







<b>Name</b>	Dr. S.PANDIKUMAR		
<b>Designation</b>	Assistant professor		
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## CAREER OBJECTIVE

To be a part of a distinguished organization where I can use my knowledge, creativity and innovative spirit for its growth and in return gain encouragement to add further value onto myself.

## PERSONAL PROFILE

Date of birth : 05-02-1986

Marital status : Married

Gender : Male

Nationality : Indian

## EDUCATIONAL QUALIFICATION

S.No	Degree	Institution / University	Year of Passing	Subject
1	Ph.D.	Centre for Research & Evaluation, Bharathiar University, Coimbatore.	2023 (Commended)	Computer Science
2	M. Phil. (Part I)	Centre for Research & Evaluation, Bharathiar University, Coimbatore.	2014	Computer Science
3	M.C.A.,	Madurai Kamaraj University College, Madurai.	2009	Computer Applications

**EXPERIENCE IN TEACHING & RESEARCH****Nature of Duties / Responsibilities**

<b>S.No</b>	<b>Designation</b>	<b>Institution</b>	<b>From</b>	<b>To</b>	<b>Total Years</b>
1	Assistant professor	Yadava College, Madurai	17/08/2009	Till date	16yrs.06 Months.
2	Assistant professor	CPOP Program, Bharathiar University.	2017	2019	2 yrs.

**FIELD OF SPECIALIZATION**

<b>S.No</b>	<b>Details</b>
1	Digital Image Processing
2	Machine Learning
3	Deep Learning

**SIGNIFICANT ACHIEVEMENTS**

<b>S.No</b>	<b>Position Held</b>
1	Member, College Calendar Committee (2010 & 2011)
2	Academy Manager, Red Hat Academy (2021) Yadava College.
3	Additional Coordinator & trainer Fine arts Club (2023, 2024, 2025) Yadava College.
4	Puthumeipen Scheme In charge 2022-2023, Yadava College.
5	Programme Coordinator 2023-24, 2024-2025, Industrial Visit, Dept. of Commerce, Yadava College.
6	Programme Coordinator, LOC, Dept. of Commerce, Yadava College & Vivekananda College. Programme Coordinator, MOU, Dept. of Commerce, Yadava College & Amizth Technologies, Madurai.
7	Additional Coordinator, Yadava Cricket League (YCL -2023)

**RESEARCH ARTICLE PUBLISHED IN INDIAN PATENT JOURNAL**

S.No	Title of the Invention	Name of the Journal, Year, Volume (Issue)
1	Temperature sensor based screening for prevention of spread of Covid -19	Patent Application Publication, India, The Patent office Journal No.04/2022 Dated 28/01/2022, 4611

**BOOK PUBLISHED**

S.No	Title of the Book	ISBN
1	Python programming Made Easy – A Beginner's Hank book	Self Publisher, 1 <sup>st</sup> Edition, Year of Publication: Sep – 2025, ISBN- 978-93-344-0103-5
2	Data driven Excel transforming raw data into Dashboards	S.R.P. Publishing House, 1 <sup>st</sup> Edition, Year of Publication: Nov-2025, ISBN-978-81-994-672-5-5

**RESEARCH ARTICLES PUBLISHED IN JOURNALS**

S.No	Title of the Paper	Name of the Journal, Year, Volume (Issue)
1	Detection of oral cancer using supervised machine learning	International Journal of Research And Analytical Reviews, May 2019, volume 6, issue 2, (E-ISSN 2348-1269, P-ISSN 2349-5138)
2	Oral cancer classification using SVM classifier	International Journal of Research And Analytical Reviews, May 2019, volume 6, issue 2, (E-ISSN 2348-1269, P-ISSN 2349-5138)
3	Intelligent Classification approach for Oral Cancer Detection	Strad Research, UGC-CARE and Web of Science Journal, Volume 8, Issue 11, 2021, <a href="https://doi.org/10.37896/sr8.11/003">https://doi.org/10.37896/sr8.11/003</a> , ISSN: 0039-2049
4	Classification of leukoplakia oral disease using ANFIS Classifier	The Design Engineering, Scopus Index –Q4, Ei compendex, Vol 2021: Issue 08, 15548-15557
5	An enhanced K-NN regression model based on Principal Component analysis in big data processing for weather station data	Juni Khyat, (UGC CARE Group I Listed Journal), Vol-14, Issue-9, September: 2024 , ISSN: 2278-4632
6	Analysis of Blood Glucose level using improved Time Series Forecasting Machine Learning	Juni Khyat, (UGC CARE Group I Listed Journal), Vol-14, Issue-9, September: 2024 , ISSN: 2278-4632

	Technique in Big Data Processing of Medical Data	
7	A Comparative Analysis on Plant Leaf Disease Detection Using ANN,CNN and RNN with GLCM Features	Juni Khyat, (UGC CARE Group I Listed Journal), Vol-14, Issue-9, September: 2024 , ISSN: 2278-4632
8	Predicting Hyperglycemia using a Hybrid Learning Approach with CNN, Decision Trees, SQL Server and ESP 8266	Communication and Management Journal (Scopus Indexed), Volume 9, Issue 9, 2024, Pages 123-132, ISSN No. : 2269-7195
9	Hybrid approach for the detection of Erythroplakia oral cancer using SVM and RNN with GLRLM fusion Model	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 11, Issue 9, Page No. e178 – e182, ISSN No. 2349-5162
10	RFID – Based Smart Attendance System for Educational Institutions	Arima Nokku Journal UGC-Care Group –I) ISSN: 2320-4842, Vol.19 No:1 January-March 2025
11	Classification of Oral lichen Planus Using Random Forest Ensemble Technique	Journal of Neonatal Surgery, Scopus Indexed (Q3) 14 (14s), 424-432. ISSN(Online): 2226-0439 Vol. 14, Issue 14s (2025) <a href="https://www.jneonatalurg.com">https://www.jneonatalurg.com</a>

**RESEARCH ARTICLES PUBLISHED IN CONFERENCE PROCEEDINGS / SCOPUS INDEXED JOURNALS**

S.No	Title of the Paper	Name of the Conference	Name of The Institution
1	Classification of Oral Lichen Planus Using Decision Tree Classifier	International conference on Research Practices of Cutting Edge Technologies n Computing – 2021, Track No:1, 11/11/2021	Sri Ramakrishna College of Arts and Science (Autonomous), Coimbatore, Tamilnadu.
2	Hybrid Intelligent Technique to Classify leaf using GLCM & ANFIS	E – Conference on Recent Developments in Science, Engineering and Information Technology, 10 <sup>th</sup> -12 <sup>th</sup> May 2022	Madurai Kamaraj University, Madurai, Tamilnadu.
3	Comparison of feature extraction to classify oral carcinoma using Machine Learning Techniques	International conference on Recent Trends in Computing, Communication and Information Technology, 15 <sup>th</sup> – 16 <sup>th</sup> Nov 2022	Sri Ramakrishna College of Arts and Science (Autonomous), Coimbatore, Tamilnadu.

4	Classification of Erythroplakia oral disease using GLRLM with SVM and RNN	International Multidisciplinary Conference on Emerging Trends, Challenges & opportunities – SNGC – Conclave-24 <sup>th</sup> & 25 <sup>th</sup> Aug 2023	Sree Narayana Guru College, K.G. Chavadi, Coimbatore, Tamilnadu.
5	Knowledge Extraction on Hemodialysis by using Binary and Multiclass with ML Models	International Conference on Emerging Research in Computational Science (ICERCS)-2024. [Scopus Indexed in IEEE Explore]	Karpagam Academy of Higher Education, Chennai, Tamilnadu
6	Threat identification and prevention techniques with AI in Cyber security – A Review	Innovative trends in Information Technology (NCITIT 2025)-19 <sup>th</sup> Feb 2025	Dept. of Info.Technology Arul Anandar College (Autnomous), Madurai, Tamilnadu
7	Prediction of Insurance policy premium and status using logistic regression model with k-NN Classifier	International Conference on Issues and Challenges in Cyber Security (ICICCS'2025)-20 <sup>th</sup> Feb 2025	Dept. of Computer Science, Arul Anandar College (Autnomous), Madurai, Tamilnadu
8	Artificial Intelligence in Fraud Detection and Prevention in Banking a special reference with YONO	International Conference on Contemporary Management (INCOCOM'25) – 25 <sup>th</sup> Apr 2025	Dept. of Management Studies, NPR Nagar, Natham, Dindigul, Tamil nadu
9	Fusion based Approach For Identifying Pepper Leaf Diseases Using XGBoost Classifier	National Conference on Emerging Trends of Artificial Intelligence, Machine Learning & Computing Powers (NCEAIMLCP'25)-11 <sup>th</sup> Nov 2025	Dhanalakshmi Srinivasan College of Engineering (Autonomous), Coimbatore, Tamilnadu
10	Advances in Software Cost Estimation from Algorithm Models to AI-Driven Approaches	International Conference on Recent Trends in Digital Learning (ICRTDL-2025)- 24 <sup>th</sup> Dec- 2025	Vivekananda College, Tiruvedakam west, Madurai
11	Comparative Performance Analysis on Machine Learning Classifiers for Breast Cancer Prediction	International Conference on Innovations in Science, Technology, Management and Public Health (ICISTMPH)-26 <sup>th</sup> to 28 <sup>th</sup> Dec – 2025	Yadava College, Thiruppalai, Madurai.
12	Apple Leaf Disease Detection Using Convolution Neural Networks and Image Analysis	International Conference on ICT Tools and Artificial Intelligence ( TechCon'26)-30 <sup>th</sup> Jan, 2026	G.Venkataswamy Naidu College, Kovilpatti, Thoothukudi

**MEMBERSHIP IN BOARD OF STUDIES – AS SUBJECT EXPERT**

1. E.M.G. Yadava women's College (Autonomous), Madurai

**MEMBERSHIP IN INTERNATIONAL CONFERENCE**

S.No.	Date	Role	Name of the Conference	Name of the Institution
1	24/12/2025	Advisory Committee Member	International Conference on Recent Trends in Digital Learning(ICRTDL-2025)	Vivekananda College, Madurai.

**SEMINAR / WEBINAR /GUEST LECTURE/ WORKSHOP – PRESENTED AS RESOURCE PERSON**

S.No	Date	Programme	Institution
1	04/08/2016	Direction for on the job training & Project an Overview	Dept. of Commerce, Senthamarai College of Arts & Science, Madurai
2	21/10/2020	Big Data	Dept. of Commerce (C.A.) Vivekananda College (Autonomous), Madurai.
3	08/03/2021	Project development in Visual Basic	Dept. of Commerce (C.A.) Vivekananda College (Autonomous), Madurai.
4	22/07/2022	Tips and Tricks on Project Development	Dept. of Commerce (C.A.) Vivekananda College (Autonomous), Madurai.
5	31/07/2023 & 01/08/2023	Resume Preparation	Career guidance and placement cell, Yadava College (Autonomous), Madurai
6	05/08/2024	Workshop on Industry 5.0	Department of Information Technology, Arul Anandhar College, Karumathur, Madurai.
7	11/12/2024	Workshop on creating interactive applications with Visual Basic	Dept. of Commerce (C.A.) Vivekananda College (Autonomous), Madurai.
8	30/12/2024	Basics of Tally Prime 5.0	Dept. of Commerce (P.A.) Yadava College (Autonomous), Madurai
9	06/03/2025	Supervised Learning in Soft Computing	Dept. of M.C.A., Sourashtra College (Autonomous), Madurai.
10	21/06/2025	Workshop on Application development using Agile Methodology	Dept. of Commerce (C.A.) Vivekananda College (Autonomous), Madurai.

11	01/08/2025	Workshop on Hands –on Training: Console and Web Application Programming	Dept. of Commerce (C.A.) Vivekananda College (Autonomous),Madurai.
12	01/12/2025	Workshop on Agile- Driven Internship Projects: Framework, Workflow and Best practices	Department of Information Technology, Arul Anandhar College, Karumathur, Madurai.

**ACTED AS ADJUDICATOR**

S.No	Date	Event Name	Programme	Institution
1	12 <sup>th</sup> & 13 <sup>th</sup> /02/2023	Feminaa Delight & Talentron- 2023	Art from waste	Vijay Institute of Management, Dindigul.
2	23 <sup>rd</sup> & 24 <sup>th</sup> /02/2023	Feminaa Delight & Talentron- 2023	Corporate Walk	Vijay Institute of Management, Dindigul.
3	24/02/2023	Tamil Saral – 2023	Folk Dance	Dept. of Tamil, Research Centre, Yadava College ( Autonomous ), Madurai.
4	30/03/2023	Siragugal – 2023	Group Dance	Dept. of Tamil(S/F ), Yadava College ( Autonomous ), Madurai
5	29/02/2024	Feminaa Delight & Talentron- 2024	Group Dance & Corporate walk	Vijay Institute of Management, Dindigul.
6	05/03/2024	Vaagai – 2024	Dumb – Charades	Dept. of Tamil(S/F ), Yadava College ( Autonomous ), Madurai
7	24/01/2025	Com-Fiesta'25	Best Manager	Dept. of Commerce (S/F), Yadava College (Autonomous), Madurai
8	20/02/2025	Feminaa Delight & Talentron- 2025	Paper presentation, Group Dance & Solo Dance	Vijay Institute of Management, Dindigul
9	21/02/2025	Tamil Saaral -2025	Ad-Act	Dept. of Tamil, Research Centre, Yadava College ( Autonomous ), Madurai.
10	05/03/2025	Beats – 2025	Paper presentation	Dept. of Information Technology, Yadava College ( Autonomous ), Madurai.
11	13/02/2026	Feminaa Delight & Talentron- 2026	Solo Dance	Vijay Institute of Management, Dindigul

## MEMBERSHIP IN BOARD OF EXTERNAL EXAMINER/ QUESTION PAPER SETTER

1. Madurai Kamaraj University, Madurai
2. Vivekananda College (Autonomous), Madurai
3. The American College (Autonomous), Madurai
4. Mannar Thirumalai Naicker College (Autonomous), Madurai
5. NMSSVN College, Nagamalai pudukottai, Madurai
6. Subbalakshmi Lakshmipathy College of Science, TVR Nagar, Madurai
7. G.Venkatasamy Naidu College, Kovilpatti.
8. Thassim Beevi Abdul Kader College for Women (Autonomous), Ramnad.
9. Noorul Islam Centre for Higher Education, Thuckalay, Kanyakumari.

## SUBJECTS HANDLED

- ✓ Language : C C++, Java, Visual Basic, VB.Net, Python
- ✓ Graphics Design: Adobe Photoshop, CANVA
- ✓ Database : Oracle and Ms-Access.
- ✓ Project : Software engineering
- ✓ DTP : Ms- Office Package

## PROJECT GUIDANCE

1. U.G. Projects guided – 271
2. P.G. Projects guided – 70

## SEMINAR / CONFERENCE / WORKSHOP / FDP / WEBINAR – PARTICIPATED

S.No	Date	Programme	Institution
1	23/09/2011	Advanced computing technologies	Dept. of Computer Applications, I.T. and Computer science, Arul Anandar College, Madurai, Tamilnadu
2	29/09/2011 & 30/09/2011	Action Research for Teachers in Arts & Science Colleges	Centre for Educational Research, Madurai Kamaraj University. Madurai, Tamilnadu
3	12/03/2016	Faculty Development Program on “Empowering college teachers with effective teaching skills”	OAA MAVMM School of Management, Madurai, Tamilnadu
4	25/02/2017	Faculty Development Program on “Bridging the skills gap”	OAA MAVMM School of Management, Madurai, Tamilnadu

5	19/05/2020	Research Insights	Department of Computer Science & Information Technology, S.S.Duraisamy Nadir Mariammal College, Kovilpatti, Tamilnadu
6	02/08/2021 to 06/08/2021	Faculty Development Program on Fundamentals of AI ( Online Live FDP)	ICT Academy of Tamilnadu
7	25/08/2021	Stunning Design Using CANVA	Department of Computer Science, Vivekananda College, Madurai. Tamilnadu
8	31/08/2021	UGC – Sponsored webinar on Artificial Intelligence	UGCHRDC, Bharathidasan University, Tiruchirappalli, Tamilnadu
9	02/09/2021	AI For All ( AI Aware)	INTEL ( Government partnerships of Initiatives) , Digital India, CBSE( Training and Skill Education) , India
10	03/09/2021	AI For All ( AI Appreciate)	INTEL ( Government partnerships of Initiatives) , Digital India, CBSE( Training and Skill Education) , India
11	20/11/2021	International Workshop on “Business Application Tally: ERP 9”	Department of Business Administration, Kamaraj College, Thoothukudi, Tamilnadu
12	04/2022	Online Course on “Introduction to Graphic Design with Photoshop”	Great Learning Academy.
13	11/04/2022	Implementation of National Education Policy (NEP) 2020 Innovative Approaches and Challenges	North Eastern Hill University, Shilong, Meghalaya.
14	20/05/2022 & 21/05/2022	Two days workshop on “Computerized accounting using Tally Prime”	Department of Commerce & Department of Commerce (C.A.), Vivekananda College, Madurai.
15	29/07/2022	Webinar on steering future of enterprise from cars to cloud	Bright talk
16	04/08/2022	Intellectual property rights	Department of science and technology(DST) & Tamilnadu state council for science and Technology (TNSCST)
17	10 <sup>th</sup> to 12 <sup>th</sup> /09/2022	International workshop on Business Analytics Using Excel	Inspire Softech Solutions.
18	12/10/2022	Investor Awareness Program	Ambition Learning Solutions.
19	18 <sup>th</sup> to 25 <sup>th</sup> /11/2022	One week online FDP – Confluence of revised guidelines of IQAC	Arulmigu palani andavar artscollege for women, Palani.
20	28/08/2023	International workshop on “ Python programming for Beginners”	Vivekananda College ( Autonomous ), Madurai

21	22 <sup>nd</sup> & 23 <sup>rd</sup> /09/2023	Two day workshop on “ Basic & Advanced Tally with GST”	Vivekananda College ( Autonomous ), Madurai
22	28/08/2023	International workshop on “Python programming for beginners”	Vivekananda College ( Autonomous ), Madurai
23	22/09/2023 & 23/09/2023	Basic & Advanced Tally with GST	Vivekananda College ( Autonomous ), Madurai
24	30/09/2023	BRIDGE 23 – Madurai edition	ICT Academy of Tamilnadu
25	20/11/2023 to 27/11/2023	FDP on “Exploring Technological Advancements: A Voyage into Emerging Horizons”	Department of Computer Science, Sri S.Ramasamy Naidu Memorial College, Sattur
26	26/02/2024 to 28/02/2024	FDP on Citation & Reference Management for Scholarly writing	IQAC, NSB, Bangalore
27	14/02/2024 to 16/02/2024	FDP on AI Tools for Research & Publishing	Department of Artificial Intelligence, Mannar Thirumalai Naicker College, Madurai
28	27/05/2024 to 31/05/2024	FDP on Microsoft Power BI Data Analyst Associate	ICT Academy in Association with IQAC, NMSSVN College, Madurai
29	03/12/2024 to 06/12/2024	Virtual workshop on Next-Gen Research Tools	Faculty of Science & Humanities, Dept. of English & Other foreign languages, SRM, Ramapuram Campus, Chennai
30	15/09/2024 to 17/09/2025	FDP on Design Thinking	ICT Academy in Association with IQAC, Yadava College, Madurai.