



FACULTY PROFILE ON WEBSITE

Faculty Name	SHREENIDHI B S	
Academic Designation	Assistant Professor	
Educational Qualification	BE, M. Tech, (Ph.D.)	
Experience in Teaching & Industry	13	
Date of Joining	16-08-2013	
Official Email ID	shreenidhibs@dsatm.edu.in	
Employee ID	180157	

Educational Details

- Ph. D - Pursuing in VTU
- M.Tech in Dayananda Sagar College of Engineering, Bangalore under VTU Belgaum 2013.
- B.E in Dayananda Sagar College of Engineering, Bangalore under VTU Belgaum 2011.

Personal Details

- Date of Birth:13/06/1989
- Hobbies: Traveling
- Languages Known: English & Kannada

Professional Experience

- Working as Assistant professor in Dept. of CSE at DSATM from August 2013 to present.

Publications

International Journals:

1. Manjunath S S, **Shreenidhi B S**, Nagaraja J, Pradeep.B. S, “Morphological Spot Detection and Analysis for Microarray Images”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-2, Issue-5, April **2013**
2. **Shreenidhi B.S**, Monisha R, Ravishankar BP, Shylaja N, Suhail Ahmed Shariff, “Patient Remote Monitoring System using IOT and ML with Mobile App”, INTERNATIONAL JOURNAL OF ADVANCE RESEARCH AND INNOVATIVE IDEAS IN EDUCATION(IJARIIE)-ISSN(O)-2395-4396, Vol-7 Issue-4 **2021**
3. **Shreenidhi B.S**, Monisha R, Ravishankar BP, Shylaja N, Suhail Ahmed Shariff, “Patient Remote Monitoring System using IOT and ML”, INTERNATIONAL JOURNAL OF

4. **Shreenidhi B S**, Mohammed Zaid Hulikatti, Nafey A H, Neha M R, Shradha S, "CYBERBULLYING DETECTION USING MACHINE LEARNING", International Journal of Creative Research Thoughts (IJCRT), IJCRT2204384, Volume 10 | Issue 4 | April 2022.
5. **Shreenidhi B S**, Harshitha P, Pradeep R, M Srijeimathy, Raksha M, "TRAFFIC SIGN RECOGNATION USING MACHINE LEARNING", International Journal of Creative Research Thoughts (IJCRT), IJCRT2204540, Volume 10 | Issue 4 | April 2022.
6. Khaja Moinudeen A K, Kruthik J, Madhu Sudhan S, Mohammed Saif, Mr. **Shreenidhi B S**", Driver Behavioural Detection & Alert System", International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 07 Issue: 01 | January - 2023 Impact Factor: 7.185 ISSN: 2582-3930.
7. Preetham HK1, Prince Kumar 2, Prajwal R3, Naveen Kumar4, **Shreenidhi B S**, "Cricket Score Prediction Using Machine Learning", International Journal of Research and Analytical Reviews (IJRAR), Volume 10, Issue 2, May 2023, E-ISSN 2348-1269, P- ISSN 2349-5138.
8. Khaja Moinudeen A K, Kruthik J, Madhu Sudhan S, Mohammed Saif, Mr. **Shreenidhi B S**", Driver Behavioural Detection & Alert System", International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 07 Issue: 05 | May - 2023 Impact Factor: 8.176 ISSN: 2582-3930.
9. **Shreenidhi B S**, Dr. Saravana Kumar, "Microarray image enhancement techniques by denoising: Current status and future directions", International Journal of Natural Sciences Research 2023 Vol. 11, No. 1, pp. 44-51 ISSN(e): 2311-4746 ISSN(p): 2311-7435 DOI: 10.18488/63.v11i1.3393 © 2023 Conscientia Beam.
10. **Shreenidhi B S**, Jahnavi R, Keerthi Raju L, N C Shreedevi, Nitesh M A "Gender And Age Prediction Using Face Recognition", International Journal Of Innovative Research In Technology, January 2024| IJIRT | Volume 10 Issue 8 | ISSN: 2349-6002.
11. **Shreenidhi B S**, Jigyasa Mangal, Kashish Mehta, Keerthana R, Parnika Aravind, "Chronic Diseases Detection System", 2024 IJCRT | Volume 12, Issue 1 January 2024 | ISSN: 2320-2882
12. **Shreenidhi B S**, Jahnavi R, Keerthi Raju L, N C Shreedevi, Nitesh M A "Gender and Age Prediction Using Face Recognition", International Research Journal of Modernization in Engineering Technology and Science, Volume:06/Issue:05/May-2024, e-ISSN: 2582-5208.
13. **Shreenidhi B S**, Jigyasa Mangal, Kashish Mehta, Keerthana R, Parnika Aravind, "Chronic Diseases Detection System", International Research Journal of Modernization in Engineering Technology and Science, Volume:06/Issue:06/June-2024, e-ISSN: 2582-520.
14. **Shreenidhi B S**, Shirisha S, Thejaswini K P, Vismitha K4, Sowmya N, "Stock Price Prediction", International Journal of Research Publication and Reviews, Vol (5), Issue (12), December (2024), Page – 5258-5262
15. **Shreenidhi B S**, Bharath N, Mohammed Farhan A, Nandish Kumar S, Aaryan C R, "Farm Edge", International Journal of Creative Research Thoughts, 2024 IJCRT | Volume 12, Issue 12 December 2024 | ISSN: 2320-2882
16. Sowmya Lakshmi B.S., Vineetha B.Y., Shreenidhi B.S., Arun Kumar N., "Generative AI and Digital Tools for Sustainable Futures: Shaping Future-Ready Classrooms with Emerging Technologies," *Degres Journal*, Volume 10, Issue 10, October 2025.

17. Sowmya Lakshmi B.S., Shreenidhi B.S., Arun Kumar N., "AI-Driven Lyric Composition from Melody Inputs Using Recurrent Neural Networks," *TANZ Journal*, Volume 20, Issue 10, October 2025.
18. C. Nandini, Shreenidhi B.S., Madhu S., Lohit Gowda T., Mokshit S., Raju, "A Novel Approach for Pneumonia Detection Using AI and ML," *International Journal of Science, Engineering and Technology (IJSET)*, Volume 13, Issue 2, 2025.
19. Shreenidhi B.S., Shirisha S., Sri Vidhya M.J., Varshini A., Soujanya Ratnakar Naik, "SaaS-Based Notion Clone with AI Integration," *International Journal of Science, Engineering and Technology (IJSET)*, Volume 13, Issue 3, 2025.
20. Shreenidhi B.S., Srinidhi P.R., Siri R., Sujana A.S., Srilakshmi B.S., "A Secure Model for Ensuring Healthcare Integrity in Virtual Consultation Networks," *International Journal of Creative Research Thoughts (IJCRT)*, Volume 13, Issue 6, June 2025.
21. C. Nandini, Shreenidhi B.S., Bilqis Anjum, Deepika G.L., Durgam Niyathi, Sankar G.N. Madhu, "Skill Swap: A Django-Powered Platform for Knowledge Exchange," *International Journal of Computer Application (IJCA)*, Volume 15, Issue 3, 2025.
22. Shreenidhi B.S., T.M. Uma Saikanth, Sindhu R., T.M. Udaya Sai Chandrika, Sweetty G., "Alzheimer's Disease Diagnosis Using VGG16-Based Deep Learning Models on MRI and PET Imaging," 2025.
23. Shreenidhi B.S., Siri R., Srilakshmi B.S., Srinidhi P.R., Sujana A.S., "A Secure Model for Ensuring Healthcare Integrity in Virtual Consultation Networks," *International Research Journal of Modernization in Engineering Technology and Science (IRJMETs)*, Volume 7, Issue 2, February 2025.

International Conferences:

1. **Shreenidhi B S**, Dr. Saravana Kumar, Anoop G L," Application of Morphological Convolution for Spot Detection and Analysis of Microarray Image", 3rd International Conference on Technical Advancement in Computer Science ISBN: 978-93-83038-53-4. 2nd & 3rd Feb 2018
2. **Shreenidhi B.S** , Vigneshwaran.T, Babu Kumar S, Shourit Paul, Prabhat Kumar , Chaitra PC, "Deep Learning-Based Diabetic Retinopathy Detection with Advanced Image Segmentation and Transfer Learning Techniques", International Conference on Recent Trends and Embedded Systems (ICRTACES 24) at K Ramakrishna College of Engineering September 2024.
3. **Shreenidhi B.S.**, "Adaptive Image Optimization Framework for Accurate Microarray Spot Detection," International Conference on Data-Processing and Networking (ICDPN 2025), jointly organized by the Institute of Technology and Business (VŠTE), Czech Republic, and collaborating international institutions, November 2025.
4. **Shreenidhi B.S.**, "Autonomous Traffic Regulator," 2025 IEEE Transportation Electrification Conference and Expo, Asia-Pacific (ITEC-AP 2025), Singapore, November 2025.
5. Rajanikanth Sanku, **Shreenidhi B.S.**, Durga Bramarambika Sailaja Varri, Jaya Chandra Myla, Syed Riyaz Ahammed, Bachina Harish Babu, "Integration of Artificial Intelligence and Edge Computing for Adaptive Cyber-Physical Systems in Mission-Critical Environments," 1st International Conference on Recent Trends in Computing and Smart

Mobility (RCSM 2025), Maulana Azad National Institute of Technology (MANIT), Bhopal, December 2025.

6. Anoop G.L., Govind K., Shruti Jalapur, **Shreenidhi B.S.**, Shrikant Tangade, M. Shruthi, "Privacy-Preserving Federated Learning on Android Devices Using Flower and TensorFlow Lite," 4th Congress on Smart Computing Technologies (CSCT 2025), National Institute of Technology (NIT), Sikkim, December 2025.
7. Shreenidhi B.S., "**Classification of Flower Using Transfer Learning with Enhanced MobileNetV2**," *6th International Conference on Data Analytics and Management (ICDAM-2025)*, jointly organized by **London Metropolitan University, UK**, in association with **WSG University, Poland, Portalegre Polytechnic University, Portugal**, and **SGGW Management Institute, Poland, June 2025**.

National Conferences:

- **Shreenidhi B S**, Sumanth Reddy, Niroop, M Pallavi K Murthy, Shilpa R, Varsha Nagar. "Security in Medical Sensor Networks". National Conference on Green Computing Technologies, NCGCT-2015, DSATM College, Bangalore, **7th May 2015**, ISBN:978-93-84935-31-3.
- **Shreenidhi B S**, Rekha V S, Chaitra C, Keerthi K Rao M, Laxmi M Patil, Pallavi M. "An Efficient Energy Saving Routing Algorithm with Sleep Mode mechanism to prolong the lifetime of WSNs". National conference on convergence of science, technology and management NCCSTM-2016 held on 5th May 2016 at DSATM College, Bangalore, ISBN: 978-93-84935-s97-9
- **Shreenidhi B S**, Sai Surender, Sriraksha, Sumithra, Veera Reema, "An efficient automatic technique for improving accuracy in segmentation of microarray images ", Third National Conference on Convergence of Science, Technology & Management held on 19th May 2017 at DSATM College, Bangalore. ISBN: 978-93-85682-48-3
- **Shreenidhi B S**, Mayank Chaudhary, Omaiz Ahmed, Shubham Kumar ,Shivam Kumar, "Video Recommendation Using Rich Contents From Videos" , National Conference on Green Computing Technologies, NCGCT-2020, DSATM College, Bangalore,

Academic Activity

- iSPOC Main Coordinator-ERP
- NAAC Coordinator
- Department ERP Coordinator
- VTU Portal Department Coordinator
- Web Coordinator
- Time Table Coordinator
- Scholarship Coordinator

Faculty Development Activity/Workshops

FACULTY DEVELOPMENT ACTIVITY:

1. Participated in 5-Day Faculty Development program on "Big Data Analytics "organized by Dept. of Information Science, SJBIT, Bangalore, from 27th to 31st January 2014.
2. Participated in 2-Day Faculty Development program on "Programming in C and Data Structure", held at RNSIT, Bangalore on July 24-25 2014.
3. Participated in 2 – Day Faculty Development program on "Image Processing and Pattern Recognition Techniques for Research Problem "held at DSATM, Bangalore on 27th - 28th January 2016.
4. Participated in 5-Day Faculty Development program on "Big Data analysis using Hadoop" held at DSU, Bangalore on 16th to 20th January 2019

5. Participated in 3-Day Faculty Development program on “Data Science Analysis” held at SJBIT, Bangalore on 22nd to 24th January 2019.
6. Participated in 3-Day Faculty Development program on “Research Methodology” held at DSATM, Bangalore on 21st to 23rd February 2019
7. Participated in 5-Day Faculty Development program on “Machine Learning and Deep Learning with H2O.AI” held at DSATM, Bangalore on 28th January to 1st February 2020
8. Participated in 3-Day Faculty Development program on “Microcontroller and Embedded system Lab 18CSL48” held at DSATM on Feb 6th to 8th 2020.
9. Participated in 5-Day Faculty Development (Webinar) program on “Research Focus on Computer Science” held at DSATM on 8th June to 12th June 2020.
10. Participated in 5-Day Faculty Development (Webinar) program on “A DevOps approach: Dockers in Blockchain” held at AMC, Bangalore on 17th to 21st June 2020.
11. Participated in 15 Day Faculty Development (Webinar) program on “Basic Computer Vision with Python” held at NIE, Mysore on 16th to 20th June 2020.
12. Participated in 1-Week Online Faculty Development program on “Exemplary Practices in Teaching -Learning and Evaluation of Courses in Computer Science & Information Technology” from August 3rd to 7th 2020 jointly organized by VTU PG Studies Kalaburagi and IIIT Allahabad.
13. Participated in 3-Day National Level Faculty Development program on “Mobile Application Development” held at DSATM on March 22nd to 24th 2021.
14. Participated in online 5-Day Faculty Development Program on “Smart Cities” from 18th to 22nd January 2021 at DSATM by ATAL.
15. Participated in 4-Day Faculty Immersion program [FIP] on “Pedagogical Approaches” held from 8th to 12th April 2022 at DSATM.
16. Participated in 12-Week Faculty Development Program on “Problem Solving through Programming in C” through Online NPTEL from Jan- April 2022.
17. Participated in 4-Week Faculty Development Program on “Outcome Based Pedagogic Principles for Effective Teaching” through Online NPTEL from Feb-Mar 2023.
18. Participated in 12-Week Faculty Development Program on “The Joy of Computing Using Python” through Online NPTEL from Jul-Oct 2023.
19. Participated in 5-Week Faculty Development Program on, “Outcome Based Education” from 25th to 30th September 2023 in RVITM, Bangalore.
20. Participated in ISTE Approved Short -Term Training Program on, “Gray Box Probing Generative AI” from 8th to 13th Jan 2024 through online organized by Dept of CSE, Agnel Charities Fr. C Rodrigues Institute of Technology, Vashi, Mumbai.
21. Participated in 7-Week Online Faculty Development Program on "Latest Trend and Techniques in Software Engineering: An Industry Perspective" organized by the Department of Computer Science, CHRIST (Deemed to be University), Bangalore during 20th - 27th January 2024.
22. Participated in 12-Week Faculty Development Program on “Python for Data Science” through Online NPTEL from Jan-Feb 2024.
23. Participated in 1-Week Faculty Development Program on “AI for Future Workforce” from 22nd to 26th July 2024 in National Institute of Technical Teachers Training and Research, Chandigarh through online.
24. Participated in 1-Week Faculty Development Program on “Empowering Innovations: Six days International FDP on AI Technologies” from 8th to 13th July 2024 in Dept. of CSE, SOET, Christ University, Bangalore.
25. Participated in 8-Week Faculty Development Program on “Accreditation and Outcome Based Learning” through Online NPTEL from Aug-Oct 2024.
26. Participated in online 5-Day Faculty Development Program on “Quantum Verse: Advancing Knowledge in Quantum Computing, XR, and the Metaverse” from 16th to 21st December 2024, at A P S COLLEGE OF ENGINEERING by ATAL.

27. Participated in online 1-Week International Faculty Development Program on “Technovations in Smart Grid and Smart Cities: The Role of AI, IoT, and Embedded Systems” from 07/04/2025 to 11/04/2025, at SR University, Warangal, Telangana, India.
28. Participated in 5-Day Faculty Development Program on “Intellectual Property Rights (IPR) & Entrepreneurship: Building Sustainable Business Models through Innovation” from 23/06/2025 to 28/06/2025 at DAYANANDA SAGAR BUSINESS ACADEMY by ATAL.
29. Participated in 12-Week Faculty Development Program on “Machine Learning and Deep Learning – Fundamentals and Applications” through Online NPTEL from Jul-Oct 2025
30. Participated in 6-Day Faculty Development Program on “Advancements in Quantum Generative AI: Its Applications and Future Prospects” from 04/08/2025 to 09/08/2025 at DSATM by ATAL.
31. Participated in 6-Day Faculty Development Program on “Responsible generative AI and its applications” from 08/09/2025 to 13/09/2025 at JYOTHY INSTITUTE OF TECHNOLOGY by ATAL.
32. Participated in 6-Day Faculty Development Program on “Data Analytics using AI” from 11-11-2025 to 24-11-2025 at E & ICT Academy, IIT Kanpur
33. Participated in the Five-Day Online Faculty Development Program on "POWER UP WITH AI – Tools That Transform Teaching & Pedagogy" from 08/12/2025 to 12/12/2025 at CHRIST (Deemed to be University), Department of AIML & DS, School of Engineering and Technology.
34. Participated in the AICTE Training and Learning (ATAL) Academy Faculty Development Program on "Emerging Frontiers in Quantum Technology and Communication" from 15/12/2025 to 20/12/2025 at Madhav Institute of Technology & Science, organized by AICTE Training and Learning (ATAL) Academy.
35. Participated in the Faculty Development Program on "Agentic AI (Building Autonomous Intelligent Systems)" from 22/12/2025 to 27/12/2025 at Innomatics Research Labs.
36. Participated in the International Level Online Six-Day Faculty Development Program on "AI in Education and Research: Exploring Generative AI, Ethical Practices, and Innovative Applications" from 01/06/2026 to 06/06/2026 at R.M.K. Engineering College (Autonomous), organized in association with the Analytics Society of India (ASI), Indian Society for Technical Education (ISTE), and The Institution of Engineers (India) [IEI].
37. Participated in the Five-Day Faculty Development Programme on "Explainable Artificial Intelligence in Healthcare Imaging Systems with Hands-on Sessions" from 29/05/2026 to 03/06/2026 at Aarupadai Veedu Institute of Technology, Vinayaka Mission's Research Foundation (Deemed to be University), Chennai Campus.
38. Participated in the AICTE Training and Learning (ATAL) Academy Faculty Development Program on "Advanced Perspectives in IoT" from 09/02/2026 to 14/02/2026 at Government College of Engineering, Aurangabad, organized by AICTE Training and Learning (ATAL) Academy.
39. Participated in 8-Week Faculty Development Program on Fundamentals of Object Oriented Programming” through Online NPTEL from an-Apr 2026.

WORKSHOPS:

1. Participated in Two Day workshop on “Research Methodology “, held at Cambridge Institute of Technology, Bangalore during 21st and 22nd October 2016.
2. Participated in Six Day workshop on “Machin Learning with python and R-Tool “, organized by Dept. of Computer Science, SJBIT, Bangalore, from 16th to 21st January 2017.
3. Participated in 3-Day NBA Workshop held at DASTM, Bangalore on 11th -13th December 2017.
4. Participated in 3-Day online workshop on “LATEX” held from 29th June to 1st July 2020 at AMC Engineering College, Bangalore.
5. Participated in the National-Level Online Workshop on "Application Development with AI & Essential Skills" from 23/06/2025 to 27/06/2025, organized by RV Institute of Technology and Management in association with Brainovision Solutions India Pvt. Ltd. and in collaboration with AICTE (All India Council for Technical Education).

Certification Course:

1. Completed NI LabView Core 1& Core 2 Course from 8th to 13th June 2018 at DSATM, Bangalore.
2. Completed NI LabView Data Acquisition using myDAQ from 26th to 31st July 2018 at DSATM, Bangalore.
3. Participated 5-day workshop on NI LabView myRIO from 13th to 17th October 2018 at DSATM, Bangalore.
4. Completed "Python Fundamentals" on Dec 19th 2019 in UDEMY.
5. Completed "Fundamentals of the C Programming Language" on Dec 16th 2019 in UDEMY
6. Completed "Data structure and Algorithms: Deep Dive Using JAVA", on Sept 29th 2022 in UDEMY.
7. Completed "Python for Beginners" on Sept 19th 2021 in UDEMY.
8. Completed "Problem Solving Through Programming in C" on Jan 2022 in NPTEL
9. Completed "Python 101 for Data Science" on 13th Sept 2022 in IBM SkillBuild
10. Completed "Outcome Based Pedagogic Principles for Effective Teaching" on Feb-Mar 2023 in NPTEL.
11. Completed "Python 101 for Data Science" on 13th Sept 2022 in IBM SkillBuild
12. Completed "The Joy of Computing Using Python" through Online NPTEL from Jul-Oct 2023.
13. Completed "Python for Data Science" through Online NPTEL from Jan-Feb 2024.
14. Completed "Accreditation and Outcome Based Learning" through Online NPTEL from Aug-Oct 2024.

Patents

1. **Patent Filed:** "Solar Power Waste Segregation System"
Application No: 202141016985
Publication Date: December 13th 2024
Filed on: November 30th 2024
Inventors: Shreenidhi B S,
Status: Published
Authority: Intellectual Property India
2. **Patent Filed:** "Integrated FASTag System for Automated Toll and Parking Payment"
Application No: 202441104035
Filed on: December 28, 2024
Publication Date: January 03, 2025
Inventors: Shreenidhi B S
Status: Published
Authority: Intellectual Property India
3. **Patent Filed:** "Neck Wearable with Sound Alert for Preventing Hardware Disease in Cattle"
Application No: 202441093374
Publication Date: December 6th, 2024
Filed on: November 28th, 2024
Inventors: Shreenidhi B S, Dr. Nandini C, Dr. Shiva Sumanth Reddy, Mr. Jyothis K P, Mr. Rajesh M, Mr. Chandrasekar G, Dr. Nagaraj M Lutimath, Dr. Shalini S, Dr. Priya Nandihal, Ms. Manasa Sandeep, Ms. Shilpa M
Status: Published
Authority: Intellectual Property India
4. **Patent Filed:** "Teeth Cap with Vibration Alert to Prevent Hardware Disease in Cattle"
Application No: 202441093213
Publication Date: December 6th, 2024
Filed on: November 28th, 2024
Inventors: Shreenidhi B S, Dr. Shiva Sumanth Reddy, Dr. Nandini C, Mr. Jyothis K P, Mr. Rajesh M, Mr. Chandrasekar G, Dr. Shalini S, Dr. Priya Nandihal, Ms. Manasa Sandeep, Ms.

Shilpa M, Ms. Yamini G, Dr. Nagaraj M Lutimath

Status: Published

Authority: Intellectual Property India

5. **Patent Filed:** *"AI-Powered Touchless Handwriting and Image Generation System"*

Application No: 202541126387

Publication Date: January 2nd 2026

Filed on: December 13th 2025

Inventors: Shreenidhi B.S., Rajesh M., Chandrashekar, B.R. Aditya Vardhan Reddy, Gopineedi Sahaj, Annam Sri Nimisha Reddy, Bhuvan A.M.

Status: Published (Awaiting Request for Examination)

Authority: Intellectual Property India

6. **Patent Filed:** *"A Novel Approach for Pneumonia Detection Using AI and ML"*

Application No: 202541126384

Publication Date: January 2nd 2026

Filed on: December 13th 2025

Inventors: Shreenidhi B.S., Rajesh M., Chandrashekar, Madhu S., Lohith Gowda T., Mokshith S., Raju

Status: Published (Awaiting Request for Examination)

Authority: Intellectual Property India

Contact Details

Assistant Professor,

Department of Computer Science & Engineering

Dayananda Sagar Academy of Technology & Management

Udayapura, Kanakapura Road

Bengaluru-560082

Mail ID: shreenidhibs@dsatm.edu.in

deepushreenidhi@gmail.com

Phone No.: 9731927999