

Dr. JAYASIMHA S.R M.C.A., M.Tech, PhD 8904200327 jayasimha.sr@gmail.com , jayasimhasr@jssateb.ac.in	
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GENERAL INFORMATION

1.	Name (in Block Letters):	Dr. JAYASIMHA S R
2.	Father's / Spouse's Name:	RAJAKUMAR S A
3.	Date of Birth: 19/05/1988	4. Gender: MALE
5.	Address for correspondence: Religion & Caste:	#488, SONDEKOPPA, TAVAREKERE(VIA), BANGALORE NORTH 562130, HINDHU & SADARU (LINGAYATH)
6.	Telephone/Mobile No: 8904200327	7. E-mail: jayasimha.sr@gmail.com ,
8.	Google Scholar ID: 1vGARCAAAAAJ	9. Scopus ID: 57201049516

10. ACADEMIC QUALIFICATIONS

Degree	Name of University	Year of Passing/Date of award	Percent age of marks	Division Class / Grade	Subject/ Title of thesis
B. E/BCA	Bangalore University	2008	70%	First Class	
M.E / M.Tech /MCA	VTU	2012	80%	First Class with Distinction	
Ph.D	VTU	2020		Awarded	Development of an Energy Efficient Algorithms for Cloud Environment
Others	M.Tech	2014	70%	First Class	

11. DETAILS OF WORK EXPERIENCE

Sl. No.	Designation	Institution / Organization / Name of the Employer	Period of Service		
			From	To	Total Period (years)
1.	Associate Professor	JSS Academy of Technical Education Bengaluru	3 rd August 2024	Till Date	02.01
2.	Assistant Professor	RV College of Engineering	20 th May 2013	2 nd August	11.02

				2024	
3.	Lecturer	Sambhram Institute of Technology	30 th July 2012	20 th May 2013	00.10

12. RESEARCH EXPERIENCE

International Journal

2025-2026

1. Published a paper TITLE “A Lightweight Deep Learning Framework for Real-Time Predictive Analytics in Edge Computing Environments” in **SN Computer Science, A Springer Nature Journal, (Q2)**, in April 2026.
2. Published a paper TITLE “Brain Tumor Detection in MRI Images Using Fast Quantum-Graph Diffusion Convolutional Neural Network with Dollmaker Optimization Algorithm” in **International Journal of Image and Graphics , World Scientific Publishing Company, (Q3)**, in June 2026.
3. Published a paper TITLE “Advanced AI for Liver Cancer Detection: Vision Transformers, XAI and Contrastive Learning” in, **(IJACSA) International Journal of Advanced Computer Science and Applications,(Q3)**, 2025.
4. Presented paper TITLE “Hybrid Machine Learning Framework for Burnout and Retention Modeling in Urban Indian IT Employees” paper **published in Springer Nature Link (Q4) in 2025.**

2024-2025

1. **Jayasimha S R** – “*A Radiomics-based Framework for Liver Cancer Analysis using Explainable Artificial Intelligence (XAI) Methods*”, **Engineering Technology and Applied Science Research**, Vol. 15(3), pp. 24098–24103, 2025 **(Q2)**.
2. **Jayasimha S R** – “*Interpretable AI for Liver Cancer Detection: Cascaded CNN & GLCM Integration*”, **Engineering Technology and Applied Science Research**, Vol. 15(2), pp. 21243–21248, 2025 **(Q2)**.
3. **Jayasimha S R** – “*Mobile Agent Communication in the Cloud Data Center*”, **Journal of Computational Analysis and Applications**, Vol. 33, No. 7, pp. 137–144, October 2024. ISSN: 1572-9206.
4. **Jayasimha S R**,– “*Automated Application Development using Kubernetes in Cloud*”, **Library Progress International**, Vol. 44, No. 3, pp. 3443–3450, September 2024. ISSN: 0970-1052.

Till 2024

5. Jayasimha SR, et.al., “**Android Application Development: Working on Native and Progressive Web Application**”, Grenze International Journal of Engineering and Technology, June Issue, Grenze ID: 01.GIJET.10.2.504_3, © Grenze Scientific Society, 2024, PP 471-476.

6. Jayasimha SR, et.al. "Implications of COVID 19 on Indians: A Perspective", Gradiiva Review Journal, Volume 9, Issue 1, 2023, ISSN NO : 0363-8057, pp 35-41, DOI:10.37897.GRJ.2022.V8I12.22.50624 ,
7. Divya TL, Chandrani C, Saravanan C, Savita S, Jayasimha SR, published a paper titled "Study On The Various Software Application Design And Testing Strategies For Development of Good Quality Software", International Journal Of Creative Research Thoughts - IJCRT (IJCRT.ORG), 10,ISSN: 2320-2882, Issue 5, May 2022 | ISSN: 2320-2882, 641-645,
8. Jayasimha and Usha J published a paper title " Modified Best Fit Decreasing Method for optimum Power Consumption in Cloud Data Centers" in RVJSTEAM in Vol. No 2, Issue . 2, July 2021, PP 67-76.
9. S. R. Jayasimha, J. Usha, and S. G. Srivani Iyengar "Analysis of Energy Efficient Load Balancing of Virtual Machine in Cloud Environment" published in Journal of Computational and Theoretical Nanoscience, Vol. 17, ISSN: 1546-1955, pp 4073–4077, 2020
10. Jayasimha S R, Usha J and Srivani Iyengar S G, "A Comprehensive review of Energy Efficiency in Cloud Computing Environment" in International Journal of Engineering and Technology UAE (Scopus Indexed) Journal Vol 7. No.3.29 , 2018.
11. S. R. Jayasimha, Usha.J and S. G. Srivani, "Minimizing Power Consumption and Improve the Quality of Service in the Data Center", Indian Journal of Science and Technology (Scopus Indexed Journal) DOI: 10.17485/ijst/2016/v9i43/104389, November 2016 ISSN (Print) 0974-6846 ISSN (Online): 0974-5645
12. Jayasimha S.R, Narasimha Prasad D, Hamsa K, Dr. Sumithra Devi K.A, "Prevention of Data from the Data Leakage in Cloud Computing" at International Journal of Recent Advance in Science and Engineering (IJRASE), a wing of (ISRASE) First International Conference on Recent Advances in Science and Engineering, on 30th October 2014 at Bengaluru (Trinity Hotel) ISBN: 978-93-83083-89-3
13. Jayasimha S.R, Anusha S, Hamsa K, "Minimizing Latency in Cluster with Cloud Computing" Paper Published in International Journal of Research in Engineering & Technology (IJRET) Vol. 1, Issue 2, July 2013, 105-110
14. "An effective usage of cloud application deployment in mobile computing environment." (2020). (ISSN-2349-5162) 2020 JETIR May 2020, Volume 7, Issue 5 PP 214-220.
15. "An Overview of Event-Driven Architecture of spinnaker System" published in IJIRCCE, Volume 9, Issue 5, May 2021, e-ISSN: 2320-9801, p-ISSN: 2320-9798, **DOI: 10.15680/IJIRCCE.2021.0905079**
16. "Mailbox Management to Auto Sort and Process Inbound Reports and Classify Documents" published in IJIRCCE, Volume 9, Issue 5, May 2021, e-ISSN: 2320-9801, p-ISSN: 2320-9798, **DOI: 10.15680/IJIRCCE.2021.0905081**
17. "Implementation of Energy Efficient Load Balancing in Cloud Environment" published in IJIRCCE, Volume 9, Issue 5, May 2021, e-ISSN: 2320-9801, p-ISSN: 2320-9798, **DOI: 10.15680/IJIRCCE.2021.0905085**
18. "Development of Standalone Application using Electron Framework" published in Journal of Current Research in Engineering and Science, Bi-Annual Online Journal (ISSN: 2581-611X), Volume 7- Issue 1, January 2024, PP 1- 7.
19. "Enhancing Real-Time Data Management through Software Architecture Development", Journal of Current Research in Engineering and Science, Bi-Annual Online Journal (ISSN: 2581-611X), Volume 7- Issue 1, January 2024, PP 1- 10.
20. "An efficient file system with Multi-Factor Authentication using Cryptography" International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, Issue 6, | Impact Factor 7.105 | ISO 3297:2007 Certified, ISSN (O) 2393-8021, ISSN (P) 2394-1588, June 2022, PP 665-668.
21. "Study on the various software application design and testing strategies for development of good quality software" Published In IJCRT (www.ijcrt.org) & 7.97 Impact Factor by Google Scholar Volume 10 Issue 5 May 2022 ,ISSN: 2320 – 2882.

22. "Telemetry Based Anomaly Detection and Correlation in Data Center" published in 'International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277-3878 (Online), Volume-9 Issue-1, May 2020. Page No.:2146-2148.
23. "Monitoring of Cloud Resources through Dashboard" published in 'International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277-3878 (Online), Volume-9 Issue-1, May 2020. Page No.:2053-2056.
24. "Data Cleaning in Cloud Platform" published in 'International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277-3878 (Online), Volume-9 Issue-1, May 2020. Page No.:2535-2539.
25. "Detection of Phishing Attacks using Content Analysis in the Cloud" published in 'International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277-3878 (Online), Volume-9 Issue-1, May 2020. Page No.:2622-2625.
26. "Network Device Inventory Management System published in 'International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277- 3878 (Online), Volume-9 Issue-1, May 2020. Page No.:2287-2290.

International Conferences:

2025-2026

1. Presented paper TITLE "A Machine Learning–Driven Framework for Phishing Attack Detection and Mitigation Strategies" in ICASET 2026 conference which held at Chennai in March 2026. Paper published in the conference proceedings.
2. Presented a paper TITLE "Stock Price Movements Predictions Using Deep Learning" at **IEEE** international Conference hosted by JSSATEB on February 2026.

2024-2025

1. **Jayasimha S R** – "*Spilled Deep Capsule Neural Network with Skill Optimization Algorithm for Breast Cancer Recognition in Mammograms*", presented at the **2025 International Conference on Inventive Computation Technologies (ICICT), (Scopus Indexed)** 23 April 2025.

DOI: 10.1109/icict64420.2025.11004784.

Till 2024

2. Presented a paper title" Android Application Development: Working on Native and Progress Web Application" in Thirteenth International Conference on Advances in Computer Science and Application – CSA 2024.
3. Jayasimha S R, Usha J and Srivani S G, "Efficient Power Management using Fuzzy Logic for Cloud Computing Environment" in 3rd IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions CSITSS 2018 Jointly Organized by Department of MCA, CSE, ISE, R V College of Engineering, Bengaluru from 20th to 22nd December 2018 page number 35 to 40
4. Usha J, Jayasimha S.R, Srivani S G, "Automata Approach to Reduce Power Consumption in Smart Grid Cloud Data Center", in Third International Conference on Cognitive Computing and Information Processing" December 15-16, 2017
5. Jayasimha S.R, Dr. Usha J and Dr. Srivani S.G, "Analysis of Power Consumption under Different Workload Conditions in the Data Center" in IEEE Sponsored 3rd International Conference on

- Electronics and Communications (ICECS 2016) on 26th February 2016 conducted by the Department of Electronics and Telecommunication Engineering, Karpagam College of Engineering, Coimbatore ISBN: 978-1-4673-7832-1/16/\$31.00©2016 IEEE, pp:1036-1040
6. Jayasimha S.R, Sumithra Devi K.A, Shivacharan C, Suhail, presented a paper “Nuclear Energy Conservation and Sustainable Development” in 7th International Congress of Environmental Research (ICER-14) on 28th December 2014 at R.V. College of Engineering, Bangalore, Paper Id- T493, pp 656
 7. Jayasimha S.R, Sumithra Devi K.A, Hamsa K, “A Survey on Efficient Broadcast, Geocasting and Scalability Recital in MANET’S” Paper Presented in International Conference held at HKBK College of Engineering, Icon RFW 14, on 10th May 2014 Bangalore

Book/Book Chapter Publications

1. **Jayasimha S R – *Energy Efficient Algorithms: Cloud Approach***
Publisher: Lambert Academic Publishing (LAP)
ISBN: 978-620-8-06514-0
Agreement Received: 4 September 2024
2. Jayasimha S R published a book chapter title “Development of a location tracker app for a patient tracking system” book title” IoT and Cloud Computing-Based Healthcare Information Systems” Apple Academic Press, 2023. PP129-141.
3. Jayasimha S R served as Editor Member of book title: "Advances in Industry 4.0 concepts and Applications" publisher: DE GRUYTER, ISBN 978-3-11-072536-0 ISSN: 2700-6239 on 2022
4. Jayasimha S R published book title "Analysis and Design of Algorithms" , published by LAP LAMBERT Academic Publishing, International Book Market Service Ltd. (E-Publication) , ISBN-978-613-9-93396-9 on 2019.
5. Jayasimha S R, Dr. Usha J and Dr. S G Srivani, published a book chapter titled “Design and use of virtualization technology in cloud computing”, D-Book Interline publishing on April 2017.

National Conferences:

1. Dr. Jayasimha S R, and Dr. Usha J presented a paper title “ Development of Cloud Applications through Location Tracker for Healthcare” organized AICTE sponsored National Conference on Critical Thinking for GenZ-Multidisciplinary Approach (CTGZMA) in Association with ISTE, New Delhi, during 28 - 29 October 2021 organized by department of MCA, RVCE.
2. Jayasimha S.R, Kumaraswamy K.S, UmaShankari S, Dr. Sumithra Devi K.A, presented a paper titled "Cloud Performance Measure on Virtual Environment" in International E - Publication Third National Conference on advances in modern computing and application Trends (TECHMAN-14) on 5th December 2014 at Acharya Institute of Technology, Bangalore, ISBN: 978-93-84648-45-9 Paper Id- 23, pp 75-79
3. Jayasimha S.R, Hamsa K, "Packets Performance in Sockets" at National Conference on Wireless, Signal Processing and Embedded Systems on 21st & 22nd of June-2013 at BMSCE, (WiSE-2013) Bangalore PP 73-76
4. Jayasimha S.R, Srinivasan Rao T "The Future Development of Women's Role in Statistical Education" Paper Presented in International Conference on Role of women in achieving a sustainable future an economic perspective held at SRN Adarsh College on March 15th 2013 , Bangalore
5. Jayasimha S.R, Hamsa K, "Data Storage in Cluster Cloud Computing" Paper Presented at National Conference on Information Advanced in Computer Application on 17th & 18th of May 2013 at SSIT, (NCACA-13) Tumkur PP 89-94
6. Jayasimha S.R, Hamsa K, "Service Provide in Multi-Cloud Computing" Paper Presented at National Conference on information and communication technology on 28th March 2013 in New Horizon College of Engineering (NCICT-13) Bangalore, PP 5
7. Jayasimha S.R, Hamsa K, Prathibha S.B, "IT Enabled Platforms with Cloud Computing" Paper Presented at 2nd National Conference on Recent advances in technology and Engineering on 27th of March 2013 in T-John Institute of Technology(RATE-13) Bangalore, PP 4
8. Jayasimha S.R, Hamsa K, "Security and dependable services in Cloud Computing" Paper Presented at National Conference on Emerging Trends in Engineering and Management Research on 1st and 2nd March 2013 in PES Institute of Technology & Management, (ETEM – 13) Shivamoga, PP 43
9. Jayasimha S.R, Hamsa K, Venkatesh, "Challenges And Security Issues of Cloud Computing" Presented at National Conference on Convergences & Cross-Currents in Management & Information Technology on Feb 2013 Organized by SFGC Bangalore, PP 107-112
10. Jayasimha S.R, Krupa Rani, Srinivas Rao T "Oriented view of Cloud Platforms" Paper Presented at the National Conference on Emerging Trends in ICT & Management , IT Enabled Education in Engineering and Management Research on 7th and 8th of September 2012 in Acharya Institute of Technology, (TECHMAN-12) Bangalore, PP 9-13
11. Jayasimha S.R, Srinivas Rao T, "Cloud Computing with Wireless Devices" Paper Presented at the National Conference on Emerging Trends in ICT & Management , IT Enabled Education in Engineering and Management Research on 7th and 8th of September 2012 in Acharya Institute of Technology, (TECHMAN-12) Bangalore, PP 34-39
12. Jayasimha S.R, Srinivas Rao T, Hamsa K, "Cloud Computing for Mobile World" Paper Presented at National Conference on Computer Communication and Advanced Computing(NCCCCAC-2012) on 24th & 25th of August 2012 Bangalore, organized by Department of Computer science & Engineering, Sambhram Institute of Technology Bangalore-97, PP 108-113
13. Jayasimha S.R, "Cloud Computing and Relevance Impact" Presented at National Conference on Convergences & Cross-Currents in Management & Information Technology on Feb 2012 Organized by SFGC Bangalore, PP 75-78

14. Jayasimha S.R, Hamsa K, "Knowledge economy" Paper presented at National Conference on "Knowledge Economy paradigm-panacea for Organization's high Performance" held on 3rd March 2012 Organized by Soundarya Institute of Management and Science Bangalore
15. Jayasimha S.R,"Enterprise Resource Planning" Paper presented in National Conference on "Software project design" (PROSEM – 2012) held on 02 June 2012 at Acharya Institute of Technology, Bangalore

Research Funding Submissions

2025-2026

1. Co-Principal investigator submitted proposal to NATIONAL BOARD FOR HIGHER MATHEMATICS, Government of India with the TITLE “Mathematical Frameworks for Intelligent Healthcare Systems through Modelling, Optimization and Explainable Artificial Intelligence for Reliable Healthcare Decision Support and Societal Well-Being“ worth Rs. 30,50,500 Lakhs on june 2026.
2. Co-Principal investigator submitted proposal to NATIONAL BOARD FOR HIGHER MATHEMATICS, Government of India TITLE “International Conference on Mathematical Innovations of Artificial Intelligence and Machine Learning for Sustainable Development worth Rs. 9.25 Lakhs on june 2026.
3. Co-Principal investigator submitted proposal TITLE “Integrated Smart Cold Storage Framework for Efficient and Sustainable Post-Harvest Operations” worth Rs. 41.77 Lakhs for the academic year 2025-2026 for VGST.
4. Co-Principal investigator submitted proposal TITLE “**Centre for Scalable AI and Cloud Infrastructure for Healthcare Applications**”, **Karnataka Fund for Infrastructure Strengthening in Science & Technology (K-FIST L2)**, VRN/000847/25-26, worth Rs. 30 Lakhs for the academic year 2025-2026.

2024-2025

1. **IoT Innovation Hub for Skill Development and AI-Based Research**
 - Submitted under VTU Seed Money funding, targeting the establishment of an innovation facility at a budget of ₹2,80,000.
2. **Advanced Research Project in Computer Applications**
 - Submitted under AICTE- RPS (Research Project Scheme) with an estimated budget of ₹41.14 lakhs to foster high-impact, advanced research.

Till 2023

3. Team Member towards the completion of IEEE HTB | IEEE SIGHT Funded Project during 2023 IEEE Humanitarian Technologies Board humanitarian technology and sustainable development funded project, “**Awareness Creation and Detection of Vector Borne Disease -Dengue for Public Health**” worth \$5000.

Short Term Course and Training Programme Attended

2025-2026

1. Attended Five days FDP on **"Adopting AI Tools to Elevate Student Engagement and Learning"** conducted from 23rd to 27th March 2026, organised by the Department of CSE (AI & ML), Nagarjuna College of Engineering and Technology in association with Computer Society of India (CSI), IEEE, IQAC.
2. Attended AICTE Training And Learning (ATAL) Academy Faculty Development Program on **Integrating IoT with Full Stack Development** for Smart Solutions Organized by computer applications department IFIM COLLEGE from 18th to 23rd August 2025.
3. Attended 3-Day Workshop on **"Edge-Driven Urban Traffic Intelligence: From Data to Decisions"** held on April 9-11, 2026, organised by Cloud and Smart System Services Lab, Department of Computer Science and Engineering, National Institute of Technology Karnataka, Surathkal in collaboration with SPARC, Ministry of Education, Govt. of India.

2024-2025

Attended a one-week FDP organized by the Department of Computer Science and Engineering at JSS Science and Technology University (JSSSTU), Mysuru, from March 18 to 22, 2025.

Attended a one-week FDP jointly organized by the Department of Computer Science and Engineering and the Department of Computer Science and Engineering (Data Science) at Vardhaman College of Engineering, Hyderabad, from August 20 to 24, 2024.

Attended a one-day workshop titled "Get In-Depth Understanding of Kafka-Zookeeper Masterclass" on January 15, 2025, organized by Scaler Masterclass.

Till 2023

Cloud Infrastructure (AWS) by Dept. of CSE, JNTUK, University College of Engineering Andhra Pradesh from 21st to 25th August 2023.

One week FDP on "Amazon Web Services" BRAINOVISION SOLUTIONS INDIA PVT.LTD-AICTE from 22nd to 27th August 2022.

"IP Awareness/Training program" under national Intellectual Property Awareness Mission, organized by Government of India on 11th August 2022.

ANTIC-2021: International Conference on Advanced Network Technologies and Intelligent Computing, Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, India, December 17-18, 2021.

"Train The Trainer Program on Java Programming" conducted by Infosys Limited from 16 - 18 June 2021.

“5G Colloquium” hosted by VIIT Pune from 27 – 31 July 2021.

“Mobile Application Development” organized by AJIET, Mangaluru from 14 – 18 June 2021.

“Diversified Applications of Machine learning Algorithms” hosted by BMSIT 21 – 22 September 2021.

“Blockchain Technology & Cloud Computing using AWS” TEQIP-3 sponsored conducted by PESCE, mandya 21 – 25 January 2019.

“SELENIUM WEBDRIVER USING PYTHON” organized by the Department of Master of Computer Applications, M S Ramaiah Institute of Technology, Bangalore, 20-26 December 2020.

“PHP & Mysql” organized by IIT Bombay from 24 – 30 April 2020.

Short Term Course/Training/Workshops Programme Resource Person

2025-2026

1. Contributed as an as Resource Person for hands on session on "**Mastering cloud security with AWS: a hands on intensive workshop**", for department of ISE students at JSSATEB held on 17th 18th May 2026.
2. Invited as a resource person for 7 days FDP on “**Network & Cloud Security**” delivered one day sessions on AWS Cloud and DEVOPS at Dept. of MCA, NAVKIS College of Engineering, Hassan.
3. Contributed as an as Resource Person for hands on session on **AWS & Cloud Computing Workshop** during **Phase Shift 2025**, conducted on 19th September 2025, technical event conducted by Department of Computer Applications as a part of college techno cultural fest.

2024-2025

- **Session Speaker** – Delivered a session on “*Artificial Intelligence – Current Trends & Future Possibilities*” during the induction program at APS College, Bengaluru.
- **Resource Person** – Conducted a *Hands-on Workshop on Cloud Computing (AWS)* at RR College of Engineering, Bengaluru on **17 April 2025**.
- **Session Speaker** – Presented on “*Distributed Computing with Apache Hadoop & Cloud Security*” at the Department of CSE, ATRIA Institute of Technology, Bengaluru on **9 May 2025**.
- **Advisory Board Member** – Contributed to discussions on academic curriculum progress for the MCA Department, Acharya Institute of Technology, Bengaluru for the **Academic Year 2024–2025**.
- **Resource Person** – Led an FDP on “*Cloud Computing – Hands-on Workshop on AWS*” aligned with the VTU 5th Semester CSE curriculum from **6–8 February 2025** at JSSATEB.
- **Resource Person** – Delivered a one-day *Hands-on Workshop on Cloud Computing AWS Services* for MCA 2nd Semester students at Sri M. S. Ramaiah Navkis College of Engineering, Hassan on **28 September 2024**.

Till 2024

- Resource person for the “Workshop on Simulation of Computer Networks” conducted by TUMKUR UNIVERSITY for MCA/M.Sc Students on 6th March 2024.

- Resource person for hands-on Workshop “ Mobile Application Development” at by Sitadevi Ratanchand Nahar Adarsh College, Bengaluru on 28th June 2024.
- Fundamentals of Microsoft Azure & services and Use-Cases sessions, Internship on Cloud Technologies by Women in Cloud, Center of Excellence in India hosted by RV College of Engineering during 29th June to 17th August 2023.
- Delivered Guest Lecturing on Object Oriented Modeling & design patterns, Computer Networks at Vidya Vahini First Grade &PG College, Tumkuru during 2023.
- Session Speaker for FSDP “Cloud Computing & its Industrial Applications” organized by Dept. of CSE, Dr.TTIT, KGF, from 27th – 29th April 2023.
- Fundamentals of Microsoft Azure & services and Use-Cases sessions, Internship on Cloud Technologies by Women in Cloud, Center of Excellence in India hosted by RV College of Engineering for RVITM students during 11th to 15th June 2022.
- Resource person for hands-on Workshop “Computer Networks Lab Orientation” for faculties hosted by SINDHI College, Bengaluru from 8th – 9th December 2022.
- Delivered Expert talk on “Computer Applications with Current Technology” for Gnana Priya PU College, PU students on August 2019.

Conference/Events Coordinated

- Coordinated to Organizes Two-Day Hands-On "**Flask and Fast API Workshop**" on 27th and 29th Nov 2025 for MCA 1st Semester students.
 - Coordinated with Project Exhibition as a part of First International Conference on Intelligent Computing and Communication Systems (CICCS-25).
 - Organizing Committee member for Series of Conference conducted for every year from 2016 to 2023 Computational Systems and Information Technology for sustainable Solutions (CSITSS) organized by RV College of Engineering, Florida International University & IEEE Bangalore Section.
 - International Conference on “Artificial Intelligence and Machine Learning in Applied Biotechnology 2022” hosted by RVCE & Bioinnovation center (BBC) on 8 – 10 December 2022.
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Session Chair

2025-2026

Invited as Session Chair for Track 1: Next-Gen AI Technologies at the 1st National Conference on “Bharat Synapse@2047 – Contours of a Future-ready Bharat”, to be held on 5–6 March 2026 in hybrid mode at IFIM College.

Till 2024

National Conference on "Recent Trends of Computing Applications" organized by the Department of Master of Computer Applications, Dayananda Sagar College of Engineering (DSCE), Bengaluru on 28th July 2023.

National Conference on “Shaping the Future : Trends and Insights for Tomorrow in the field of Commerce, Management and Computer Science” organized by Sitadevi Ratanchand Nahar Adarsh College, Bengaluru on 21st December 2023.

International Conference “Mobile Networks & Wireless Communication” organized by SSIT&IEEE Bangalore section, Tumakuru on 2nd & 3rd December 2022.

Reviewer

2025-2026

1. Actively participated as reviewer for the journal Engineering, Technology & Applied Science Research (Q2), with the paper title ““An advanced XAI framework for MRI based Gliomas classification using Vision Transformer and CNN-based Approaches”.
2. Actively participated as reviewer for the BOOK “Building Resilient Systems with Zero Trust Security”

Till 2024

“The open public health journal”, the paper title “under-five mortality: comparative study of kenya and other three east African developing countries” at bms-tophj-2023-171.

“Heliyon” Elsevier recognizes reviewers, the paper title “A novel approach to control cloud center energy usage for predictability in neuro-fuzzy systems” HELIYON-D-23-51072.

“AECE-2022” International Conference sponsored by AICTE, held on 14 – 15 July 2022 being organized by Department of ECE, R.K.G.I.T, Ghaziabad, U.P., India.

“IEEE Region 10 Humanitarian Technology Conference, organized by IEEE Bangalore section during October 2021.

Advisory Board & BoE Member

Advisory Board Committee member for Department of MCA at Acharya Institute of Technology, Bengaluru during 2023 – 2024 Academic year.

Board of Examination member at The National College (Autonomous), Jayanagar, Bangalore- 70.

Consultancy

Computer networks Hands-on session workshop conducted for RV University, Bengaluru Rs.85,000/- during 2023-2024.

Low Code Developer Training & Certification program connection with (Powered by Wizergos and RV College of Engineering, Bengaluru Rs. 20,000/- during 2022-2023.

Workshop conducted on “AWS Cloud Technology” for QUAINTSOCIENCE TECHNOLOGIES PVT LTD Rs. 15,000/- during 2021-2022.

Patent Details

2025-2026

- TITLE “A METHOD, SYSTEM AND VEHICLE FOR AUTOMATED TYRE PRESSURE VERIFICATION AND REGULATION USING IMAGE” Application number: 202541114019, 19th November 2025.
- TITLE “A METHOD, SYSTEM AND BICYCLE FOR ENHANCING BICYCLE SAFETY WITH INTEGRATED MULTI-DOMAIN THREAT DETECT”, Application number: 202541108602, 9th November 2025.
- TITLE “A METHOD AND SYSTEM FOR AUTOMATED AERIAL HARVESTING OF AGRICULTURAL PRODUCTS USING DRONES”, Application number: 202541112241, 16th November 2025.

2024-2025

- **Application No.:** 202511054200 A
Title: *AI-Based Robot for Global Market Using Renko Chart*
Date of Publication: 20th June 2025
Application Status: Published
- **Application No:** 202241032957
Title: YOGA POSTURE CORRECTION SYSTEM
Date of Publication: 9th June 2022
Application Status: Published

Professional Course

Mentor for the NPTEL online certification program for the courses during July to December 2023.

“Design and Analysis of Algorithms” organized by VKIT, Bengaluru during 2021.

“Oracle Cloud Infrastructure Foundations” organized by Oracle Certified Associates during May 2020.

Technical Talks & Workshops Coordinated

- **Technical Talk – “Industry Trends Insights”**
Conducted for MCA 2nd Semester students on **8 August 2024**.
Resource Person: Mr. Abhishek B. V., Senior Security Analyst, IBM, Bengaluru.

- **Technical Talk – “Pre-Placement Preparation”**
Conducted for MCA 2nd Semester students on **13 September 2024**.
Resource Persons: Mr. Yathish L, Analyst, Eli Lilly, and Mr. Harsha K S, Automation Engineer, Apple India.
- **Two-Day Hands-on Workshop – “Java Spring Boot Applications”**
Organized for 2nd & 3rd Year AI & ML students on **13–14 September 2024**.
Resource Persons: Mr. Harsha K S, Automation Engineer, Apple, and Mr. Yathish L, Analyst, Eli Lilly.
- **One-Day Workshop – “Securing the Future: Cyber Security & Network Defense with AI Insights”**
Conducted for 5th Semester BE, AI & ML students on **28 November 2024**.
Resource Person: Mr. Abhishek V, Senior Security Engineer (L2), IBM.
- **One-Day Hands-on Workshop – “Current Industry Trends on Salesforce Cloud Technology”**
Conducted for 3rd Semester MCA students on **8 February 2025**.
Resource Person: Mr. Thippeswamy A, Assistant Vice President, MUFG Global Services.

Academic & Professional Contributions

- **Reviewer** – *African Journal of Biomedical Research* (Q4, Scopus-indexed) – Reviewed research papers on **28 November 2024**.
- **Reviewer** – *8th IEEE International Conference on Computational Systems & Information Technology for Sustainable Solutions (CSITSS)*, held **7–9 November 2024** at RV College of Engineering, Bengaluru.
- **Board of Examiners (BoE) Member** – Scrutinized PG-MCA question papers for Bangalore University on **4 October 2024**.
- **Reviewer** – *8th IEEE International Conference on Computing for Sustainability and Intelligent Future (COMPSIF 2025)*, held **21–22 March 2025** at BMSIT, Bengaluru.
- **Reviewer** – *International Conference on Smart Systems for Applications in Electrical Sciences – 2025*, held **21–22 March 2025** at SIT, Tumakuru.
- **Session Speaker** – Delivered an awareness session on “*Enrich with Online Coding Platforms for Instructors*” at JSSATEB on **25 July 2025**.

Additional Responsibilities in the college

- Serving as Nodal Officer for the Prime Minister's Special Scholarship Scheme (PMSSS) and Special Scholarship Scheme for J&K and Ladakh (SSSJKL), coordinating admissions and scholarship processing for students from Jammu & Kashmir and Ladakh.
- Managed end-to-end documentation and verification of scholarship applicants, ensuring compliance with eligibility criteria and scheme guidelines.
- Coordinated timely disbursement of scholarship funds by tracking student records, fee reimbursements, and portal updates on the National Scholarship Portal (NSP)/AICTE portal.
- Department-Level NAAC Coordinator, responsible for compiling and organizing data for institutional accreditation processes.