RESUME

No.4 V.K.V Nanjappa Gounder Nagar,
Karatumedu, Saravanampatti (po)
Coimbatore – 641 035.
e-mail: sasishrinithi.s@gmail.com
Mobile: 09943014188

Dr. SASIKALA DEVI. S MCA., M.Phil., Ph.D.

Professional Summary

A Teaching Professional with over 16 years of experience in teaching core computer science subjects. Motivate students to pursue Academic and Personal Excellence.Interested in Learning and Implementing Innovative methods and Technologies in Teaching Learning Process. Lead, Manage and Develop the Department to ensure it achieves the highest possible standards of Excellence in all its activities.

Education

- **Ph.D** in **Computer Science**, Manonmaniam Sundaranar University, Thirunelveli.
- **M. Phil Computer Science**, VLB College of Arts and Science, Bharathiar University, Coimbatore.
- **Master of Computer Applications (MCA) ,** Bharathidasan University, Tiruchirapalli.
- **B. Sc (Computer Science)**, CBM College of Arts and Science, Bharathiar University.

Work Experience : **16 years 10 Months 19 Days**

Government Arts and Science College, Mettupalayam
Guest Lecturer, Department of Computer Science

Mettupalayam,TN

- **15 Feb 2023 – till date**
    (1 year 4 months)

- Handling U.G (B.Sc CS)

PPG College of Arts andScience,
Associate Professor and Head, School of Computer Science

Coimbatore, TN

- **2 May 2018 – 14 Feb 2023**
    (4 years 11 months)

- Handled U.G (BCA, B.Sc. CS, BSc CS(AI), BSc. CS with DA) Classes

VLB Janakiammal College of Arts and Science,   **Coimbatore, TN**

Assistant Professor, Department of ITCT   **-**   **1 June 2017 – 30 April 2018**

- Handled U. G (B.Sc. IT & B.Sc. CT) Classes.   (11 Months)

CMS College of Science and Commerce,   **Coimbatore, TN**

Assistant Professor, School of Computer Science   **- 21 January 2008-31 May 2016**

- Handled U. G (BCA, B.Sc. IT, BSc CT &BSc CS)   (8 Years 4 Months)

- P.G (MSc. Software Systems and MSc. Computer Science, MCA) Classes.

Dr.S.N.S. Rajalakshmi College of Arts and Science,   **Coimbatore,TN**

Assistant Professor, Department of Computer Applications   **- 14 June 2006 -19 January 2008**

- Handled U.G (BCA) and P.G (MCA) Classes.   (1 yr 7 months)

<u>Accolades Received</u>

- Received GRABS Virtual Awards – 2021, in recognition of contribution to Teaching Titled "Best Faculty Award", organized by Tamil Nadu Association of Intellectuals and Faculty (TAIF), and GRABS Educational Charitable Trust.

- IWR Versatile Award 2021 , Award for Appreciation and Motivation "Best Faculty Award – 2021", presented by Indiaan World Records.

<u>Patent(s) Granted</u>

Patent 1: (India)

Application No. - 202141020747   Date of Filing – 07/05/2021
Publication Date – 11/06/2021

Title of Invention – System for Efficient Transportation of Medical Oxygen to COVID Patients at Home Quarantine.

Name of the Applicant and Inventor : 1) Dr.K.Dhayalini 2) Dr.N.Shanmugapriya 3) Dr.V.Kathiresan 4) Prof.S.Nithyanandh 5) Ms.B.Preethi 6) Dr.R.Kumar 7) **Dr.S.Sasikala Devi** 8) Ms.Dimple Chawla 9) Ms.Anu C.S 10) Dr.Bhavik U Swadla 11) Dr.Md.Khaja Mohiddin 12) Dr.S. Balamurugan.

Patent 2: (India)

Application No. – 202141027555   Date of Filing – June 20,2021
Publication Date – 02/07/2021

Title of Invention – Design an Energy Saving Management System Baased on Internet of Things

Name of the Applicant and Inventor: 1) **Dr.S.Sasikala Devi** 2) Ms.R.Lavanya, 3) Dr.S.S.Suganya, 4) Ms.S.Sugantha Priya, 5) Dr.M.Praveena, 6) Ms.R.Ssaranya,7) Dr.R.Maruthaveni, 8) Ms.K.Sivapriya, Dr.P.Shivaranjani,10) Dr.S.Mythili.

Patent 3: (India)

Application No. : 202211005938   Date of Filing – **04.02.2022**
Publication Date – yet to publish

Title of Invention – Customisable Data Science Educational Environment: From competences Management and Curriculum Design to Virtual Labs On-Demand.

Books Published

- "Skill it up your knowledge in Python Programming", Shanlax Publication, 2022
- "Data Science", Multispectrum Publications, 2023
- "React JS", Multispectrum Publications, 2023

Publications in International Conferences

- "An optimized approach for Multicast key Distribution" , International Conference at Hindustan College of Arts and Science, ISBN: 978-81-909890-0-8, Sep 2010.

- *"An optimized approach for Multicast Rekeying using MDS code on PFMH tree", IEEE International Conference at Tamil Nadu College of Engineering, Dec 2010, ISBN:97881 8371 362 7*

- "Cloud Computing: Threats and Security Challenges", National Seminar UGC Sponsored ISBN: 978-81-909720-4-8 at BPC College , Kerala, March 2011.

- "Reed-Solomon codes: Principles and Architecture", National Conference AICTE Sponsored at V.L.B College of Engineering and Technology, June 2011.

- "Novel Multicast Key Authentication Protocol", National Conference in association with Coimbatore Institute of Information Technology, at Dr.SNS Rajalakshmi College of Arts and Science, 28 Feb 2014. ISBN. 978-0-9894254-6-9.

- "Non-contact Screening and Temperature measurement for COVID-19 sign using Thermal Imaging techniques", IEEE International Conference on Advanced ComputingTechnologies and Applications at Sri Krishna College of Engineering and Technology, March 2022.

Journals Publications

- "An optimized approach for Multicast Rekeying using MDS code on PFMH tree", 2010 IEEE International Conference on Computational Intelligence and Computing Research, www.itfrindia.org/ICCIC/Vol2/254ICCIC

- "A Survey on Multicast rekeying for secure group communication", Int. Journal Computer Technology and Applications, ISSN:2229-6093, Vol 2 (3), 385-391, May- June 2011.

- An Optimized approach for Multicast Rekeying", IJCST Vol. 3, Issue 2, April - June 2012 ISSN : 0976-8491 (Online) | ISSN : 2229-4333 (Print)

- "Conventional Approach for Multicast Rekeying", Int. journal of Applied Engineering research(SCOPUS Indexed), ISSN 0973 – 4562, vol.9 Issue 23, Dec 2014.

- "Efficient hybrid tree key distribution for secure multicast communication", Int. journal on Communications Antenna and Propagation (IRECAP) (SCOPUS Indexed), 2039-5086, Vol.4 Issue 5, April-June.2014.

- Sasikala Devi,S, Dr.Antony Selvadoss Thanamani, 2018 ' Dynamic Data Replication Using FDDRA', International Journal of Creative Thoughts (UGC LISTED), Vol 6, PP 231-236, ISSN:2320-2882.

- Sasikala Devi,S, Dr.Antony Selvadoss Thanamani, 2018 ' Fuzzy based Dynamic Replication Algorithm for improving Data availability in data grids ', Current Trends in Science and Technology (UGC LISTED), Vol 8, PP 20188-20193, ISSN:0976-9730.

- Dr. Sasikala Devi S. 2019 ' Performance Evolution of Dynamic Replication in a Data Grid Using FDDRA Algorithm', International Journal of Computer Science Trends and Technology (IJCST), Volume 7 Issue 2, PP 105 – 111, Mar - Apr 2019, *ISSN: 2347-8578.*

- Dr. Sasikala Devi S. 2020,' Ensuring Secured Multicast Group Communications for Wireless Sensor Networks using Efficient Key Distribution Schemes', InternationalJournal of Computer Sciences and Engineering (IJCSE), *Vol.-8, Issue-1, PP 120 −126, Jan 2020, E-ISSN: 2347-2693.*

- Dr. Sasikala Devi S. 2021,'Enhanced Fuzzy Based Dynamic Data Grid Replication Algorithm for Dynamic Data Grid Replication ', Wesleyan Journal of Research, Vol.14 No1(1), Feb 2021, ISSN : 0975-1386.

FDP, Seminars and Workshop Attended/Participated

- Completed the "Training for Professional Development", conducted by FUTUREKIDS ASIA at Amrita Vishwa Vidyapeetham Campus, Ettimadai.

- Completed "Vedic Heritage Teaching Programme for Teachers", held at Amrita Vishwa Vidyapeetham Campus, Ettimadai, 24.04.2003 to 27.04.2003.

- Faculty Development Programme, CMS College of Science and Commerce, Feb'2008.

- International Seminar on MATLAB, CMS College of Science and Commerce, March'2008.

- Staff Development Programme, organized by Educational Centre, PSG College of Technology, Feb'2009

- Faculty Development Programme, CMS College of Science and Commerce, January'2010.

- Training Program on "Certificate in JAVAProgramming" conducted by ICT Academy of Tamil Nadu, 17 July'2010 to 24 July'2010 at Dr. NGP Institute of Technology.

- Faculty Development Programme on "Network Simulation Packet Tracer, KGISL Institute of Information Management, Sep'2010.

- Faculty Development Programme on "NS2 and Its Implementation in Networking, DJ Academy for Managerial Excellence, Sep'2011.

- National Workshop on "Grid and Cloud Computing", Bharathiar University, March'2012.

- Two Days Faculty Development Programme on " Recent Trends in Computer Science and Information Technology" from 23.01.2021 to 24.01.2021, organized by Department of Computer Science in Association with IQAC, Adusumilli Gopala Krishanaiyah and Sugarcane Growers, and Siddhartha Degree College of Arts and Science, Vuyyuru.

- An AICTE Sponsored Online Short Term Training Programme Phase – III titled "NLP Techniques for teaching GEN Z Students : Rethinking New ways of Communication" organized by School of Management , Sri Ramakrishna College of Arts and Science, Coimbatore, from 01.02.2021 to 06.02.2021.

- An AICTE Sponsored Short Term Training Programme on "Recent Trends and Challenges in in Data Science" from 01.02.2021 to 06.02.2021, organized by PG and Research Department of Computer Applications, Hindusthan College of Arts and Science, Coimbatore.

- A Webinar on " Advancement in Network Security" on 23.02.2021, organised by Department of Applications, Angappa College of Arts and Science.

- One Day Online Faculty Development Programme on "New Education Policy of India"

organized by Internal Quality Assurance Cell , PPG College of Arts and Science in collaboration with Shiksha Sanskriti Utthan Nyas, on 25.03.2021.

- Five Days Faculty Development Programme on "Artificial Intelligence and Machine Learning" organized by Department of Computer Applications, Kumaraguru College of Technology, Coimbatore, from 09.03.2021 to 13.03.2021.

- Five Days Faculty Development Programme on " Research Trends in Computer Science and Applications" organized by Department of Computer Science and Applications in Association with Institution Innovation Council ,KG College of Arts and Science, Coimbatore, from 22.03.2021 to 26.03.2021.

- National Level One Week Faculty Development Programme on "Research Methodology from 26.04.2021 to 01.05.2021, organized by Amar Sewa Mandals Kamla Nehru Mahavidhyalaya, Nagpur.

- One day Virtual Faculty Development Program titled "Effective Teaching in the New Normal" Organized by Department of English, PPG College of Arts and science on 19.04.2021

- Five Days Faculty Development Program in "Research Innovation in Computer Vision" from 10.05.2021 to 14.05.2021, conducted by Department of Computer Science and Engineering, KINGS Engineering College, Chennai.

- One week Online National Level Faculty Development Program on "Innovation in Teaching, Research and Challenges in Accreditation Process for Higher Educational Institutions", organized by IQAC, St.Peter's Engineering College, Hydrabad, from 17.05.2021 to 22.05.2021.
- One week Faculty Development Program on "Machine Learning based Applications" organized by Department of Electronics and Communication Engineering, Sreyas Institute of Engineering and Technology, Hydrabad during 31.05.2021 to 06.06.2021.

Professional Body Member / Board of Studies Member

- Member of Board of Studies, Department of BCA, SS and IT during the year 2009 - 2013. CMS College of Science and Commerce. (Autonomous).

- Member of Board of Studies, PG Courses , MSc.SS, M.Sc. CS, MSc. IT and MCA during the year 2010 – 2015. CMS College of Science and Commerce (Autonomous).

- Bharathiar University Representative Member of Board of Studies, Department of MSc. Software Systems, 2022, VLB Janakiammal College of Arts and Science. Kovaipudur.
- Professional Member in IAENG international Association for Engineers. (Life Time)

Responsibilities Held

- Placement and Training Cell coordinator 2023 -2024, Government Arts and Science College, Mettupalayam.
- Department Activity coordinator 2023 – 2024, Department of Computer Science, Government Arts and Science College, Mettupalayam.
- Event Co-Ordinator in an Inter-Collegiate Technical Symposium conducted by School of Computer Science , CMS College of Science and Commerce.
- Editor, School of Computer Science Newsletter, CMS College of Science and Commerce.
- School of Computer Science Research Co-coordinator in Center for Research and Development, CMS College of Science and Commerce.
- Developed Syllabus for various Subject for the courses BCA, BSc. CS, BSc. IT, and BSc. CT, CMS College of Arts and Science.
- Acted as University Representative for Bharathiar University Central Examination at St.Paul's College of Arts and Science.
- Played Role as a Head, School of Computer Science, PPG College of Arts and Science.
- Website Updating and Newsletter In-charge, PPG College of Arts and Science.
- Editor, Magazine, School of Computer Science, PPG College of Arts and Science.
- Induced ICT (Google Suite) and trained Staff members and Students to use ICT in Teaching & Learning Process, March 2019, PPG College of Arts and Science.
- Induced ICT for Education by Organizing various Free Inter- Collegiate Webinars for Faculty members, Students and Research Scholars.
- Acted as University External Examiner for practicals at various Affiliated Colleges.
- Acted as External Examiner for practicals at various Autonomous Colleges.
- Acted as External Examiner in Bharathiar University Central Paper Valuation.
- Convenor, Computer Science Association Programming Club, PPG College of Arts and Science.
- Acted as Resource Person in one day Faculty Peer – to – Peer Learning Programme and delivered Lecture and Hands – 0n – Training on "Advanced Excel", October,2021.

FDP's Organized

- Organized and Convenor of State level Webinar on "Basics of AR,VR & MR" in Association with PPG College of Technology with partcipants of 200+ on 16.06.2021.

- Organized and Convened of State level Webinar on "Introduction to Azure IoT" in Association with Makers Tribe on 13.06.2021.

- Organized Six Days International FDP on "Industrial Revolution 4.0: Emerging Trends in Information Technology", from 25.01.21 to 28.05.21 for which invited Resource Person from Global Project Management, Covance, Burlington, USA, IQVA, Durham , North Carolina, USA, Software Development Programming shared services ,IQVA, Durham , North Carolina, USA.

- Organized Seven Days International Faculty Development Programme on Artificial Intelligence and Machine Learning from 28.06.21 to 05.07.21.

- Organized Six Days Skill Development Programme for School of Computer Science on 'Python for Informatics', 'Web page design using Dreamweaver', 'Coreldraw', 'Video Editing', 'Data Science with R', 'Basics of Go Programming' from 31.05.2021 to 05.06.2021.

- Organized Six Days Student Peer-to-peer learning on 'Cloud Computing', 'Artificial Intelligence & Machine Learning', 'C Programming', 'Computer Hardware', 'Digital Marketing', 'AWS in Cloud Computing'from 07.06.2021 to 12.06.2021.

Webinars Organised

- 'Myths and Reality with IoT', PPG CAS.
- 'Distributed Applications using Java', PPG CAS.
- 'Artificial Intelligence and Machine Learning', PPG CAS.
- 'Software Testing -An Industry Perspective', PPG CAS.
- 'Network Security and Cryptography', PPG CAS.
- 'Web Programming', PPG CAS.
- ' Ethical Hacking & Cyber Security- A device Driven', PPG CAS.
- 'Pointers in C Programming', PPG CAS.
- 'Linux and Shell Programming', PPG CAS.
- 'Operating System', PPG CAS.
- 'Data Mining', PPG CAS.
- 'Artificial Intelligence : A Practical Approach', PPG CAS.
- 'Effective Machine Learning Algorithms in Data Mining', PPG CAS.
- 'Web Technology Framework', PPG CAS.
- 'Data Analytics - Tools and Techniques', PPG CAS.
- 'MANET', 'Machine learning & its impacts in Industry 4.0', PPG CAS.
- 'Machine Learning in Data Mining, PPG CAS.
- 'Machine Learning and Its Applications, PPG CAS.
- 'Data Structures and Algorithms using python', PPG CAS.
- 'Cyber Security andEthical Hacking', PPG CAS.
- 'Internet of Things' , PPG CAS, etc.,

Technical Symposiums Organized

- Organized and Convened an Inter-Collegiate Technical Symposium for School of Computer Science , CMS College of Science and Commerce.
- Organized Two Days Inter-Collegiate Technical Symposium that includes Connexion, Technical Quiz, Debugging, Marketing and Selling from 09.05.2018 to 10.05.2018.
- Published Computer Science Magazine "TREK TECH" 2018, Vol.1
- Organized Two Days Inter-Collegiate Technical Symposium that includes Connexion, Technical Quiz, Debugging, Marketing and Selling from 09.05.2019 to 10.05.2019.
- Published Computer Science Magazine "TREK TECH" 2019 Vol.2
- Convened Computer Science Exhibition where students exhibit their computer based working models on 11.05.2019
- Organized Two Days Inter-Collegiate Technical Symposium that includes Connexion, Technical Quiz, Debugging, Marketing and Selling from 09.03.2020 to 10.03.2020.
- Published Computer Science Magazine "TREK TECH" 2020, Vol. 3
- Convened Computer Science **Exhibition** where students exhibit their computer based working models on 11.05.2021
- Organized Two Days Inter-Collegiate Technical Symposium that includes Treasure Hunt, Technical Quiz, Debugging from 22.11.2021 to 23.11.2021.
- Published Computer Science Magazine "TREK TECH",2021, Vol.5
- Convened Computer Science **Exhibition** where students exhibit their computer based working models on 24.11.2021.

Personal

Date of Birth	: 7th June 1978
Father's Name	: V.Somasundaram
Languages Known	: English & Tamil
Gender	: Female
Nationality	: Indian
Religion	: Hindu
Marital Status	: Married
Spouse Name	: G.Senthil Prabhu

Declaration

I hereby declare that all the above furnished information is true to the best of my knowledge and belief.

.

Date: 26.06.24
Place: Coimbatore

(Dr.S.SASIKALADEVI)