

Faculty Profile

Brief Profile



Personal Information

- **Name:** Dr. Kavitha S N
- **Designation:** Associate Professor
- **Department:** Information Science and Engineering
- **Email:** kavithasn@rvce.edu.in
- **Phone:** 080-68188252

Google Scholar : [Kavitha S.N. - Google Scholar](#)

ORCID: <https://orcid.org/0000-0003-4952-8677>

Research Focus

- **Primary Area:** Image Processing
- **Allied Areas:**
 - Machine Learning
 - Computer Networks

Academic Qualifications

- **Ph.D.:** Computer Science, VTU, 2022
- **M.Tech:** Digital Communication and Networking, VTU, 2007
- **B.E:** Computer Science and Engineering , VTU, 2002

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	R V College of Engineering, Bangalore	Associate Professor	Dec2024- Till Date
2.	R V College of Engineering, Bangalore	Assistant Professor	May 2007 –Dec2024
3.	Gogte Institute of Technology, Belagavi	Lecturer	March 2005 – August 2005
4.			March 2003–

	Dayanand Sagar College of Engineering, Bangalore	Lecturer	Feb 2005
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Publications & Patents

Journal Publications

1. Dr. Kavitha S.N, Abdu Rehaman Pasha Syed, Srivathsan Varadharajan “PlanLLM: Planning based Large Language Agents to Address Data Manipulation Queries, Using Local Large Language Models”, International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 08 Issue: 06 | June - 2024 SJIF Rating: 8.448 ISSN: 2582-3930, DOI: 10.55041/IJSREM35376.
2. Dr. Kavitha S.N , Pritish Raj, “ Continuous Integration for New Service Deployment and Service Validation Script for Vault”, International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 08 Issue: 06 | June - 2024 SJIF Rating: 8.448 ISSN: 2582-3930, DOI: 10.55041/IJSREM35376.
3. Dr. Kavitha S.N, Shivam Prajapati, and Akash Shetty, “Survey On Network Automation Trends And Quality Of Service Methods”, Gradiva Review Journal, Volume 9 Issue 5 2023.
4. Dr. Kavitha S N Sandhya V, “Eye Based PIN Authorization for Secure Transactions”, Journal of Xidian University, Volume 17, Issue 9, 2023. DOI:10.37896/jxu17.9/102.
5. Dr. Kavitha S N, Deepak Rathod, “Chatbot for Healthcare System Using Artificial Intelligence”, Journal of Xidian University, Volume 17, Issue 9, 2023. DOI:10.37896/jxu17.9/102.
6. Dr. Geetha V, Dr. Kavitha S N, ”Development of Mental Health Website and securing the chat application using 4X4 Hill Cipher Technique”, Journal of Harbin Engineering University, Volume 44, No. 7, July 2023
7. Dr. Kavitha S N , Hasifa A S, Sreelakshmi, “A Study on ETL and its Applications in the field of Finance”, International Journal of Scientific Research and Engineering Development— Volume 5, Issue 4, July 2022
8. Dr. Kavitha S N , Prof. Swetha S, Dr. Praveen Kumar Gupta, Ms. B Varshitha, Ms Ananya G, “Review-QUANTUM TELEPORTATION”, International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 06 Issue: 09 | September – 2022, ISSN: 2582-3930, DOI: 10.55041/IJSREM16464
9. Ms. Anusha Jain , Mr. Santosh Vishwanathan , Ms. Swetha S , Ms. Kavitha S N, Dr. Praveen Kumar Gupta, Ms. Rashmi R, “Smart Irrigation Systems And Website-Based Platform For Farmer Welfare” was published in International Journal of Scientific Research in Engineering and Management (IJSREM) Volume 06, Issue 09, September 2022, ISSN: 2582-3930 , DOI: 10.55041/IJSREM16465.

10. Dr. Kavitha S N , Yashaswini M “Online Inspection System for Locomotive Equipment”, High Technology Letters, Volume 28, Issue 7, July 2022 , ISSN NO : 1006-6748.
11. Kavitha S N, R Prajna, “Adoption of Design Principles and Design Patterns for Developing Software Application”, Journal of Emerging Technologies and Innovative Research, Volume 8, Issue 5, ISSN-2349-5162, May 2021.
12. Kavitha S N, Nadine V Alexandrine, “Software Service to Optimize Battery Life in a Personal Computer”, Journal of Emerging Technologies and Innovative Research, Volume 8, Issue 5, ISSN-2349-5162, May 2021.
13. Kavitha S. N, AnithaMalaghan,” Informatica Tool Usage In ETL Process”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249–6890; ISSN (E): 2249–8001, Vol. 10, Issue 3, 5291-5298, Jun 2020.
14. Kavitha S.N, Shwetha, “DETECTION OF PHISHING WEBSITES USING MACHINE LEARNING”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN(P): 2249–6890; ISSN(E): 2249–8001, Vol. 10, Issue 3, Jun 2020, 6785–6792
15. Kavitha S.N, Pallavi C L, ”Musicstaffline removal using Convolutional Neural Network “, International Journal of Advance Research, Ideas and Innovations in Technology, Volume 5, Issue 3, June 2019
16. Kavitha S N, NagmaTahasildar,”Discrete Emotion Recognition using EEG Signals”, JIMS 8i- International Journal of Information, Communication and Computing Technology (IJICCT) Volume 7, Issue 3, May- 2019
17. Kavitha S N, Dr. S C Prasanna Kumar, “Multimodal biometric identification with the aid of advanced transforms and random forest classifier”, Global Journal of Engineering Science and Research Management Volume 6, Issue 6, ISSN 2349-4506, June 2019.
18. Kavitha S N, Dr. S C Prasanna Kumar, “Multimodal biometric identification with the aid of advanced transforms and random forest classifier”, International Transaction on Engineering & Science, Volume 1, Issue 3, Feb 2019, Pg:1-10.
19. Kavitha S N, Arpitha R, "Automation Using Jenkins: Plugins, Test Design , Test Execution and Reporting", Imperial Journal of Interdisciplinary Research (IJIR), Vol-3, Issue-5, ISSN: 2454-1362, 2017
20. Kavitha S. N, Akshay Kumar Vijapur , "Survey of BIOS architecture and implementation on System on Chip (SOC)", Imperial Journal of Interdisciplinary Research (IJIR), Vol-3, Issue-5, ISSN: 2454-1362, 2017
21. Kavitha S N, Dr. S C Prasanna Kumar , “Survey of Fingerprint Analysis using Artificial Neural Networks “, International Journal of Latest Technology in Engineering, Management & Applied Science, Volume 5, Issue 5, ISSN: 2278-2540, May 2016.
22. Akul S, Kavitha S N, “Image Compression Approaches: A Comprehensive Study “, International Journal of Engineering & Technical Research, (An ISO 9001:2008 certified online journal), April 2015, Issue (Volume 3 Issue 4). ISSN : 2321-0869, April 2015.

23. Harsha K, Kavitha S N, Dr. S C Prasanna Kumar, "Study On Object Tracking Using Neural Network Functions", International Journal of Advanced Research in Computer and Communication Engineering, Vol. 3, Issue 5, Pg:6525-6427, May 2014
24. Raghu K, Kavitha S N, "Improved Method of BPF", International Journal of Research and Reviews in Information Sciences (IJRRIS), Volume 2, Issue 2, April 2012.
25. Kavitha S N, Shankreppa, "Payment default Recovery process using Webmethods product suite", International Journal of Engineering Science and Technology (IJEST), Volume 2, Issue 2, May 2012.

Conference Papers

1. Kavitha.S.N, Shahila.K, Dr. Prasanna Kumar .S.C, "Biometrics Secured Voting System with Finger Print, Face and Iris Verification" 2nd International Conference (IEEE) on Computing Methodologies and Communication (ICCMC 2018) on 15-16, IEEE ISBN: 978-1-5386-3452-3, February 2018.
2. Mr. Deepak B Desai, Prof. Kavitha S.N, "Face Anti-spoofing Technique Using CNN and SVM (Paper ID) ICICCS-0111", International IEEE Conference on Intelligent Computing and Control Systems [ICICCS 2019], 15-17 May 2019
3. Kavitha S N, Amith R, "Vehicle Number Validation System Using Convolution Neural Networks", 2021 IEEE International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS), IEEE | DOI: 10.1109/CSITSS54238.2021.9682900, Dec 2021.

R & Grants & Consultancy Projects

1. Samsung PRISM (Phase-IV) implemented project titled "Content Popularity prediction – News/Video/Mobile application" from Jan 2023 to Aug 2023. Received Certificate of Excellence
2. Executed HPE project titled "Enable OpenSearch dashboard for log and benchmark analytics" during Jan 2023- May 2023.
3. Samsung PRISM (Phase-III) implemented project "Chat Bot for ecommerce platform" during Jun 2021-Jan 2022. Received Certificate of Excellence.
4. Samsung PRISM (Phase-I) -Intelligent Navigation via in-house object detection during Aug 2019-Jan 2020. Received Certificate of Participation.
5. Wipro-IISC Research & Innovation Network Consortium (WIRIN) PHASE 2 - Migrating Full Fledge Desktop Based Scenario Editor To Web Platform during Junly-Sep 2020. Received Certificate of Participation.
6. Executed project on "Sentiment Analysis" for Repufact company during Dec 2015-Dec 2016.

Professional Memberships

- IETE [Lifetime] MEM No: : F-503554

Awards & Recognitions

- RSST award in 2018

Student Supervision

- Ph.D. Candidates:
- M.Tech/M.Sc. Students: 30
- Undergraduate Research Mentees: 56

Professional Roles

- **Editorial Board:** [Journal Name]
- **Chair/Committee Member:** [Conference Name, e.g., *IEEE International Conference on Robotics*]
- **Industry Advisor:** [Company/Startup Name]

Teaching

Core Courses: [Current semester]

- Software Security
- Information Retrieval

Advanced/Lab Courses:

- Software Application Development lab

Professional Roles

Responsibilities

- **Academic:** TTO, Alumni Co-ordinator, BoS, Placement Co-ordinator
- **Administrative:** NBA Co-ordinator for UG programme