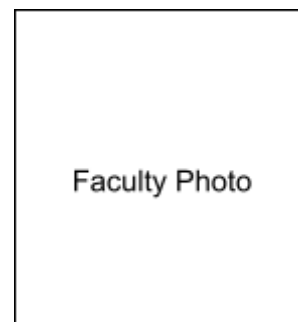


Faculty Profile

I currently pursuing Ph.D. in the domain Machine Learning under Visvesvaraya Technological University (VTU), I hold a Master of Technology (M.Tech) degree in Computer Science and Engineering from Ambedkar Institute of Technology, Bengaluru (VTU) and undergraduate degree, a Bachelor of Engineering (B.E) in Information Science and Engineering, was awarded by Siddaganga Institute of Technology, Tumkur (VTU).I have authored and co-authored research publications in reputed international journals and IEEE conferences, with contributions spanning machine learning, data mining, smart systems, and blockchain technologies. I have participated in and organized numerous faculty development programs, workshops, and webinars focused on emerging technologies, including artificial intelligence, data science, big data analytics, and academic research methodologies.



Dr.

in

Personal Information

- **Name:** Swetha S
- **Designation:** Assistant Professor
- **Department:** Information Science and Engineering
- **Email:** shwetha.ise@rvce.edu.in
- **Phone:**08068188463

Google Scholar / ResearchGate / LinkedIn: / ORCID: <https://orcid.org/0000-0002-6332-7006>

Domain of Expertise: Data structures, Algorithms and Machine Learning

Research Focus

- **Primary Area:** Data Mining
- **Allied Areas:**
 - Machine learning for gene expression analysis
 - Big data Analytics
 - Customer Relationship Management

Academic Qualifications

- **Ph.D.:** Perusing (Under VTU)
- **M.Sc./M.Tech:** M.Tech in Computer Science and Engineering, VTU, 2009
- **B.E./B.Tech:** Information Science and Engineering, VTU, 2006

Professional Experience

Experience

S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	Shridevi Institute of Engineering and Technology	Lecturer	1 st Aug 2006 to 3 rd Aug 2007

Publications & Patents

Journal Publications

1. Swetha S, Srinivasan G N and Dayananda P, "A Hybrid Multiple Indefinite Kernel Learning Framework for Disease Classification from Gene Expression Data" International Journal of Advanced Computer Science and Applications(IJACSA), 14(6), 2023.
2. Harshit Handa, Sahil Sharma, Shivam Prajapati, Prof. Swetha S," Software System for Population Prediction", Multidisciplinary Journal of Research in Engineering and Technology, eISSN:2348-6953 Volume 10 No.1 Pg. 33-42, July 2022.
3. Swetha S, Haripriya V Joshi, Aisha M J, "Predicting Smart Grid Stability with Deep Learning ", Specialusis Ugdyms / Special Education 2022, Vol. 1 No. 44 (2023), ISSN Online: 158-165.
4. Swetha S, Rashmi R,Kavitha S N, Anusha Jain,Santhosh, "Smart irrigation systems and website-based platform for farmer welfare", International Journal of Scientific Research in Engineering and Management. 6th issue, 9th sep 2022, DOI: 10.55041/IJSREM16465
5. Kavitha S N, Swetha S, Ananya G, Varshitha B, "Review-QUANTUM TELEPORTATION" , International Journal of Scientific Research in Engineering and Management. 6th issue, 9th sep 2022, DOI: 10.55041/IJSREM16465
6. Athar Sheikh, Anisha B S, Palash Bharadia, Swetha S, "Traffic Observing in a Smart City using Neural Networks", International Research Journal of Engineering and Technology (IRJET), Volume 7, Issue 6, June 2020,page No-5232 to 5235.
7. Nidhi Girish, Swetha S, "Testing Automation in Software Organizations", International Research Journal of Engineering and Technology (IRJET), Volume 7, Issue 6, June 2020,Page No-6760 to 6763
8. Nilesh Prasad, Swetha S, "GeoFencing: Location based services", International Journal of Advance Research, Ideas And Innovations in Technology, Volume-5, Issue-2, 2019, 10 May, 2019, Page No- 2060 to 2063

9. Anoosha M Rao, Vinayak S, Swetha S," Ordinal Based Classification Techniques: A Survey", International Research Journal of Engineering and Technology (IRJET), Volume-06,Issue-03,March 2019.
10. Divya M R, Meghana Kishore Murthy , Shwetha S "Comparative Study on SVM Multi-class Incremental Learning Algorithms" International Journal of Recent Engineering Research and Development (IJRERD),Volume 03,Issue 09,September 2018, PP: 01-05.
11. Ankita Gupta, Swetha S, Fault Management and Performance Management of Network Management System Based on Operation & Maintenance (O&M) Agent, IJSRD – International Journal for Scientific Research & Development,Vol. 3, Issue 03, 2015,Page No- 2482-2484.
12. Vinayak R H, Dayanand P, Shwetha S , Extended Self Destructing Data System with Data Recovery,International Journal of Engineering and Computer Science. Vol. 3, Issue 9, July – Sept 2014, Page No- 8155-8158.
13. Lachi Reddy Bajjuri, Chethana R Murthy, Swetha S, Energy Efficiency of Cellular Networks-Femtocell, ,Vol.4, No2, IRACST – International Journal of Computer Networks and Wireless Communications (IJCNCWC), ISSN: 2250-3501April 2014, Page No- 60-64.
14. Swetha S,"Customer Segmentation in Online Electronic Retail Store based on Customer's Expectations as Values using Social Media Analytics", IJCST Vol. 3, Issue 3, July – Sept 2012, Page No-186-190.
15. Varsha Waingankar , Swetha S. "A Security Design combining the advantages of Cryptanalysis and Anonymous routing protocol to achieve data secrecy and anonymity",International Journal of Computer Trends and Technology- volume3,Issue2- 2012,Page no -252-257.

Conference Papers

1. Abdu Rehaman Pasha Syed,Dileep Sharma,Karthik Pai,S Swetha and K Sharadadevi, "Notarizer – A new approach to perform notarization through blockchain", 2024 International Conference on Circuit, Systems and Communication (ICCSC), Fes, Morocco, 2024, pp. 1-9,IEEE Xplore: 06 August 2024 .
2. N J Prajwal, Keshav, Sameeksha, B K Srinivas, S Swetha," Automating Registration of Executables as Commands on the Ubuntu-Linux Platform", IEEE Xplore: 26 July 2024, International Conference of Emerging Technologies, INCET 2024.

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

- Phase 1: SDV in Box Global AV Simulator- Wipro and IISC, Year: 2019-2020
- Phase 2: Acoustic: Sound Integration to the simulator environment, Year: 2020 -2021

Student Supervision

- M.Tech Students: 20
- Undergraduate Research Mentees: 35

Teaching

Core Courses: [Current semester]

- *MIS325DM: User Interface & User Experience*
- *CD343AI: Design and Analysis of Algorithms*

Advanced/Lab Courses:

- *CD343AI: Design and Analysis of Algorithms*
- *IS233AI: Data Structures and Applications*

Professional Roles

Responsibilities

- **Academic:** Department CIE Coordinator
- **Administrative:** Department Anti Ragging Committee member