Faculty Profile

Brief Profile (Few Paragraphs)

Personal Information

- **Name: Dr. Rajashree Shettar**
- **Designation: Professor**
- **Department: Department of Computer Science & Engineering**
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Google Scholar: https://scholar.google.com/citations?user=wJRqgskAAAAJ&hl=en
ResearchGate: https://www.researchgate.net/profile/Rajashree-Shettar
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LinkedIn: https://www.linkedin.com/in/rajashree-shettar-93547634/
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Domain of Expertise: Natural Language Processing, Machine Learning, Deep Learning, Generative AI.

Research Focus

- **Primary Area: Semi-Structured Data Analysis**
- **Allied Areas: Natural Language processing, Machine Translation**

Academic Qualifications

- **Ph.D.**: Discipline - Computer Science and Engineering, Avinashilingam University for Women, Coimbatore, 2010
- **M.Tech**: M.S (Software Systems), Birla Institute of Technology, Pilani, 1999.
- **B.E**: Computer Science and Engineering, Karnataka University, 1996

Professional Experience

Experience

S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	Bharat Electronics	GAPP	1996-97
2.	RV College of Engineering	Lecturer	5.11.1997 to 30.11.2004
3.	RV College of Engineering	Sr. Lecturer	1.12.2004 to 31.03.2007
4.	RV College of Engineering	Asst. Professor	1.04.2007 to 1.12.2010
5.	RV College of Engineering	Associate Professor	1.01.2011 to 28.02.2012
6.	RV College of Engineering	Professor and as Associate Dean	1.03.2012 to 1.07.2019
7.	RV College of Engineering	Dean PG and Research (Circuit Programs)	1.8.2019 to 15.01.2025
8.	RV College of Engineering	Professor	16.01.2025 to till date

Teaching Experience: 28 years at RV College of Engg., Bangalore and 1 year of industrial experience at Bharat Electronics.

Publications & Patents

Journal Publications

1. Madhunandana H M, Rajashree Shettar, "DocQuery AI: Intelligent Answer Generation from PDFs", *Journal of Intelligent Data Analysis and Computational Statistics,* vol. 1 (3), pp. 28-36, December 2024, e-ISSN: 3048-7080.

2. Rajashree Shettar, Sachin J H, "Resume Parsing System using NLP and Semi-Structured Supervised Networks," in *Journal of Intelligent Data Analysis and Computational Statistics* vol. 1 (3), pp. 21-27, December 2024, e-ISSN: 3048-7080.

3. Y. S. Yashwanth and R. Shettar, "Zero and Few Short Learning Using Large Language Models for De-Identification of Medical Records," in *IEEE Access*, vol. 12, pp. 110385-110393, August 2024, DOI: 10.1109/ACCESS.2024.3439680.

4. Dr. Rajashree Shettar and Avani Goyal, "Development of Generic Framework for Payment Gateway related to Consumer Applications", *Mathematical Statistician and Engineering Applications Journal*, Vol. 71 (3), June 2022, pp. 1304–1315, ISSN: 2094-0343 (indexed in Scopus, Q4). https://www.philstat.org.ph/index.php/MSEA/article/view/470

5. S Nishith and Dr. Rajashree Shettar, "Modern Data Integration Pipeline For Application, Programming Interfaces Using Fivetran", *Gradiva Review Journal*, Vol. 8 (7), August 2022, pp. 1102- 1107, ISSN NO : 0363-8057

6. Sidharth Saxena and Rajashree Shettar, "Forecasting the coronavirus disease 2019 pandemic in India using machine learning and statistical models", *Int. J. Mathematical Modelling and Numerical*

Optimisation, Vol. 12, No. 3, July 2022, pp. 211-232, published by Inderscience Enterprises Ltd., ISSN: 2040-3615, DOI: 10.1504/IJMMNO.2022.10046707

7. Badarinath Kamasetty, Mahesh Renduchintala, Lochan Lingaraja Shetty, Suresh Chandarshekar, Rajashree Shettar, "Design and development of portable smart traffic signaling system with cloud-artificial intelligence enablement", Indonesian Journal of Electrical Engineering and Computer Science, vol. 26, No.1, April 2022. pp. 116-126, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v26.i1.pp116-126

8. Y.R. Prajwal, Jainil Viren Parekh and Dr. Rajashree Shettar, "A Brief Review of Micro-frontends", *United International Journal for Research & Technology,* vol. 2 (8), June 2021. pp. 123-126, ISSN: 2582-6832

9. Sumana H V, Arati Ashok Neelammanavar, Sudeep K R, Veena R and Dr Rajashree Shettar "Covid-19 outbreak prediction using Machine Learning and Deep Learning", *Journal of Emerging Technologies and Innovative Research,* vol.8 (6), June 2021, pp.195-201, ISSN-2349-5162

10. Abhishek K Wakchaure and Prof. Rajashree Shettar, "Detecting Multiple Indian License Plates from Real time Videos" using YOLOv4 and CNN", *International Journal of Innovative Research in Technology*, vol. 8 (2), July 2021, pp. 688-694, ISSN: 2349-6002

11. Yashwanth Y S and Prof. Rajashree Shettar, "Improvement of Continuous Integration Pipeline for Faster and Stabilized Builds for macOS Applications", Science, Technology and Development Journal, vol. 10 (6), June 2021, pp. 502-511, ISSN: 0950-0707

12. Jainil Viren Parikh, Prajwal YR, Rajashree Shettar, "Toxic Text Classification for Globalization of Software Products", *International Research Journal of Engineering and Technology,* vol. 8 (6), June 2021, pp. 1-4, e-ISSN: 2395-0056

13. K N Prathik, Dr Rajashree Shettar, "An NLP Chatbot on Home Remedies for Common Diseases", *International Journal of Advanced Research in Computer and Communication Engineering,* vol. 10 (5), May 2021, pp. 175-18

14. Abhishek K Wakchaure, Prathik K N and Prof. Rajashree Shettar, "Detecting License Plates In Real Time Using Deep Learning For Android", *Journal of Seybold Report*, vol. 15 (7), July 2020, pp. 850-853, ISSN NO: 1533-9211.

15. Bhavana R, Rakshitha S G, Rajashree Shettar, Minal Moharir, "Microservice Architecture using ASP.NET Core",   *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. 9 (8), June 2020, pp. 175-178, published by Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2278-3075, DOI: 10.35940/ijitee.G5730.059720

16. Rajayogi J R and Rajashree Shettar, "Microservices Architecture for Building Internet of Things (IoT) Applications", *International Research Journal of Engineering and Technology (IRJET)",* vol. 7 (5), May 2020, pp. 1459-1462, e-ISSN: 2395-0056, p-ISSN: 2395-0072

17. Sanjana Karanam, Rajashree Shettar, "Processes and Techniques in Digital Marketing Analytics", *International Journal of Computer Sciences and Engineering,* vol. 8 (4), Apr 2020, pp. 28-33, E-ISSN: 2347-2693.

18. Likhith D, Vamsi A, Rajashree Shettar, "Customer Attrition and Retention",   *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. 9 (7), May 2020, pp. 925-928, published by Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2278-3075, DOI: 10.35940/ijitee.G5730.059720

19. Pavan Sai Diwakar Nutheti, Narayan Hasyagar, Rajashree Shettar, Shankru Guggari and Umadevi V, "Ferrer diagram based partitioning technique to decision tree using genetic algorithm", *I.J. Mathematical Sciences and Computing*, vol. 6 (1), 2020, pp. 25-32, published online by MECS (http://www.mecs-press.net), DOI: 10.5815/ijmsc.2020.01.03

20. M.V. Rahul, Rajashree Shettar and K.N. Subramanya, "An adaptive model for traffic flow optimisation in dynamic environments", *International Journal of Computational Science and Engineering*, vol. 19 (1), 2019, pp. 25-35, published by Inderscience Enterprises Ltd., ISSN: 1742-7185, **DOI**: 10.1504/IJCSE.2019.10016802

21. Danamma Awati and Rajashree Shettar, "Distributed Network Security through Log Analysis", *International Journal of Multidisciplinary Research Transactions*, vol. 1 (3), 2019, pp. 31-37, ISSN: 2663-2381

22. Srivardhan Reddy K, Sidaarth R, Sai Aneesh Reddy and Rajashree Shettar, "IoT Based Health Monitoring System using Machine Learning", *International Journal of Advanced Research and Innovative Ideas in Education*, vol. 5 (3), 2019, pp. 381-386, ISSN: 2395-4396

23. Gagana H M, Shwetha R, Dr Ashok Kumar A R, Dr Rajashree Shettar, Sudhakar Aruchamy, M Shyam Sunder, "Monitoring and Controlling of Internet of Things(IoT) devices using MQTT(Message Queuing Telemetry Transport) Protocol, *International Journal of Advanced Research and Innovative Ideas in Education*, vol. 5 (3), 2019, pp. 309-316, ISSN: 2395-4396

24. Vinay N R, Soumya Sharma, Layeeq Ahmed, Soumya A and Rajashree Shettar, "A Review on Different Object Relational Mapping Frameworks", *Journal of Emerging Technologies and Innovative Research*, vol. 6 (5), May 2019, pp. 668-674, ISSN: 2349-5162

25. Bhagyashri. R. Hanji, Rajashree Shettar, "Cross layer solution for energy and delay optimization in MANETs", *International Journal of Electrical and Computer Engineering*, vol. 8 (6), 2018, pp. 4746-4754, DOI: 10.11591/ijece.v8i6.

26. Sachin A S and Dr. Rajashree Shettar, "Analysis and Prediction of Open Bugs Using Machine Learning Algorithms", International Journal of Research and Scientific Innovation (IJRSI), vol.5 (5), May 2018, pp. 16-19, ISSN 2321–2705.

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31. "Hybrid Decision Tree using K-Means for Classifying Continuous Data", International Journal Of Innovative Research In Computer And Communication Engineering (IJIRCCE), ISSN (Print): 2320 – 9798, vol. 3, (10), October 2015, pp. 10046-10053, DOI: 10.15680/IJIRCCE.2015. 0310068.

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34. Dayananda.P and Dr. Rajashree Shettar, "An Efficient XML Keyword Search with Efficient Ranking Technique", International Journal of Applied Engineering Research (IJAER), ISSN 0973-4562, vol. 10, (12), July 2015, pp. 32297-32310.

35. Chethan R, Kiran H S, Manjunatha Hegde, Manu S Rao, Dr. Rajashree Shettar, "Web Search Engine for Indian Specific Mutation Data", International Journal of Advance Research in Engineering, Science & Technology (IJAREST), ISSN(O):2393-9877, ISSN(P): 2394-2444, vol. 2, (4), April 2015, pp. 218-221.

36. Poonam Ghuli, Archit Shukla, Raj Kiran, Sheraaz Jason & Rajashree Shettar, "Multidimensional Canopy Clustering on Iterative MapReduce Framework Using Elefig Tool", IETE Journal of Research, Publisher Taylor and Francis, DOI: 10.1080/03772063.2014.988760, ISSN 0377-2063 (Print), 0974-780X (Online), vol.61, (1), JAN-FEB 2015, pp. 14-21.

37. Lorence Oliver, Dr. Rajashree Shettar, "Mobile Cloud Security a Survey," Int. Journal of Engineering and Computer Science, ISSN: 2319-7242, vol.3, (10), October 2014, pp. 8993-8996.

38. V Uday Kumar Reddy, Rajashree Shettar and Vidya Niranjan, "De Novo Assembly in Your Own Lab: Virtual Supercomputer Using Volunteer Computing", British Journal of Research (BJR), vol. 1, (1), August 2014, pp. 028-038.

39. Prashant Naresh and Dr. Rajashree Shettar, "Early Detection of Lung Cancer Using Neural Network Techniques", Int. Journal of Engineering Research and Applications, ISSN: 2248-9622, vol. 4, (8), August 2014, pp. 78-83.

40. Dayananda.P and Dr. Rajashree Shettar, "Ranking Clustered Keyword Search on Semi Structured Data," International Journal on Recent and Innovation Trends in Computing and Communications (IJRITCC), ISSN 2321-8169 (Print), vol. 2, (7), July 2014, pp. 1922-1928.

41. Prashant Naresh and Dr. Rajashree Shettar, "Image Processing and Classification techniques for Early Detection of Lung Cancer for Preventive Health Care: A Survey", Int. J. of Recent Trends in Engineering & Technology (ACEEE), ISSN 2158-5563, vol. 11, June 2014, pp. 595-601.

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43. Bhagyashri. R. Hanji, Rajashree Shettar, "Simulation based Comparative Study of MANET Routing Protocols", International Journal of Computer Applications vol.92, (16), ISSN 0975-8887, April 2014, pp. 35-41.

44. Dr. Rajashree Shettar and Bhimasen V Purohit, "Data Mining Approaches for Pollution Management", SPC ERA International Journal of Science, Technology and Engineering, ISSN: 2349-3046, vol. 1, (1), March 2014, pp. 73-77.

45. Dr. Rajashree Shettar, "Vortal, an Intelligent Search Engine for Sports and Technology Domain", SPC ERA International Journal of Science, Technology and Engineering,, ISSN: 2349-3046, vol. 1, (1), March 2014, pp. 14-15.

46. Poonam Ghuli and Rajashree Shettar "A Novel Approach to Implement a Shopping Agent on a Scalable Web Crawler", International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), ISSN: 2278-1021, vol. 3, (1), Jan 2014, pp 5326-5330.

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50. Shruti V Kamath, Mayank Darbari and Rajashree Shettar, "Content Based Indexing and Retrieval from Vehicle Surveillance Videos Using Optical Flow Method," International Journal of Scientific Research (IJSR), ISSN 2277-8179, vol.2, (4), April 2013, pp 96-98.

51. Shruti V Kamath, Mayank Darbari and Rajashree Shettar, "Content Based Indexing and Retrieval from Vehicle Surveillance Videos Using Gaussian Mixture Model," International Journal of Computer Engineering and Technology (IJCET), © IAEME, ISSN 0976-6367(Print), vol.4, (1), February 2013, pp 420-429.

52. Bhaskar Joshi, F. Mohammed Rizwan, Dr. Rajashree Shettar, "Microcontroller Pin Configuration Tool," International Journal on Computer Science and Engineering (IJCSE), ISSN: 0975-3397, vol. 4, (5), May 2012, pp. 886-891.

53. Bhagyashri. R. Hanji, Rajashree Shettar, "Survey on QoS Routing protocols challenges and recent advances in MANETs", Online International Journal of Computing Technologies, vol.2, (1), ISSN 2278 – 3814, June 2012, pp. 886-89.

54. Aditi Todi , Anahita Agrawal , Ankit Taparia , Nikhlesh Lakhmani and Dr. Rajashree Shettar, "Classification Of E-Commerce Data Using Data Mining," International Journal of Engineering Science and Advanced Technology ISSN: 2250-3676, vol. 2, (3), May 2012 pp. 550-554.

55. Aditi Todi , Anahita Agrawal , Ankit Taparia , Nikhlesh Lakhmani and Dr. Rajashree Shettar, "Classification Of E-Commerce Data Using Data Mining," International Journal of Engineering Science and Advanced Technology ISSN: 2250-3676, vol. 2, (3), May 2012 pp. 550-554.

56. Rajashree Shettar, "Sequential Pattern Mining from Web Log Data," International Journal of Engineering Science and Advanced Technology ISSN: 2250-3676, vol. 2, (2), March 2012, pp. 204-208.

57. Dayananda P and Dr. Rajashree Shettar, "Survey on Information Retrieval in Semi- structured Data," International Journal of Computer Applications (0975 – 8887), ISBN: 978-93-80865-21-9, vol. 32, (8), October 2011, pp. 1-5.

58. Rajashree Shettar, "Sentiment Extraction and Analysis of Product Reviews at Sentence Level," CiiT International Journal of Data Mining and Knowledge Engineering, vol.3, (12), September 2011, pp. 761-766.

59. Rajashree Shettar and Dr. Shobha G, "Finding Frequent Structures in Semistructured Data," International Journal of Research and Surveys, ISSN 1881-803X, vol.3, (2), June 2009, pp. 135-140.

60. Rajashree Shettar, Dr. Shobha G and Rakshitha Iyer, "MedSearch: A Vertical Search Engine," International Journal of Computer Science and Engineering Systems, ISSN: 0973-4406, vol. 3, no.2, pp.71-76, April 2009.

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62. Rajashree Shettar and Dr. Shobha G, "Survey on Semi-structured Data," International Journal of Computer Science and Network Security, ISSN 1738-7906, vol.7, (8), August 2007, pp. 226-231.

Conference Papers

1. K Dheemonth, Ujwal P, Rollin John Fernandes, Madhvesh Acharya M, Rajashree Shettar, Sujata D Badiger, Sourabh Tiwari, Rashmi T S and Prashant Khaitan, "Travel Assist: Resolution of Travel Queries using Advanced Natural Language Processing for India," *2024 1st International Conference on Communications and Computer Science (InCCCS)*, Bangalore, India, 23 July 2024, pp. 1-5, DOI: 10.1109/InCCCS60947.2024.10593579.

2. S. Deshpande and R. Shettar, "Hand Gesture Recognition Using MediaPipe and CNN for Indian Sign Language and Conversion to Speech Format for Indian Regional Languages," 02-04 November 2023, 7th International Conference on Computation System and Information *Technology for Sustainable Solutions (CSITSS)*, Bangalore, India, 2023, pp. 1-7, DOI: 10.1109/CSITSS60515.2023.10334218.

3. Natarajan A., Kannan A., Belagali V., Pai V.N., Shettar R., Ghuli P. (2022), "Spam Detection Over Call Transcript Using Deep Learning", *Proceedings of the Future Technologies Conference (FTC)* 2021, LNNS 0000002, held in Vancouver, Canada on October 28-29, 2021, pp. 1–13, 2022. https://doi.org/10.1007/978-3-030-89880-9_10

4. Rohith R, Saksham Lakhera, Premal Singh, Prof. Rajashree Shettar, "Real time call analysis system for natural disasters using sentimental analysis and key phrase extraction", Proceedings *of International Conference on Engineering and Technology (ICET 20) held* by ARDA International Conference, Singapore on 9th April 2020, pp. 53-56.

5. Yukti Sharma, Rikku Veliyambara and Rajashree Shettar, "Hybrid Classifier for Identification of Heart Disease", *Proceedings of 4th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS)* held at RV College of Engineering, Bengaluru, Karnataka, India, 20-21 Dec. 2019, pp. 93-95, **DOI:** 10.1109/CSITSS47250.2019.9031037

6. Bhagyashri R Hanji and Rajashree Shettar, "Stable Reduced Link Break Routing Technique in Mobile Ad Hoc Network", *Proceedings of Second International Conference on Advances in Computing and Data Science (ICACDS 2018)*, CCIS Vol. 905 held at Uttaranchal University, Dehradun, India, April 20-21, 2018, pp. 74-83, DOI: 10.1007/978-981-13-1810-8_8

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9. Abhishek Kumar Tiwari and Rajashree Shettar, "Design of Architecture for Monitoring Virtual Machine Parameters", *Proceedings of 2016 International Conference on Computational Systems and Information Systems for Sustainable Solutions (CSITSS)* held at RV College of Engineering, Bengaluru, Karnataka, India, 06-08 Oct. 2016, pp. 121-124. **DOI:** 10.1109/CSITSS.2016.7779407

10. Bhagyashri. R. Hanji and Rajashree Shettar, "Enhanced AODV Multipath Routing Based on Node Location," *Proceedings of 2016 International Conference on Computational Systems and Information Systems for Sustainable Solutions (CSITSS)* held at RV College of Engineering, Bengaluru, Karnataka, India, 06-08 Oct. 2016, pp. 158-162. **DOI:** 10.1109/CSITSS.2016.7779415

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20. Poonam Ghuli, Rajashree Shettar, "Scaling up detection of similar contents using Mapreduce framework", *Proceedings of Fifth International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom 2013)*, Bangalore, Elsevier September 2013, pp 195-200.

21. Rajashree Shettar, Shruti V Kamath , Mayank Darbari, "A Real Time Traffic Analysis System using Computer Vision," *Proceedings of Third International Conference on Computational Intelligence and Information Technology (CIIT 2013)*, Mumbai, Elsevier October 2013, pp. 290-294. Citations-01

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24. Suresh G and Dr. Rajashree Shettar, "Network Management and Software Architecture: A Comparative analysis," *Proceedings of International Conference on Information Technology, Electronics and Communications*, Bangalore, vol. 1, March 2012, pp. 157-162.

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29. Rajashree Shettar and Dr. Shobha G, "Web Crawler on Client machine," *Proceeding of International MultiConference of Engineers and Computer Scientists*, Hong Kong, vol.2, March 2008, pp. 1121-1124.

Books/Book Chapters

1. Co-authored book chapter titled: "Spam Detection Over Call Transcript Using Deep Learning". In: Arai K. (eds) *Proceedings of the Future Technologies Conference (FTC)* November 2021, Volume 2, pp 138-150. Lecture Notes in Networks and Systems (LNNS), vol.359, Springer, Cham, ISBN: 978-3-030-89879-3, https://doi.org/10.1007/978-3-030-89880-9_10.

2. Co-authored book chapter titled: "Stable Reduced Link Break Routing Technique in Mobile Ad Hoc Network" for the book titled "Advances in Computing and Data Sciences", part of Communications in Computer and Information Science book series (M. Singh et al. (Eds.): ICACDS 2018, CCIS, volume 905), DOI: https://doi.org/10.1007/978-981-13-1810-8_8 Publisher: Springer Nature Singapore Pvt. Ltd. 2018, Pages 74-83, April 2018

3. Co-authored book chapter titled: "Virtual Supercomputer Using Volunteer Computing" for the book titled "Design and Use of Virtualization Technology in Cloud Computing", ISBN13: 9781522527855, Publisher: IGI Global, Pages 115-139, August 2017.

4. Co-authored book chapter titled: "Realization of Optimized Clustering Algorithm on RHadoop" for the book titled "NoSQL: Database for Storage and Retrieval of Data in Cloud", ISBN-10: B072BZ5D4T, Publisher: CRC Press, Taylor & Francis Group, 2017. https://bookshelf.vitalsource.com/#/books/9781351651622

5. Published book titled : Sequential Pattern Mining from Web Log Data: Concepts, Techniques and Applications of Web Usage Mining ISBN: 3659135410 ISBN-13: 9783659135415, Publisher: LAP LAMBERT Academic Publishing, Publishing Date: 2012-06-08, Number of Pages: 64, Language: English.

6. Published article titled: "Sustainable Approaches for Time-Critical Surveillance Applications" authored by Rajashree Shettar, Mohit Shrivastava and Chaitra R in CSI Communications, Knowledge Digest for IT Community, Vol. 39 (11), February 2016, pp. 30 – 32.

R & Grants & Consultancy Projects

Completed Research Projects

- **Project Title:** Real Time Traffic Signal Control Based on Adaptive Neuro-Fuzzy logic for Surveillance Videos
- **Funding Agency**: Vision Group on Science and Technology (VGST), Department of Information Technology, Biotechnology & Science & Technology, Government of Karnataka under Centers of Innovative Science & Engineering Education (CISEE) scheme
- **Duration**: 2015-16, 2017-18, and 2020-21
- **Role**: Principal Investigator (PI)

Completed Consultancy Projects

- **Project Title:** Train Flight Enquiry Capsule
- **Funding Agency**: M/s Samsung Research Institute, B'lore (SRIB)
- **Duration**: Jan 2023 to Aug 2023
- **Role**: Principal Investigator (PI)

- **Project Title:** AI, ML | Utterance Recommendation System in Bixby
- **Funding Agency**: M/s Samsung Research Institute, B'lore (SRIB)
- **Duration**: June 2021 to Jan 2022
- **Role**: Principal Investigator (PI)

- **Project Title:** Answer by Bixby - SPAM Detection
- **Funding Agency**: M/s Samsung Research Institute, B'lore (SRIB)
- **Duration**: August 2019 to Jan 2020
- **Role**: Principal Investigator (PI)

- **Project Title:** RV-AI Hackathon
- **Funding Agency**: M/s Boeing
- **Duration**: 2023-24
- **Role**: Principal Investigator (PI)

- **Project Title: Development of Smart Contract using Blockchain Network to find the Stock of every Stock Keeping Unit with Vendors to issue the Estimated Delivery Date to Customers**
- **Funding Agency**: M/s Dimension64 Consulting Private Ltd.
- **Duration**: 2022-23
- **Role**: Principal Investigator (PI)

- **Project Title: Prototyping the IEEE 802.15.4 MAC Protocol for Modelling and Analysis of WBAN**
- **Funding Agency**: M/s Nihon Communication Solutions Pvt. Ltd.
- **Duration**: 2016-17
- **Role**: Principal Investigator (PI)

- **Project Title: Lawful VoIP Surveillance Using Deep Packet Inspection**
- **Funding Agency**: M/s Nihon Communication Solutions Pvt. Ltd.
- **Duration**: 2015-16
- **Role**: Principal Investigator (PI)

- **Project Title: A Novel Threat Detection using Deep Packet Inspection for Wire Speed Network**
- **Funding Agency**: M/s Nihon Communication Solutions Pvt. Ltd.
- **Duration**: 2014-15
- **Role**: Principal Investigator (PI)

- **Project Title:** BOINC software application testing.
- **Funding Agency**: M/s Gridoctane
- **Duration**: 2014-15
- **Role**: Principal Investigator (PI)

Professional Memberships

- Senior IEEE Member
- Life Member of Indian Society for Technical Education (ISTE)
- Life Member of Computer Society of India (CSI), Bangalore Chapter
- Life Member of International Association of Engineers (IAENG)

Awards & Recognitions

- Achievement: Coordinator for Intel Unnati Industrial Training Program
- Details: Initiated and coordinated students' projects from Intel
- Year: 2023-2024

- Achievement: Certificate of Excellence
- Details: Received from M/s Samsung Company for mentoring students in SAMSUNG PRISM worklet – 'Train Flight Enquiry Capsule'.
- Year: June Jan 2023 to Aug 2023

- Achievement: Certificate of Excellence
- Details: Received from M/s Samsung Company for mentoring students in SAMSUNG PRISM worklet – 'AI, ML | Utterance Recommendation System in Bixby'.
- Year: June 2021 to Jan 2022

- Achievement: Certificate of Excellence

- Details: Received from M/s Samsung Company for mentoring students in SAMSUNG PRISM worklet – 'Answer by Bixby - SPAM Detection'.
- Year: August 2019 to Jan 2020

Student Supervision

- **Ph.D. Candidates:** 03 Ph.Ds awarded
- **M.Tech Students:** 35 students
- **Undergraduate Research Mentees:** 80 students

Professional Roles

- **Technical Committee Member for IT Infrastructure:** Verification of Technical documents for E-Procurement/Purchase of Equipment for Karnataka State Open University (KSOU), Mukhtagangotri, Mysuru, Karnataka – 570006.
- **Program Committee Member:** M/s Machine Intelligence Research Lab for the 12th Innovations in Bio-Inspired Computing and Applications (IBICA'21) Conference 16-17 December, 2021.
- **Program Chair:** International Conference on "Computational Systems and Information Technology for Sustainable Solution" (CSITSS) during 2017, 2018, 2019.
- **Technical Chair:** International Conference on "Computational Systems and Information Systems for Sustainable Solutions" (CSITSS), Oct. 2016
- **Advisory Committee Member:**
  (1) 4th International Conference on ICT in Business Industry Government Indore, Madhya Pradesh, India held on 13-14 December 2024.
  (2) 3rd International Conference on Data Science and Bigdata Analytics (IDBA-ACMWIR-2023), Sri Aurobindo Institute of Technology Indore, India held on 16-17 June 2023.

- **National Advisory Committee Member:** IEEE International Advances Computing Conference (IACC 2015) organized by BMS College of Engineering, Bangalore held during 12th – 13th June, 2015.

Teaching

Core Courses:

- Advanced Data Structures
- Natural Language Processing
- Software Engineering
- Information Storage Management
- Object Oriented Analysis and Design using UML
- Multimedia Computing
- Operating Systems

Advanced/Lab Courses:

- Advanced Data Structures

- Object Oriented programming using C++

Professional Roles

1. Executed the role of Associate Dean from 1.03.2012 to 1.07.2019 (7 years 4 months) at RVCE.
2. Executed the role of Dean PG and Research (Circuit Programs) from 1.8.2019 to 15.01.2025 (5 years 5 months 15 days) at RVCE.
3. Executed the role of BoE Chairman from 2019 to 2025 (6 years).

Responsibilities

- **Academic:** BoS member, Program Coordinator - NBA, NAAC, etc.
- **Administrative:** BoE member, Curriculum revision for UG and PG.

External Connect

- **Member of BoE:** BMSCE, MSRIT.