

Name: Dr. T. Pradeep

Designation: Assistant Professor & Head

Department: Computer Science with Cyber Security

Qualification: MCA, Ph.D.

Experience: Teaching - 16Yrs +

Research: Nil

Area of Specialization(s): IoT & Cloud Computing

Email: t_pradeep@psgrkcw.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Sri Ramakrishna College of Arts & Science, Coimbatore - 06	2026
MCA	Computer Applications	SNR Sons College, Coimbatore - 06	2009
B.Sc.	Electronics	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Periyanaickenpalayam, Coimbatore - 020	2006

Additional Qualifications

Certification	Area of Specialization	Institution / University / Agency Name	Year
Certification	Analyze Website Visitors with Google Analytics Segments	Coursera	2026
Certification	Overview of Data Visualization	Coursera	2025
Certification	HTML	Spoken Tutorial Project, IIT Bombay	2024
Certification	Data Mining	SWAYAM	2021
Certification	Introduction to Google Docs	Coursera	2021
Certification	Automating the Boring Stuff with Python Programming	Udemy	2021
Certification	Python Programming with Data Science	Udemy	2021
Certification	How to Write and Publish a Research Paper – Complete Guide	Udemy	2021
Certification	Python Pandas Library – Full Tutorial	Udemy	2021
Certification	The Complete English Grammar Course – Perfect Your English	Udemy	2021
Certification	Cloud Computing Basics 101	Coursera	2021

Certification	AI for Everyone	Coursera	2021
Certification	Fundamentals of Management	Coursera	2021
Certification	R Programming	Udemy	2021
Certification	Cloud Computing & Distributed System	NPTEL	2018

Research Publications (Indexed)

Scopus Indexed

S.No.	Title of Paper	Name of Journal / Conference	Year	ISSN / ISBN	Page No.	Vol. / Issue	Impact Factor
1	Energy Efficient Narwhal Optimization-Based Cooperative Routing Protocol for Stable FANETs (NOA-CRP-SFANET)	4th International Conference on Intelligent Computing, Information and Control Systems (ICOIICS 2025), IEEE	Feb 2026	ISBN: 979-8-3315-9898-3	–	–	–
2	Exploring the Security Levels of Cloud Computing and Accessing Data Using Facts Hiding Method	Design Engineering	Sep 2021	ISSN: 0011-9342	12872–12886	Vol. 1, Issue 07	–

Web of Science

S.No.	Title of Paper	Name of Journal	Year	ISSN	Page No.	Vol. / Issue	Impact Factor
1	Fourier Finite Mellin Transform Based Data Hiding Methods for Data Security and Privacy in Cloud	TELEMATIQUE	Sep 2025	ISSN: 1856-4194	1900–1906	Vol. 24, Issue 1	–
2	Perspective View of Cloud Computing Architecture with Internet Technologies for Real Time Applications	International Journal of Future Generation Communication and Networking	Oct 2020	ISSN: 2233-7857	1564–1573	Vol. 13, Issue 4	–

Other Publications: International/National

S.No.	Title of Paper	Name of Journal	Year	ISSN Number	Page No.	Vol. No. / Issue No.	Impact Factor
1	Cosmic AEGIS: An Intelligent Orbital Object Trajectory Prognostication and Proactive Risk Reduction Framework for Advancing Autonomous Spacecraft (Peer Reviewed)	International Journal of Web of Multidisciplinary Studies	June 2026	3049-2424	240 - 249	Vol. 3, Issue 6	-
2	IoT-Based AC Gas Leakage Early Prediction System (Peer Reviewed)	International Journal of Multidisciplinary Research in Science, Engineering and Technology	Mar 2026	2582-7219	1549–1552	Vol. 9, Issue 3	8.206

3	Implement Serverless Machine Learning Inference with AWS Lambda (Peer Reviewed)	International Journal of Advanced Research in Computer and Communication Engineering	Mar 2026	2278-1021 (Online)	181–184	Vol. 15, Issue 3	8.471
4	Real-Time Log Analysis with AWS OpenSearch and Docker (Peer Reviewed)	International Journal of Advanced Research in Computer and Communication Engineering	Mar 2026	2278-1021 (Online)	206–209	Vol. 15, Issue 3	8.471
5	Serverless File Processing Pipeline with AWS Step Functions (Peer Reviewed)	International Journal of Advanced Research in Computer and Communication Engineering	Mar 2026	2278-1021 (Online)	265–270	Vol. 15, Issue 3	8.471
6	AWS Lambda for Serverless Microservices Architecture (Peer Reviewed)	International Journal of Advanced Research in Computer and Communication Engineering	Mar 2026	2278-1021 (Online)	309–313	Vol. 15, Issue 3	8.471
7	An Embedded IoT Peripheral for Touchless Human-Computer Interaction via Gesture and Proximity Sensing (Peer Reviewed)	International Research Journal of Modernization in Engineering Technology and Science (IJRMETS)	Mar 2026	2582-5208	727–739	Vol. 8, Issue 3	8.187
8	Web Based AI Heart Disease Prediction System (Peer Reviewed)	International Research Journal of Modernization in Engineering Technology and Science (IJRMETS)	Mar 2026	2582-5208	1125–1129	Vol. 8, Issue 3	8.187
9	Flood Disaster Helpline System (Peer Reviewed)	International Research Journal of Modernization in Engineering Technology and Science (IJRMETS)	Mar 2026	2582-5208	877–879	Vol. 8, Issue 3	8.187
10	InobFind – AR: An Augmented Reality Based Indoor Object Finding System (Peer Reviewed)	International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE)	Feb 2026	2320-9801	1162–1165	Vol. 14, Issue 2	8.771
11	Hands-Free Control Presentation: A Gesture-Based PowerPoint Control System (Peer Reviewed)	International Journal of Advanced Research in Science, Communication and Technology	Apr 2025	2581-9429	577–579	Vol. 5, Issue 6	7.67
12	Tour En Globe – A Community-Driven Platform for Discovering Hidden Gems	International Journal of Advanced Research in Science,	Apr 2025	2581-9429	580–582	Vol. 5, Issue	7.67

	in Tamil Nadu (Peer Reviewed)	Communication and Technology				6	
13	TOGETHER AI: Combating Social Isolation with Artificial Intelligence (Peer Reviewed)	International Journal of Advanced Research in Science, Communication and Technology	Apr 2025	2581-9429	127–130	Vol. 5, Issue 7	7.67
14	AI With Person's Disabilities (Peer Reviewed)	International Journal of Multidisciplinary Research in Science, Engineering and Technology	Jan 2025	2582-7219	231–233	Vol. 8, Issue 1	7.521
15	Antitheft and Security Control for Android Smartphone (UGC CARE)	International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)	May 2024	2582-7219	10445–10449	Vol. 7, Issue 5	–
16	A Review Internet of Things (IoT) Security Challenge and Issues (Peer Reviewed)	International Journal of Research Publication and Reviews	May 2023	2582-7421	87–91	Vol. 4, Issue 5	–
17	Perspective View of Cloud Computing Architecture with Internet Technologies (UGC CARE)	Journal of the Maharaja Sayajirao University of Baroda	Dec 2022	0025-0422	56–58	Vol. 59, Issue 2	–

Patent

S.No.	Title of the Invention	Application No.	Date of Filing	Publication Date	Grant / Status
1	Urine Analysis Device and a Method Thereof	202241008543	18/02/2022	25/02/2022	Published
2	IoT Based Efficient and Secure Medical Data Transmission in Health Care Applications	202311086444A	18/12/2023	19/01/2024	Published

Book Published

Title of the Book	Publisher	Year of Publication	ISBN Number
Effective E-Order Processing (Effective Order Processing Book 1)	Amazon	January 2021	9798743066513
Voice Assistant and Voice Recognition using Python	Amazon	April 2023	9798391832942
Introduction to Machine Learning Algorithms	Leilani Katie	August 2024	9789363485584

Book Chapter Published

Title of the Book	Publisher	Year of Publication	ISBN Number
Research Trends in Multidisciplinary Subjects - Volume-2 Chapter - “Cloud Computing Ambiances and Consequently the Safety Threats”	Archers & Elevators Publishing House Bangalore – 560 090 India.	September 2021	978-93-90996-67-4 Page No: 69-73
Healthcare Applications in computer vision and Deep Learning Techniques Chapter - Cardiovascular disease detection using Machine learning technology	IIP	March 2024	9789357479738

Short Term Course

S.No.	Title of the Short-Term Course / Training	Organizing Institution / Agency	Duration / Date	Year
1	Innovation Ambassador – Advanced Level Training	MoE’s Innovation Cell & AICTE, Government of India	15 Days; completed 24.05.2025	2025
2	Disaster Management – Short-Term Training Programme	UGC–MMTTC, University of Kerala	05.02.2025 – 11.02.2025	2025
3	Foundation of Stock Market for Beginners	Star International Foundation for Research and Education	23.09.2024 – 27.09.2024	2024
4	Large Language Models Unleashed	SREC Spark Incubation Foundation / RBG.AI	08.01.2024 – 12.01.2024	2024
5	IPR Awareness Training	NIPAM	10.10.2022	2022
6	Augmented Reality & Virtual Reality	Buds Engineering Academy, IEEE Student Branch, IEI & ISTE	21.06.2021 – 25.06.2021	2021
7	Implementation of Outcome-Based Education to Enhance the Quality of HEIs	Sri Ramakrishna College of Arts and Science	15.07.2020 – 21.07.2020	2020
8	Tools for Online Teaching, Learning and Evaluation – Pedagogical Training	Swami Ramanand Teerth Marathwada University	01.07.2020 – 06.07.2020	2020
9	Rural Immersion – Community Engagement	Mahatma Gandhi National Council of Rural Education / MHRD	30.09.2019	2019
10	Virtual Reality Development Using Unity – 3D Game Engine & C#	TNSCST / Sri Ramakrishna College of Arts and Science	24.01.2019 – 25.01.2019	2019
11	Break the ICE: An Introduction to Creating Your First Bot – RPA	Sri Ramakrishna College of Arts and Science	27.08.2018	2018
12	Hello Bot: Introduction to RPA	Sri Ramakrishna College of Arts and Science	27.08.2018	2018
13	SWAYAM Orientation Workshop	Bharathiar University	1 Day	2017
14	Project Genesis: Train the Trainer Programme – Learning English	Infosys, Mysore	10 Days	2014
15	Database Management System – ISTE Workshop	IIT Bombay / RVS College of Engineering and Technology	10 Days	2013

Acted as a Resource Person

S.No.	Role	Programme / Topic	Organizing Institution	Date
1	Coordinator & Evaluator	State-Level 24-Hour Hackathon	Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	18–19 Mar 2026
2	Rapporteur	International Conference	Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	21 Mar 2025
3	Resource Person	AI & Robotic Startups: The Future of Technology	Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	21 Dec 2024
4	Resource Person	Cloud Computing	Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	07 Dec 2024
5	Resource Person	Critical Thinking	Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	13 Aug 2024
6	Resource Person	Microsoft Azure AI Engineering Associate	IQAC, Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	12 Apr 2024
7	Resource Person	LLM Unleashed – Igniting Careers	IQAC, Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	14 Feb 2024
8	Resource Person	Bridge Course – Basics of Computers	Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	05 Jul 2023
9	Resource Person	Students National Seminar – MIMAMSA '21: Recent Trends of Data Science	Research Cell in Collaboration with the Department of Computer Applications, St. John's, Bangalore	04 Jun 2021

Paper Presentations in Conference

S.No.	Title of Paper / Topic	Conference / Seminar	Organizing Institution	Year
1	Smart Pedestrian Detection and Collision Avoidance System	International Conference on Artificial Intelligence & Digital Transformation Strategies for Growth and Sustainability	Nilgiri College of Arts & Science	2024
2	Paper Presented – Title not specified in Resume	AICTE Sponsored Virtual International Conference on <i>Machine Learning and Data Analytics for Business Decision Making</i>	Vivekananda Institute of Information and Management Studies, Tiruchengode	2021
3	Competency Building Strategies in Business and Technology for Sustainable Development	International Seminar on <i>Competency Building Strategies in Business and Technology for Sustainable Development</i>	Sri Ganesh School of Business Management, Salem	2014

Presentations in Seminar

S.No.	Title of Paper / Presentation	Name of Conference / Seminar	Organizing Institution	Date / Year	Nature of Participation
1	Smart Pedestrian Detection and Collision Avoidance System	International Conference on Artificial Intelligence and Digital Transformation Strategies for Growth and Sustainability	Nilgiri College of Arts & Science	23.08.2024	Research Paper Published / Conference Participation
2	Paper presented in Machine Learning and Data Analytics for Business Decision Making	AICTE Sponsored Virtual International Conference on “Machine Learning and Data Analytics for Business Decision Making”	Vivekananda Institute of Information and Management Studies, Tiruchengode	05.03.2021	Paper Presentation

3	Paper presented in Competency Building Strategies in Business and Technology for Sustainable Development	International Seminar on “Competency Building Strategies in Business and Technology for Sustainable Development”	Sri Ganesh School of Business Management, Salem	01.01.2014	Paper Presentation
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Participation in Conference

S.No.	Title of Paper	Conference	Year	Organizer
1	A Decentralized Framework for Secure Generative AI Training Utilizing Blockchain-Enabled Federated Learning	7th International Conference on Computer Applications and Information Technology	Feb 2026	Hindusthan College of Arts & Science
2	Alumni Portal: A Digital Bridge Between Institutions and Their Graduates	International Conference on Advances of Information Technology & Computer Applications for Sustainable Development	Mar 2025	Sri Ramakrishna College of Arts & Science
3	Smart Pedestrian Detection and Collision Avoidance System	International Conference on Artificial Intelligence & Digital Transformation Strategies for Growth and Sustainability	Aug 2024	Nilgiri College of Arts & Science

Participation in Workshop

S.No.	Title of Workshop	Organizing Institution	Date / Duration
1	Foundation of Stock Market for Beginners	Star International Foundation for Research and Education	23.09.2024 – 27.09.2024
2	Large Language Models Unleashed Workshop	SREC Spark Incubation Foundation, Coimbatore & RBG.AI Division of Training & Continuous Learning	08.01.2024 – 12.01.2024
3	Online Teaching Learning and Evaluation – One Week Pedagogical Training for Teachers	School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded	01.07.2020 – 06.07.2020
4	Rural Immersion – Community Engagement	Mahatma Gandhi National Council of Rural Education in collaboration with Sri Krishna Arts and Science College, Coimbatore	30.09.2019
5	Virtual Reality Development Using Unity – 3D Game Engine & C# – TNSCST Sponsored National Level Workshop	School of Computing, Sri Ramakrishna College of Arts and Science (Autonomous), Coimbatore	24.01.2019 – 25.01.2019
6	Swayam Orientation Workshop	Bharathiar University	2017
7	Project Genesis: Train the Trainer Program – Learning English	Infosys, Mysore Campus	2014
8	Database Management System – 10-Day ISTE Workshop	IIT Bombay / RVS College of Engineering and Technology, Coimbatore	Date not specified

Conference Proceedings

S.No	Title of the Paper	Title of the Conference & Proceedings	Month & Year	ISBN	Name of the Organizer/ Publisher
1	Smart Pedestrian Detection and Collision Avoidance System	International Conference on Artificial Intelligence & Digital Transformation Strategies for growth and Sustainability	August 2024	978-81-973477-7-1	Niligiri College of Arts & Science
2	A Decentralized Framework for Secure Generative AI Training Utilizing Blockchain-Enabled Federated Learning (Proceedings)	7 International Conference on Computer Applications and Information Technology	February 2026	ISBN: 978-93-49650-22-0	Hindusthan College of Arts & Science
3	Alumni Portal: A Digital Bridge Between Institutions and Their Graduates	International Conference on Advances of Information Technology & Computer Applications for Sustainable Development	March 2025	-	Sri Ramakrishna College of Arts & Science
	Advances in Information Technology and Innovation In Computer Application For Sustainable Development				
	Into the Labyrinth Of Artificial Intelligence				
	Assist Chatbot				
	Deploy A Java Based Application Using Jenkins Pipeline				

Participation in Faculty Development Programme

S.No.	Title of FDP	Organizing Institution	Date / Duration
1	Data Analytics – Infosys BPM FDP	Infosys, Mysore Campus	17.06.2025 – 19.06.2025
2	Indian Knowledge System – Five-Day National FDP	Ministry of Education (MoE)	26.05.2025 – 30.05.2025
3	Innovation Ambassador – Advanced Level Training Programme	MoE Innovation Cell & AICTE	Completed on 24.05.2025
4	Microsoft Azure AI Engineer – Five-Day National FDP	Ministry of Education (MoE IT), Government of India through E & ICT Academy	17.02.2025 – 21.02.2025
5	Disaster Management – Seven-Day National Short-Term Training Programme	UGC–MMTTC, University of Kerala	05.02.2025 – 11.02.2025
6	Current Trends in Social Science Research and Impact of Technology – Five-Day International FDP	Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	21.10.2024 – 25.10.2024
7	Spoken Tutorial Online Courses – Seven-Day Online FDP	Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	13.02.2023 – 19.02.2023

8	Intellectual Property Rights – Five-Day FDP	Sri Ramakrishna College of Arts & Science (Autonomous), Coimbatore	06.02.2023 – 10.02.2023
9	Recent Research Convergence in Artificial Intelligence and Internet of Things – Five-Day FDP	Bon Secours College for Women	21.11.2022 – 25.11.2022
10	HTML – Seven-Day Online FDP	Department of Computer Applications, Sri Ramakrishna College of Arts & Science, in association with Spoken Tutorial Project, IIT Bombay	01.07.2021 – 07.07.2021
11	Augmented Reality & Virtual Reality – Five-Day FDP	Department of Electronics and Telecommunication Engineering in association with Buds Engineering Academy, Pune	21.06.2021 – 25.06.2021
12	Opportunities and Challenges: Online Teaching with Google Tools	Institution not specified in resume	04.06.2021
13	Managing Online Classes and Co-Creating MOOCs – 15-Day FDP	Ramanujan College, University of Delhi / MHRD	20.04.2020 – 06.05.2020
14	Python 3.4.3 – One-Week FDP	Sri Ramakrishna College of Arts & Science / Spoken Tutorial	25.04.2020 – 29.04.2020
15	Art of Writing Research Article in Hi-Indexed Journals – Two-Day FDP	Nehru Arts and Science College, Coimbatore	29.04.2020 – 30.04.2020
16	Research Methodology – FDP	Bharathiar University Arts and Science College, Pollachi	27.04.2020
17	Quality Initiatives in Higher Education – One-Week FDP	Institution not specified in resume	13.04.2020 – 20.04.2020
18	Salesforce Essentials for Business Specialists – Five-Day FDP	ICT Academy, KSR College of Technology, Tiruchengode	05.08.2019 – 09.08.2019
19	Cloud Computing and Distributed System – NPTEL-AICTE FDP	NPTEL–AICTE	Aug–Oct 2018

Conference/Seminar/Workshop Organized

- Organized 1 Seminar on EC Council – CEH at PSGR Krishnammal College for Women, Coimbatore - 04
- Organized 2 International Conferences at Sri Ramakrishna College of Arts & Science, Coimbatore – 06.
- Organized 10 Seminars at Sri Ramakrishna College of Arts & Science, Coimbatore – 06.
- Organized 24 Hours Hackathon at Sri Ramakrishna College of Arts & Science, Coimbatore – 06.

Grants

S.No.	Title of the Invention	Application No.	Date of Filing	Publication Date	Grant / Status
1	Urine Analysis Device and a Method Thereof	202241008543	18/02/2022	25/02/2022	Granted

Membership in Professional Bodies

Name of the Professional Body	Nature of Membership	Duration
INTI International University, Malaysia	Fellowship	2024–2025
All India Council for Technical Skill Development (AICTSD)	Member – ID: AICTSD/PROFESSOR/572771	Till Date
International Peer Reviewed Research Journal & Book Publication	Member – ID: 913	Till Date
International Association of Engineers (IAENG)	Member – ID: 159029	Till Date
Universal Association of Computer and Electronics Engineers (UACEE)	Associate Member	Till Date
The IRED – Institute of Research Engineers and Doctors	Associate Member – ID: AM101000581737	Till Date
Indgiants Association of Educators & Professional Trainers	Life Member	Lifetime

Awards/Honors

Awards/Honors	Agency/Institute	Year of Award
Kalam award	Silampoli Foundation	2025
Innovation Ambassador Recognition	Institution's Innovation Council (IIC), Ministry of Education's Innovation Cell, Government of India	2024
Institution Image Building Award	Sri Ramakrishna College of Arts and Science	2019
Participation in Social Service Award	Sri Ramakrishna College of Arts and Science	2019
Best Club – YRC/RRC Award	Sri Ramakrishna College of Arts and Science	2019
Best Faculty Citation Award	RVS College of Arts and Science	2013–14
Best Faculty Excellence Award	RVS College of Arts and Science	2012–13

Contribution

- **Amypo Login Coordinator** at PSGR Krishnammal College for Women, Coimbatore.
- **ERP (MIS) Coordinator** at Sri Ramakrishna College of Arts and Science, Coimbatore.
 - Through MIS Entire college details were maintained and **Technical support** has been given to all the faculties.
- **NPTEL – Test Center Administrator** at Sri Ramakrishna College of Arts and Science, Coimbatore.
- **Google Work Space Administrator** at Sri Ramakrishna College of Arts and Science, Coimbatore.
- **App crafters club Convenor** at Sri Ramakrishna College of Arts and Science, Coimbatore.
- **Placement Coordinator - BCA** at Sri Ramakrishna College of Arts and Science, Coimbatore.
- **CDC – Member** at Sri Ramakrishna College of Arts and Science, Coimbatore.

- **Academic Council – MIS Member** at Sri Ramakrishna College of Arts and Science, Coimbatore.
- **SPOC – Bharathiar University** at Sri Ramakrishna College of Arts and Science, Coimbatore.
- **SIP (Student Induction Programme)** Coordinator, Sri Ramakrishna College of Arts and Science, Coimbatore.
- **ICT Academy - Salesforce Admin / Coordinator** at Sri Ramakrishna College of Arts and Science, Coimbatore.
- **YRC & RRC Programme Officer** at Sri Ramakrishna College of Arts and Science from 2018 to 2020.
 - Conducted **more than 500 Social Events along with Bharathiar University, NGO's, Govt Organizations and Private Organizations. (Swachh Bharath, Swachh Hi Seva, Swachh Pakhwada, Swachh Survekshan Activities).**
- **International Students Coordinator** – (Chinese, UK) at RVS College Coimbatore.
- **Internal Auditor (IQAC)** during the academic year 2016-17 (Odd Semester) at RVS College.
 - **Placement Coordinator** during the academic year 2016-17 at RVS College