SRMIST (2017)
- Smart Card Based Electronic Voting System – ICRTCIT, SRMIST (2017)
- Conversion of Printed Text into a Digitized Editable Format – ICRTCIT, SRMIST (2017)
- Microblogging Content Screening and Trending Analysis – ICRTCIT, SRMIST (2017)
- Sentiment Analysis and Opinion Mining: An Effective Approach for E-Commerce Product Review – ICSDC'17, AVIT (2017)
- Reliable Face Recognition under Uncontrolled Lighting Condition using Local Texture Feature Sets – Intl. Conf. on Intelligent Science and Technology, Sun College of Engineering (2011)
- Reliable Face Recognition under Uncontrolled Lighting Conditions – National Conference on Advanced Trends in Computing, Francis Xavier Engineering College (2011)

Workshops Attended:

- Data Mining and Image Processing, Francis Xavier Engineering College, Tirunelveli
- Research Issues & Challenges in Wireless Adhoc Networks, Infant Jesus College of Engineering, Tuticorin
- Challenges in Mobile Computing, Einstein College of Engineering, Tirunelveli
- MATLAB Programming, SRMIST, Kattankulathur
- Internet of Things, Coimbatore Institute of Technology, Coimbatore
- Big Data and Hadoop Framework, SRMIST, Kattankulathur
- Big Data Analytics Tools, SRMIST, Kattankulathur
- Geographical Information Systems, SRMIST, Kattankulathur
- Faculty Development Programme on DevOps, Tata Consultancy Services (TCS), Chennai

PROFESSIONAL MEMBERSHIPS:

- Not specified / to be updated

OTHER DETAILS (If any):

- Administrative Roles: Class Mentor, Counsellor, Compensatory Coordinator, Department Placement Coordinator, Course Coordinator, Exam Coordinator, University End Semester Examination Committee Member, Convocation Committee Member, IET Accreditation Member, NAAC Accreditation Member

- Organizing Committee Member for International Conferences
- Education: M.Tech – Information Technology (8.16 CGPA), Francis Xavier Engineering College (2009–2011); B.Tech – Information Technology (7.6 CGPA), Cape Institute of Technology (2005–2009)
- Languages Known: English, Tamil, Malayalam