Name: C. Balaji Designation: Assistant Professor Department: B.Com Business Analytics

Qualification: M.C.A., NET., (Ph.D) Experience: Teaching: 16 Years Industry:-

Research: 2 Yrs

Area of Specialization(s): Machine Learning, Neural Networks, Compiler Design Email (Official ID): <u>balaji.c@drngpasc.ac.in</u>

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Hindusthan Arts and Science College, Coimbatore	Pursuing
NET	Computer Applications	UGC - NET	June 2023
M.C.A	Computer Applications	Sona College of Technology, Salem	2008
B.Sc	Mathematics	Subramanian Arts and Science College, Mohanur	2005

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Certification	C Programmer	Canada Institutional	2005
Certification	Hardware Engineer	Canada Institutional	2006
Certification	Sun Certified	Sun Microsystems	2008
Certification	Compiler Design	NPTEL	2024



Research Publications

International

- Balaji.C & Prathibha.U & Gokila.D, HONEYPOT PATTERN FOR INTRUSION DETECTION SYSTEM IN NETWORKS, Test Engineering and Management, Volume 8, pp. 4651-4654, November-December 2019, ISSN: 0193-4120.
- Balaji.C & Noorlihuda.I, *Survey on Comparison of Various Scheduling Algorithms in Cloud Computing*, International Research Journal of Advanced Engineering and Science, Volume 3, Issue 1, 2018 pp. 233-235, 2018, ISSN No.: 2455-9024.
- Noorilhuda.I, Sreenand.K, Balaji C, *MICROSOFT AZURE THE CLOUD COMPUTING*, International Research Journal of Advanced Engineering and Science, Volume 1, Issue 4, 2016 pp. 89-91, 2016, ISSN No.: 2455-9024.
- Published a paper on "A Literature Review on Plam Leaf Manuscript Recognition" in Sodhaganga UGC Care Listed Journal, ISSN: 0974-8946.
- Published a paper on "A Novel Approach in Deep Learning method to Identify the Tamil Manuscripts in Palm Leaves", Journal of Computational Analysis and Applications, Vol.33, NO.6, Issue May 2025, ISSN No: 1521-1398 (Paper),1572-9206 (Online) – Scopus
- Published a paper on "Enhanced Breast Cancer Diagnosis through an Integration of MSVM and Genetic Algorithms", International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538, Volume 12 Issue X Oct 2024 – Google Indexed
- Published a paper on "Determine the Tamil Characters in the Inscription by using the Radon Transform", Tec Empresarial, E-ISSN: 1659-3359, April 2024 Web of Science
- Published a paper on "Gender Detection Using CNN, Python, Keras and OpenCV", International Journal for Research in Applied Science & Engineering Technology – UGC Peer Reviewed

Conferences

International

• Mr.C.Balaji, Dr.P.Lalitha, presented a paper titled on "Identify the Tamil Characters in the Inscription using the Radon Transform" in International Conference on Enhanced Techniques in Real Time Applications, United College of Arts and Science, 8.9.2023.

 Mr.C.Balaji, Dr.P.Lalitha, presented a paper titled on "Recognize the Tamil Characters in Inscription using the Radon Transform" in International Conference on Sustainable Computing Trends – ICSCT'24, Hindusthan College of Arts and Science, 14.3.2024.

National

- Mr.C.Balaji, M.Sai Mugunth, A Study on Aritificial Intelligence Influence on Ecommerce and CRM, ICAIMBE – 2023, pp. 199-203.
- Mr.C.Balaji, Mrs.D.Priyadharshini, An Review of Scorn with Human Intelligence and Artificial Intelligence, ICAIMBE – 2023, pp. 219-234.
- Mr.C.Balaji, M.Sai Mugunth, The Rising Tide of Digital Drift Adopting Data Driver Marketing Trends, Puratchi Thalaivi Amma Government Arts and Science College, International Conference on "Digital Drift in MFM 3.0 – Optimizing the Business Sphere", 30.8.2023.

Faculty Development Programme

- Attended 4 Days FDP titled on "Outcome Based Education" in Dr.NGP Arts and Science College from 17.6.2023 to 21.6.2023
- Attended 6 Days PDP titled on "Upskilling Core Competencies for Computer Science Professionals" in Kongunadu Arts and Science College from 9.10.2023 to 14.10.2023
- Attended 5 Days FDP titled on "Microsoft Azure AI Engineer" conducted by ICT Academy in Dr.NGP Arts and Science College from 3.2.2025 to 7.2.2025

Book Chapter

- Dr.K.A.Jayabalaji, Dr.S.Subbaiah, Mr.C.Balaji, Enhanced Approach for Prediction of Diabetic Retinopathy using Classifier Model, Current Trends in Multidisciplinary Research, Volume 1, Issue 1, 2023, pp. 121-135, ISBN No: 9 789395 196512.
- Mr.C.Balaji, Dr.P.Lalitha, "Using the Radon Transform, Identify the Tamil Characters in Inscription", Emerging Trends in Information Technology, Rathinam College of Arts and Science, ISBN: 978-81-965283-7-9.

Books

 Mr.C.Balaji, Mrs.K.Banuroopa, Mrs.S.H.Shameem Sulthana, Mrs.P.Karthiga, published a book titled on "PHP & MySQL" in RK Publisher, ISBN: 978-93-6013-384-9 (2023) Books Published title on "Introduction to Neural Networks" in Alpha International Publications, ISBN: 978-93-5762-268-4

Resource Person

• Acted as a Resource Person of 5 Days Faculty Development Programme on Data Visualization in the topic of "Visualization of Datasets using R Programming", Hindusthan College of Arts and Science, 17.3.2023.

Symposium

• Attended International Symposium on "Volatility in Global Markets" in VET Institute of Arts and Science, 23.8.2023.

Patent Filed

- Published the patent in the title of "Machine Learning and IoT based device to detect the Stress/happiness of Lecturers in Working Environment like institutions, colleges, University etc", March 2023.
- Published the patent in the title of "Detection of Phishing Using Machine Learning Neural Network", March 2023.
- Published the patent in the title of "Nasopharyngeal Swab Sampling Robot", January 2024.
- Published the patent in the title of "Tomato Leaf Disease Prediction using VGG16 and CNN", September 2024.