



Dr. YOGARAJA G S R

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Roles & Responsibilities:

- College level **NBA** Coordinator.
- **NAAC** coordinator.
- Dept. level **Magazine** Coordinator.
- **ARIIA** Coordinator.
- **CSI** Coordinator.
- **Elective** Coordinator.
- **Test** Co-ordinator.
- **Timetable** Co-ordinator.
- Class Teacher & Mentor.
- **Disciplinary** coordinator.
- One of the members in framing autonomous scheme and syllabus.
- Dept. **Tech fest** coordinator.
- Dept. level **Anti- Ragging** coordinator.
- College level **flying Squad**.
- Dept. level **Cultural** coordinator.
- Dept. level **Sports** coordinator.
- Dept level **Library** coordinator.

Synopsis:

- Presently working as Associate Professor, Assistant professor with 12 years of Experience (Data Communication, Computer Networks, Computer Organization, Big Data Analytics, Software testing and IoT).
- Delivered a talk on logic Building using C as Resource Person.
- Session Chair for 3rd IEEE International Conference on Knowledge Engineering and Communication systems.
- Have **Indian Patent** published for the project Titled as:
 - "A Dynamic Efficient Optimized Load Balanced Framework using Metaheuristic Algorithm".
- Experience in Conducting and Organizing **Workshops, Seminars, FDP Programs, and Short-term Courses** in the field of AngularJS, IOT, AI & ML and Computer Networks.
- Experience in conducting and organizing workshops, Seminars and Techfest.
- Session chair for Technical Journals like IEEE MYSURUCON and the International Conference on Artificial Intelligence and Applications (ICAIA).

Experience (13+ years)

Associate Professor-SJCIT, Dept. of ISE, Chikkaballapur 03/2025- till date

- Teaching students of B.E. and M.Tech.
- Guiding the projects for B.E. students.
- Guiding Students to Attend Technical Events and Conferences.
- Research Related Programs on Cloud, Cybersecurity and IoT.

Assistant Professor-SJCIT, Dept. of ISE, Chikkaballapur 07/ 2014-02/2025

- Teaching students of B.E.
- Guiding the projects for B.E. students.
- Guiding Students to Attend Technical Events and Conferences.

Assistant Professor-SRSIT, Dept. of CSE, Bangalore 07/ 2013-07/2014

- Teaching students of B.E.
- Guiding the projects for B.E. students.
- Guiding Students to Attend Technical Events and Conferences.

Education Details:

Education	Board	Institution	Year of Passing
Ph.D (Faculty of Computer & Information Science)	VTU Belgaum	Ramaiah Institute of Technology, Bangalore	2024
M. Tech (Digital Communication & Networking)	VTU Belgaum	PACE, Mangalore	2013
BE (Computer Science and Engineering)	VTU Belgaum	S T J I T Ranebennur.	2011

Paper Published:

- [1] A Review on Kanglish to English Text-To-Text Translator Using Natural Language Processing, International Journal of Current Engineering and Scientific Research (Ijcesr), Issn (Print): 2393-8374, (ONLINE): 2394-0697, VOLUME-9, ISSUE-6, 2022.
- [2] Implementation Of Travel Chatbot Using NLP And Python, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) (VOLUME 2, Issue 6), DOI: 10.48175/IJARSCT-5035, 2022.
- [3] Multi-Perspective Robust Deep Analysis Cyber Anomaly Detection on HDFS Log using Transformers, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) (VOLUME 2, Issue 6), DOI: 10.48175/IJARSCT-9512, 2023.
- [4] IoT-Based Wireless Sensor Network using Poaching Alarm for Trees in Forest, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 2, August 2023, DOI: 10.48175/IJARSCT-12721
- [5] Yogaraja G S R, Thippeswamy M N and Venkatesh K "An Energy-Efficient Dynamic Task Scheduling in The Cloud With R-EDF and LC-GTO Based on VM Availability Identification" in Shuju Caiji Yu Chuli/Journal of Data Acquisition and Processing, <https://sjcjycl.cn/> , 2023.
- [6] Yogaraja G S R, Thippeswamy M N and Venkatesh K, "Optimal Load Balancing Strategy-based Centralized Sensor Framework for WSN- Cloud-IoT: A Hybrid Meta-Heuristic Problem" in int. J. of Autonomous and Adaptive Communications Systems, <https://doi.org/10.1504/IJAACS.2024.138167>, 2024.
- [7] Yogaraja G S R, Thippeswamy M N and Venkatesh K, "A Literature Study and Performance Gaps on Centralized Server-based Load Balancing and Routing Strategies under Cloud-IoT-WSN" in Australian Journal of Electrical and Electronics Engineering, <https://doi.org/10.1080/1448837X.2024.2309424>, 2024.

- [8] Malicious Mobile Applications Identification and Analysis System, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 13, Issue 4, April 2024, DOI:10.15680/IJIRSET.2024.1304427.
- [9] Digital Technology to Calculate Water Footprint for Different Daily Use Items, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 13, Issue 4, April 2024, DOI: 10.15680/IJIRSET.2024.1204346
- [10] G. Yogaraja, G. M. Srinath, A. Tilagul, K. Badrinath, V. G. Naveen Kumar and A. Darshana, "IOT based Sensing and Tracking System using Thingspeak Cloud," 2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS), Chickballapur, India, 2025, pp. 1-6, DOI: 10.1109/ICKECS65700.2025.11035161.
- [11] Comprehensive Automated Document Verification System for Official Documentation, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 14, Issue 5, May 2025, DOI: 10.15680/IJIRSET.2025.1405254.
- [12] Machine Learning Model based Solution to Refine CAPTCHA, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 14, Issue 5, May 2025, DOI: 10.15680/IJIRSET.2025.1405078.

Patent Published:

Application No: 202341025100 A

Publication Date: 04/10/2024

Title of the invention: A Dynamic Efficient Optimized Load Balanced Framework using Metaheuristic Algorithm

Abstract:

Task allocation in any dematerialized architecture with different QoS in cloud computing creates a discrepancy among virtual machines which will have a huge impact on the data centre for clients. Optimization of hardware technological evolution for any IT service based on SERVICE ON DEMAND takes advantage of clients on different operating systems SaS and Infrastructures. My novelty defines classification of virtual machines with different classes mathematically allocation of task and dividing load in cloud computing into parallel virtual machines computations. The adaptation of Hybrid Metaheuristic Model will define most efficient number of virtual machine to execute the task. The best total parallel computations and best load distribution balances the queue and thereby migrating the task to other virtual machine of the working VM is overloaded or standby mode. This novelty defines our approach based on the impact of elasticity of the workload with parallel local queue migration and thereby achieving positive impact and maximization of the use of the resource

Reviewer for:

- IEEE MYSURUCON
- ICAIA (International Conference on Artificial Intelligence and Applications)
- ICKECS (3rd IEEE International Conference on Knowledge Engineering and Communication Systems).
- I4C (International Conference on Circuits, Control, Communication and Computing)

Awards/Recognition/Achievement/Certification:

- Awarded as Best paper for “COTTON LEAF DISEASE DETECTION USING ARTIFICIAL NEURAL NETWORK.” in 3rd International Conference on Advances in Computing & Information Technology (IACIT- 2021) held at REVA University Bangalore on 17-18 MaY 2021.
- Best project Award for “Bus Navigation System Effective Data”, Symposium Cum Project Exhibition on Recent Advance in Engineering Science”, association with KSTA & Govt. of Karnataka on 25th March 2019.

Faculty Development Programs:

- Participated in FDP on “Quantum Computing: Pioneering Innovations in Modern Computer Technology” held at UNIVERSITY B D T COLLEGE OF ENGINEERING (ATAL) during 9th to 14th December 2024.
- Participated in Four-week FDP Technology Entrepreneurship Development Program on “IoT, Embedded Systems & AI” held at JSSATE, Science and Technology Entrepreneurship Park, Bangalore during 4th to 29th March 2024.
- Participated in Two-week FDP on “Opportunities and Challenges in Entrepreneurship” held at JSSATE, Science and Technology Entrepreneurship Park, Bangalore during 3rd to 19th January 2024.
- Participated in Five-day online FDP on “Emerging Technologies” organized by the Department of CSE (AI & ML), Vidyavardhaka College of Engineering in association with TCS during 11th to 15th December 2023.
- Participated in Five-day online National-Level Workshop on “Deep Learning and its Applications” held at the Department of Computer Science & Engineering, Kalpataru Institute of Technology, Tiptur from 6th to 10th March 2023.
- Participated in Faculty Development Program on "Amazon Web Services" held at SVCE, Bengaluru in collaboration with BRAINOVISION SOLUTIONS INDIA PVT. LTD & AICTE from 22nd to 27th August 2022.
- Participated in Faculty Development Programme on “No Code AI” held at PRESIDENCY UNIVERSITY from 01st to 05th February 2022.
- Participated in Faculty Development Programme on “Emerging Trends in Data Analytics 2022” held at AMITY UNIVERSITY from 17th to 21st February 2022.
- Participated in E-FDP on “Unleashing Research Potential: Global Trends and Practices” held at GALGOTIAS UNIVERSITY from 7th to 11th March 2022.
- Participated in FDP on “In Pursuit of Innovation, Product Development, IPR & EDC” held at SVCE,

Bangalore from 20th to 25th January 2020.

- Participated in FDP on “Recent Innovations in Big Data Analytics” held at NMIT, Bangalore from 24th to 28th August 2020.
- Participated in FDP on “OOP with Java for DAA Lab & ARM Microcontroller Programming” held at Jyothi Institute of Technology, Bangalore from 16th to 21st January 2017.
- Participated in FDP on “Internet of Things Ecosystem” held at Jyothi Institute of Technology, Bangalore from 4th to 8th January 2016.
- Participated in International Conference on “Multi-Cloud Storage Image Control Reliability and Obliging Provable Data and Confirmation” held at Coimbatore Institute of Information Technology, CIIT-IJ-6455, vol 8 no 3 (2016).
- Participated in FDP on “Storage Area Network – Configuration and Management Simplified” held at NMAM Institute of Technology from 15th to 19th December 2014.
- Participated in National Level Technical Fest “ELECTRAMA ‘13” held at East Point College of Engineering and Technology, Bangalore on 22nd February 2013.
- Participated in National Conference “AAROHAN 2K13” held at LBS College of Engineering, Kasaragodu, Kerala on 21st March 2013.
- Participated in International Conference “ACCE-2014” held at VEMANA Institute of Technology, Bangalore on 21st April 2014.

Program Organized:

- Organized Technical Fest “iCUBE” at S J C Institute of Technology on 25th April 2025.
- Organized Arambha-2024 (Farewell) at S J C Institute of Technology on 22nd May 2024.
- Organized two days workshop on “Data Visualization with Python” at S J C Institute of Technology during 28th & 29th November 2023.
- Organized one-day workshop on “Agile Scrum Methodology” at S J C Institute of Technology on 27th November 2023.
- Organized Three Days Faculty Development Programme on “Building Dynamic Web Applications with AngularJS” at S J C Institute of Technology from 23rd to 25th November 2023.
- Organized Alumni Talk on “JAVA & SELENIUM” at S J C Institute of Technology on 29th June 2023.
- Organized Six Days FDP (Virtual Mode) on “Object Oriented Programming with Java” at S J C Institute of Technology from 28th November to 3rd December 2022.
- Organized Technical Fest “iCUBE” at S J C Institute of Technology on 6th June 2022.
- Organized Webinar on “CRYPTOCURRENCIES & BLOCKCHAIN” at S J C Institute of Technology on 19th February 2022.
- Organized Webinar on “C and DATA STRUCTURES” at S J C Institute of Technology on 17th February 2022.
- Organized Alumni Talk on “DATA SCIENCE APPLICATIONS” at S J C Institute of Technology on 12th

February 2022.

- Organized Hands-on session on “The Internet of Things and Its Protocol” at S J C Institute of Technology on 20th August 2020.
- Organized Technical Fest “iCUBE” at S J C Institute of Technology on 25th April 2025.

Areas of Interest:

- Data Communication
- Computer Networks
- Computer Organization
- Big Data Analytics.
- IoT

Teaching Skills:

- Good Communication skill and organizational ability.
- Ability to prepare assignments and deliver lectures
- Ability to provide career counselling to the students.
- Ability to maintain records of the students and create educational program for them
- Ability to collaborate well with the other staff members of the institution.
- Familiar with the curriculum and ability to complete it within the given time frame.

Academic Projects:

B.E. Project Title: Machine Learning Model Based Solution to Refine CAPTCHA

Batch: 2024–25

Software: Python, TensorFlow, OpenCV

Duration: 1 Year

Description: The project develops a machine learning model to generate and verify CAPTCHA with enhanced security and user-friendly recognition.

B.E. Project Title: Comprehensive Automated Document Verification System for Official Documentation

Batch: 2024–25

Software: Python, OCR Libraries, Flask

Duration: 1 Year

Description: This system automates verification of official documents using image processing, OCR, and backend validations to ensure accuracy and integrity.

B.E. Project Title: Digital Technology to Calculate Water Footprints for Different Daily Use Items

Batch: 2023–24

Software: Python, Web Technologies

Duration: 1 Year

Description: The system estimates water usage of various items by calculating digital water footprints based on user input and environmental datasets.

B.E. Project Title: Malicious Mobile Applications Identification and Analysis System

Batch: 2023–24

Software: Java, Android Studio, ML Libraries

Duration: 1 Year

Description: The system analyzes mobile apps and classifies them as malicious or safe using behavioral patterns and static/dynamic analysis.

B.E. Project Title: Data Driven Anomaly Detection and Event Log Profiling of SCADA Alarms

Batch: 2022–23

Software: Python, Pandas, Matplotlib

Duration: 1 Year

Description: This project uses data analytics and machine learning to detect anomalies in SCADA alarms and profile event logs to improve industrial monitoring systems.

B.E. Project Title: IoT Based Poaching Alarm System for Trees in Forest Using Wireless Sensor Network

Batch: 2022–23

Software: Arduino IDE, Embedded C

Duration: 1 Year

Description: A sensor-based IoT system to monitor tree tampering or illegal logging in forests and alert forest officials in real-time.

B.E. Project Title: Analysis of Kanglish Content Using NLP and NLU

Batch: 2021–22

Software: Python, NLTK, SpaCy

Duration: 1 Year

Description: This project processes mixed-language (Kannada + English) social media or user-generated content for sentiment analysis and text classification using NLP techniques.

B.E. Project Title: Detection of Disease in Cotton Leaf using Artificial Neural Networks

Batch: 2020–21

Software: Python, Keras, OpenCV

Duration: 1 Year

Description: The system uses image processing and deep learning to detect diseases in cotton leaves with high accuracy using trained neural networks.

B.E. Project Title: Implementation of Travel Chatbot Using NLP and Python

Batch: 2021–22

Software: Python, RASA, Flask

Duration: 1 Year

Description: A conversational chatbot that provides travel recommendations, booking support, and general guidance using natural language understanding.

Personal Profile:

Name: Yogaraja G S R.
Date of Birth: 05-05-1988.
Father Name: Shivakumarappa G S.
Mother Name: Rathna M
Nationality: Indian.
Languages: Kannada, English, Hindi, Telugu
Marital Status: Married.

References:

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Dr. Bhanumathi S
Professor & Head,
Department of Information Science & Engineering,
S J C Institute of Technology
Chickaballapura
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Email: sbhanureddy14@gmail.com

Declaration: I hereby declare that all the details given above are true to the best of my knowledge and belief.

Place: BANGALORE

Date:

YOGARAJA G S R