

Name : Dr.S.Pandikumar
Designation : Assistant Professor
Department : Computer Science
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Educational Qualifications:

Discipline	Subject	Board/ University	Year of Completed
Ph.D	Computer Science	Madurai Kamaraj University, Madurai	2019
M.Phil	Computer Science	M.S.University, Tirunelveli	2013
MCA	Computer Application	Bharathiar University, Coimbatore	2007
BCA	Computer Application	Bharathiar University, Coimbatore	2004

Specialisation in Teaching: C++, C#, Operating System and Computer Network.

Specialisation in Research: Mobile Computing, IoT and Green Computing.

Other Work Experience:

Designation	Institution / Company	Year (From – To)
Assistant Professor	Ayya Nadar Janaki Ammal College, Sivakasi.	Feb 2008 to April 2011
Assistant Professor	Thiagarajar College, Madurai.	Jan 2012 to May 2013
Assistant Professor	Subbalakshmi Lakshmipathy College of Science, Madurai.	May 2013 to Mar 2017
Assistant Professor	Sri Krishna Adithya College of Arts and Science, Coimbatore.	May 2017 to Feb 2018
Assistant Professor	Arul Anandar College, Madurai.	June 2018 to July 2019

Publications in Scopus/Web of Science/IEEE.

- 1) “Deep Learning based Long Short-Term Memory Recurrent Neural Network for Stock Price Movement Prediction”, Indian Journal of Science and Technology (0974-5645), Vol: 15, Issue: 11, Pages: 474-480, 2022. <https://doi.org/10.17485/IJST/v15i11.27>
- 2) “Performance Analysis of Random Forest Classifier in Extracting Features from the EEG signal”, In Proc. 2022 1st IEEE Int. Conf. on Advanced Computing Technologies and Applications (ICACTA ‘22), pp. 1-5, Coimbatore, India, 2022. DOI: 10.1109/ICACTA54488.2022.9753364.

- 3) “Pattern Discovery and Analysis of Customer Buying Behavior Using Association Rules Mining Algorithm in E-Commerce”, In Proc. 2022 First IEEE Int. Conf. on Electrical, Electronics, Information and Communication Technologies (ICEEICT), pp. 1-5, Trichy India, 2022. DOI: 10.1109/ICEEICT53079.2022.9768473.
- 4) “*Insights Internet of X-Things: An Overview, Architecture, Design Challenges and Applications*”, Design Engineering, ISSN: 0011-9342, pp. 176 – 186, Issue 09, Vol 2021, 2021. <http://www.thedesignengineering.com/index.php/DE/article/view/6913>
- 5) “*Hybrid Genetic Algorithm with K-means for Detection of Brain Tumor*”, Design Engineering, ISSN: 0011-9342, pp. 17248 – 17256, Issue 8, Vol 2021, 2021. <http://www.thedesignengineering.com/index.php/DE/article/view/6890>
- 6) “*Brain Tumor Identification Using Hybrid Genetic Algorithm with OTSU Segmentation*”, International journal of Test engineering and management, ISSN: 0193-4120, Volume 83, pp. 9798 – 9804, Publication Issue: March - April 2020. <http://www.testmagzine.biz/index.php/testmagzine/article/view/5378>
- 7) “*Secured Policy based Resource Access and User Authentication in Ubiquitous Computing Environment*” International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Volume-9, Issue-1, pp. 1836-1841, November 2019. <https://www.ijitee.org/wp-content/uploads/papers/v9i1/A4731119119.pdf>
- 8) “*Fleet Automation Using IoT Logistics*”, International Journal of Engineering and Advanced Technology (ISSN: 2249 –8958), Volume-8 Issue-6, pp. 4231-4238, August 2019. <https://www.ijeat.org/wp-content/uploads/papers/v8i6/F8911088619.pdf>
- 9) “*Energy Efficient Algorithm for High Speed Packet Data Transfer on Smartphone Environment*”, International Journal of Engineering and Advanced Technology (ISSN: 2249 – 8958), Volume-8 Issue-6, pp.2644-2658, August 2019.

Paper Presented in International/National Conferences/Seminars

- 1) Presented a paper entitled “Performance Analysis of Epileptic Seizure Detection using Deep Learning and Convolutional Neural Network” in 1st IEEE Int. Conf. on Advanced Computing Technologies and Applications (ICACTA ‘22) held at Sri Krishna College of Engineering and Technology, Coimbatore, India, on 4th-5th March 2022. ISBN: 9781665495141.
- 2) Presented a paper entitled “Pattern Discovery and Analysis of Customer Buying Behavior Using Association Rules Mining Algorithm in E-Commerce” in First IEEE Int. Conf. on Electrical, Electronics, Information and Communication Technologies (ICEEICT) held at K. Ramakrishnan College of Engineering, Tiruchirappalli, India, on 16th-18th Feb 2022. ISBN: 9781665436465
- 3) Presented a paper entitled “Brain Tumor Identification using Hybrid Genetic Algorithm with OTSU Segmentation” in International conference on Digital Transformation held at The American College, Madurai, on 5th & 6th March 2020.
- 4) Presented a paper entitled “Analyse the Role of IoT in Agriculture” in National seminar on Internet of Things held at Ayya Nadar Janaki Ammal College, Sivakasi, on 21st Feb 2020.
- 5) Presented a paper entitled “Contribution of IoT in Public Safety” in National seminar on Internet of Things held at Ayya Nadar Janaki Ammal College, Sivakasi, on 21st Feb 2020.

- 6) Presented a paper entitled “Opportunities and Challenges of Employability in Tourism Industry” in International seminar on the Entrepreneurship in the Hospitality and Tourism Industry held on 19th Feb 2020 at Subbalakshmi Lakshmiathy College of Science, Madurai. ISBN:9789353968106.
- 7) Presented a paper entitled “Impact of Traveling in Mental Health and Life Style” in International seminar on the Entrepreneurship in the Hospitality and Tourism Industry held on 19th Feb 2020 at Subbalakshmi Lakshmiathy College of Science, Madurai. ISBN:9789353968106.
- 8) Presented a paper entitled “Secured Policy-based Resource Access and User Authentication in Ubiquitous Computing Environment” in Seventh International conference on the Advances in Information Technology and Networking held on 7th Feb 2020 at Dr.G.R.Damodaran College of Science, Coimbatore, ISBN:9788192798554.
- 9) Presented a paper entitled “SMS based Secured Key Exchange Protocol for Symmetric Key Cryptography” in Seventh International conference on the Advances in Information Technology and Networking held on 7th Feb 2020 at Dr.G.R.Damodaran College of Science, Coimbatore, ISBN:9788192798554.
- 10) Presented a paper entitled “Energy Efficient Algorithm for High Speed Packet Data Transfer on Smartphone Environment” in 3 days India International Science Festival from 5th to 7th Nov 2019 organized by Govt. of India at Kolkata.

Guest Lecture Delivered

- 1) Delivered a guest lecture on “Internet of X-Things and Revolution of Mobile Technology” in Arul Anandar College, Karumathur on 29-09-2021.
- 2) Delivered a guest lecture on “C++ with Memes” in CSI Arts and Science College for Women, Madurai on 3-03-2020.
- 3) Delivered a guest lecture on “Learning C++ with Memes” in Sri Meenakshi Govt College for Women, Madurai on 13-02-2020.
- 4) Delivered a guest lecture on “Hidden Secrets of Programming through MEMES”, in Erode Arts and Science College, Erode on 06.02.2020.
- 5) Delivered a guest lecture on “Operating System Concepts”, in Madurai Sivakasi Nadar's Pioneer Meenakshi Women's College, Puvandi, Madurai on 09.09.19.
- 6) Delivered a guest lecture on “Next Generation of Computing” in Subramanya College of Arts and Science, Palani on 09-08-2019.

Awards, Honors and Prizes

- 1) Subject Expert of Board of studies in Dept. of Commerce (CA) at Mannar Thirumalai Naicker College, Madurai on 01.04.2022.
- 2) Acted as a resource person in UGC sponsored three days FDP on Innovative Teaching-Learning Strategies for Modern Pedagogy organized in Ayya Nadar Janaki Ammal College, Sivakasi on 21.09.2021.
- 3) Acted as a resource person in 5th International Colloquium On Development and Hosting of E-content conducted in KSR College of Arts and Science for Women, Tiruchengode on 12.12.2019.

- 4) Received award for publications in Awards of Excellence category at Arul Anandar College in the year 2019.
- 5) Subject Expert of Board of studies in Dept. of Networking at Subbalakshmi Lakshmipathy College of Science, Madurai from 2019 to 2021.