

Dr. B. KALAISELVI

Assistant Professor, Department of Information Technology.

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Career Objective: Committed academic professional with 16 years of teaching experience and 5 years of research expertise in Machine Learning. Proficient in mentoring students and leading impactful research initiatives. Aspiring to enrich academic programs and contribute to advancements in technology.

ACADEMIC PROFILE

| Course | Year of Passing | Board of Examination | Name of the Institution | % of Marks |
|--------------|-----------------|-----------------------|---|------------|
| Ph. D | October 2024 | Bharathiar University | Govt. Arts College, Udumalpet | - |
| SET | Feb 2016 | Tamil Nadu State | - | - |
| M. Phil | September 2012 | Bharathiar University | N.G.M College, Pollachi. | 65.6 |
| MCA | 2008 | Bharathiar University | N.G.M. College, Pollachi. | 79 |
| B.Com. (C.A) | 2005 | Bharathiar University | N.G.M. College, Pollachi. | 81 |
| H.S.C | 2002 | Stare Board | Municipal Girls Higher Secondary School Pollachi | 73 |
| S.S.L.C. | 2000 | State Board | Municipal Girls .Higher Secondary School Pollachi | 70 |

TEACHING EXPERIENCE

Currently working as an Assistant Professor in the Department of Information Technology at Nallamuthu Gounder Mahalingam College, Pollachi, since June 2008.

SKILL SETS

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|----------------------|-------------------------|------------------|
| 1. C | 5. Software Engineering | 9. Scikit- learn |
| 2. C++, | 6. Information Security | 10. Pandas |
| 3. DBMS | 7. Statistics | 11. Numpy |
| 4. Computer Networks | 8. Machine Learning | 12. Matplotlib |

AWARDS RECEIVED

1. Received **Certificate of Appreciation** from Nallamuthu Gounder Mahalingam College for being a part of NAAC SSR Compilation Team

RESEARCH ACTIVITIES

1. Secured seed funding of Rs. 25000 for the research work entitled “**Analysis of Placement Performance Prediction on Students Data Using Improved J48 and Ensemble NBTree Machine Learning Algorithms**”, funded by NGM College, Pollachi.

PAPERS PUBLICATIONS

1. Published a paper, entitled with “**Ensemble Voting Machine Learning Model for Prediction of Campus Placement of the Student**” in AIP Conference Proceedings (Scopus), December 2023, DOI: <https://doi.org/10.1109/CONIT55038.2022.9847993>
2. Published a paper, entitled with “**Analysis of Placement Performance Prediction on Students Data using Machine Learning Algorithm**” in Journal of Maharaja Sayajirao University, Volume 56, Issue 1, 2022.
3. Published a paper, entitled with “**Ensemble Machine Learning AdaBoost with NBTree Model for Placement Data Analysis**” in IEEE Digital Xplore, 2022, DOI: <https://doi.org/10.1109/CONIT55038.2022.9847993>
4. Published a paper, entitled with “**Academic Performance Prediction for First Year Students in COVID Pandemic Period Using Data Mining Technique**” in Journal of Maharaja Sayajirao University, Volume 54, Issue 2, 2020.
5. Published a paper, entitled with “**An all-Embracing usage of enhanced K-Medoid clustering algorithm in Insurance precinct**” in IJERME, Volume 2 Issue 1, July 2017.
6. Published a paper, entitled with “**A Comprehensive usage of Enhanced K-Medoid Clustering in Banking Sector**”, in IARJSET, Volume 2, Issue 7, July 2015.

BOOK CHAPTER PUBLICATION

1. Published a book chapter, entitled with “**Ensemble Voting Classifier Based Machine Learning Model for Predictive Modeling of Campus Student Placements**” in International Book Science and Technology: Recent Updates and Future Prospects, Volume 11, published by BP International. DOI: <https://doi.org/10.1109/CONIT55038.2022.9847993>
2. Published a book chapter, entitled with “**Leveraging Decision Stump Classification for Data-Driven Student Placement Outcome Predictions**”, in Emerging Trends in Computation and Artificial Intelligence, published by Providence College for Women and Sri GVG Visalakshi College for Women.

CONFERENCES ATTENDED

1. Presented a paper entitled “**Enhanced Ensemble Voting Based Machine Learning Technique for Student Campus Placement Prediction**” in International Conference on Contemporary Engineering and Technology, conducted by Prince Shri Venkateshwara Padmavathy Engineering College, Chennai in Collaboration with Samarkand State University, Uzbekistan, in May 2023.
2. Presented a paper entitled “**Ensemble Machine Learning AdaBoost with NBTree Model for Placement Data Analysis**” in International Conference on Innovations in Robotics, Intelligent Automation, and Control (ICIRIAC 2022), conducted by Sri Krishna College of Engineering and Technology, Coimbatore in association with Kyungpook National University, South Korea, in October 2022.
3. Presented a paper entitled “**Ensemble Voting Machine Learning Model for Prediction of Campus Placement of the student**” in 2nd International Conference on Intelligent Technologies (CONIT 2022), conducted by KLE Institute of Technology, Hubli, Karnataka, in June 2022.
4. Presented a paper entitled “**Analyzing Student’s Career Associated to the Corporate Sector Using Enhanced K-Medoid Algorithm**” in national level conference on “Green computing” conducted by Department of computer science UG (Aided) of NGM College on 22.9.2017.

5. Presented a paper entitled **“Network Security and Cryptography”** in National Level Conference on “New Frontiers in Computer Science and Applications”, organized by Maharani College of Arts and Science, Dharapuram, on 2.2.2016.
6. Presented a paper entitled **“Emerging trends in Information Technology”** in National Level Conference, organized by Rathinam college of Arts and science, Coimbatore on 19.9.2015.
7. Presented a paper entitled **“Association Rules and Predictive Models for E-Banking Services”**, at Kumaraguru College of Technology, Coimbatore, conducted by **“Computer Society of India”**, Coimbatore Chapter, on 25.9.2009.
8. Presented a paper entitled **“AI-Driven Smart Logistics for Optimizing Delivery Time Prediction Using Random Forest Regression”** in ICSSR Sponsored one day National Seminar on Artificial Intelligence in Logistics and Supply Chain Management Ethical Implications in Automation, Transparency and Sustainability on 7.3.2025, conducted by PG Department of Commerce with International Business, NGM College.
9. Presented a paper entitled **“Demand Forecasting in Supply Chain Management Using Decision Tree Regressor Algorithm”** in ICSSR Sponsored one day National Seminar on Artificial Intelligence in Logistics and Supply Chain Management Ethical Implications in Automation, Transparency and Sustainability on 7.3.2025, conducted by PG Department of Commerce with International Business, NGM College.
10. Presented a paper entitled **“Federated Learning Framework for Cross-Institutional Student Data Sharing and Prediction”** in ICSSR Sponsored one day National Seminar on Harnessing Artificial Intelligence, Innovation, Technology: A Pathway to Economic Transformation and Sustainable Development in India on 19.9.2025, conducted by UG Department of Commerce with International Business, NGM College.

WORKSHOPS ATTENDED

1. Attended the workshop on **“Professional Ethics in Effective Database Design for Real Time Applications”**, in NGM College, conducted by PG Department of Computer Applications on 28.8.2009.
2. Attended the workshop on **“Matlab - a tool for research”**, in Dr. G.R.D. College, Coimbatore on 5.9.2009.

3. Attended a workshop on “**Cloud computing and Big data**”, conducted by Mahalingam College of Engineering and Technology, on 23.9.2016 and 24.9.2016.
4. Attended two days workshop on “**Soft Computing Techniques in Information Retrieval**”, organized by Mahalingam College of Engineering and Technology, on 14.7.2017 and 15.7.2017.

SEMINARS ATTENDED/PRESENTED

1. Attended a two days seminar on “**Role of faculty in shaping the technocrats**” conducted by civil Engineering Department of Avinashilingam University, Coimbatore.
2. Attended the one day National Seminar on “**Data Mining Techniques NSDMT**” organized by the Department of computer Science, Vidyasagar Arts and Science College, Udumalpet.
3. Attended Webinar entitled “**Revolutionizing Learning: Unleashing the Power of Education 5.0**”, organized by Computer Society of India, Coimbatore.

FACULTY DEVELOPMENT PROGRAMME

1. Attended a 5 Days National Level FDP program from 10.10.22 to 14.10.22 entitled “**Recent Trends in Research Methodologies and Tools**” conducted by the Department of Information Technology, KG College of Arts & Science, Coimbatore.
2. Attended 5 days FDP on the topic “**Research Methodology and Advanced Pedagogies in Higher Education**” conducted by the Department of Social Work, NGM College, Pollachi.
3. Attended a 5 days FDP on “**Exploring New Frontiers in Teaching Tools, AI and Data Analytics**” conducted by MEASI Institute of Information Technology from 29.7.2024 to 2.8.2024.
4. Attended a 7 days Faculty Development Programme on “**Empowering Educators with Power BI**” organized by Department of Data Analytics, NGM College, Pollachi, from 3.3.2025 to 12.3.2025.

MOOC CERTIFICATION COURSE

1. Completed NPTEL Online Certification Course “Software Testing”, conducted by IIT, Kharagpur.
2. Completed NPTEL Online Certification Course “Python for Data Science”, conducted by IIT, Madras.

MEMBERS IN PROFESSIONAL BODIES

1. Member in IAENG (International Association of Engineers) - Member ID: 533973
2. Member in IFERP (Institute for Educational Research and Publication) - Member ID: 76607772

ACADEMIC ACTIVITIES

1. Involved in NAAC Criteria metric 3.4.4
2. Involved in NIRF Ranking of NGM College.
3. Editor of Department Newsletter in the Department of Information Technology.
4. Project Guide for more than 50 students.
5. External Examiner in Bharathiar University for conducting practical examination and valuation in various colleges.
6. Member in Board of Studies for department curriculum.
7. Member in NGM College NET/SET coaching centre.
8. Possessing M. Phil Guide ship Approval from Bharathiar University.
9. Possessing Permanent Qualification Approval from Bharathiar University.

PERSONAL PROFILE

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Athupollachi (PO),
Anaimalai 642 103.
Phone Number : +91 9976044337
E-Mail : bkalaimca@gmail.com
Location : Coimbatore, Tamil Nadu, India.
Nationality : Indian
Languages Spoken : English, Tamil
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Google Scholar ID : <https://scholar.google.com/citations?user=utNs1-EAAAAJ&hl=en>

Place : Pollachi

Date : 3.10.2025



Signature