

**Name** : Mrs. R. Prabha  
**Designation** : Assistant Professor  
**Department** : Computer Science  
**DOJ** : 6.1.2011  
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**Google Scholar:**

<https://scholar.google.com/citations?hl=en&user=boS0IJAAAAAJ>

**Educational Qualification:**

Degree	Subject	College / University & Place	Year Completed
SET	Computer Science and Application	TNSET	2025
NET	Computer Science and Application	UGC	2025
Ph.D Part Time	Computer Science	J.J. College of Arts & Science, Pudukottai, Bharathidasan University	Pursuing Since January 5, 2022
M. Phil	Computer Science	Prist University, Thanjavur	2011
MCA	Computer Application	Arul Anandar College	2004
B. Sc.,	Physics	VVV College, Virudhunagar	2001

**Specialisation in Teaching:**

- Digital Principles C,C++,JAVA,Data Structures,RDBMS, Operating Systems,Computer Network,Web Technologies,Mobile Technologies,Software Engineering.

**Specialisation in Research:** Image Processing

**Research Interests:** Data mining, Image Processing

**Google Scholar:**

Citation - 3  
h-index - 1

**Other Work Experience:**

<b>Designation</b>	<b>Institution / Company</b>	<b>Year – From (month/year) To (month/year)</b>
Assistant Professor	The American College, Madurai	From Jan 2011 to Till date
Software Developer	Riverstone Infotech, Chennai	From June 2004 to February 2006

**Administrative /Academic Position/s (held / currently holding):**

<b>Positions held / currently holding</b>	<b>Year – From (month/year) To month/year)</b>
Library Committee (Member)	July 2014 – Till date
Service Learning Program –Project Associate –Child Support Work in Orphanages	June 2017 – Till date
<b>Department Level:</b> NAAC Working Committee (Member)	July 2012 – Till date
Admission Work (Member)	July 2012 – Till date
Academic Advisor	July 2012 – Till date

**Conference / Seminar Presentations:****Publications in Conferences and International**

<b>S.No</b>	<b>Paper Title</b>	<b>Name of the Conference</b>	<b>Place &amp; Date</b>
1.	Periyar’s views about women’s empowerment	International conference on Women Empowerment & Social Sciences	The American college 2015.
2.	Empowering women farmers through information technology	International Conference on “Women and Power	The American College, 2017.
3.	Techniques used in biometric recognition	Global talent management in the digital era	Fatima college.2017
4.	Detection of Mildew disease on crops using Edge Detection Techniques	International Conference on Digital Transformation-2020	The American College, 2020

5.	A Systematic review of Advanced Approaches for Pest Detection and Monitoring in Vegetable Crops	International conference on Emerging Trends and Research in Professional Development of Faculties in Multi-Disciplinary Domains	Jan Nayak CH.Devi LAL (PG) College of Education, HRY, 2023
6.	Utilizing Image Processing for Timely Pest Detection in Tomato Farming	International Conference on Data Transformation	The American College, 2023

### Details of research papers published in Peer referred Journals

Name of the faculty	Title of paper	Name of Journal	Year of publication	ISSN number	UGC care list /Web of Science/ SCOPUS/PubMed	DOI link
	A High-Performance Pest Detection and Classification Model Using Pyramid U-Net Fusion Network (PUFNet) and Partial Reinforcement Optimizer (PaFO) for Precision Farming	International Journal of Electronics and Communication Engineering, ISSN: 2348-8549. G-II-Scopus	2025	ISSN: 2348-8549.	SCOPUS	<a href="https://www.internationaljournals.org/IJECE/2025/Volume12-Issue5/IJECE-V12I5P112.pdf">https://www.internationaljournals.org/IJECE/2025/Volume12-Issue5/IJECE-V12I5P112.pdf</a>
R.PRABHA	Modified RESNET50 with Attention module for Detection and Classification of Pests in Vegetable crops	Journal of Advanced Research in Applied Sciences and Engineering Technology	2024	ISSN: 2462-1943 VOL 63	SCOPUS	<a href="https://semarakilmu.com.my/journals/index.php/applied_sciences_eng_tech/article/view/10962/12908">https://semarakilmu.com.my/journals/index.php/applied_sciences_eng_tech/article/view/10962/12908</a>

A Systematic review of Advanced Approches for Pest Detection and Monitoring in Vegetable Crops	International conference on Emerging Trends and Research in Professional Developmemnt of Faculties in Multi Dicipilinary Domains	May 2023	ISSN: 2319-8354 Vol 12	Peer reviewed journal	<a href="http://www.ijarse.com/images/fullpdf/168517424718.pdf">http://www.ijarse.com/images/fullpdf/168517424718.pdf</a>
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### Seminar/ webinar attended

S.No	Webinar/ seminar	Institution	Date
1	Artificial Intelligence and Data Science	Annamachariya Instiutite of Technology and Science	1.7.2020-3.7.2020
2	Learning Management system using canvas instructor	National	25.06.2020
3	Teacher Vs learner: Impact of Covid 19 in colleges(IQAC) Ladies Club of The American college	The American college	22.7.2020
4	The Power to change the World. Ladies Club of The American college	The American college	8.3.2021
5	Cyber Security Trends in 2020 and Beyond	The American college	13.06.2020
6	Women at Risk Blossom	The American college	9.6.2020
7	Self-awareness and social responsibility during covid-19 pandemic	The American college	13.06.2020
8	A andemic year for women: what are we learning?	The American college	30.6.21
9	Promoting ikigai to arise and shine	The American college	29.7.21
10	It portfolio management using jira	Madurai sivakasi nadars pioneer meenakshi women's college, poovanthi	28.1.2022
11	Technological innovation and artificial intelligence	Mannar thirumalai naicker college with ict academy	6.4.22
12	Professional Development Programme on Research Writing &	The American college	12.07.2022 – 19.07.2022

	Methodology		
13	National Level Webinar on Research and Publication Ethics	Saveetha college of Liberal Art and Science	21.7.2022
14	International conference on Emerging trends in cyber security	The American College	20.12.22
15	Seminar on Quantum Computing	Thiyagarajar College	12.1.2023
16	“Chat GPT - A step forward to Conversational Excellence”	Yelagiri Hills ACM Professional Chapter & PG Department of Computer Science, Don Bosco College (Co-Ed)	6.7.2023

### Workshop Attended

S.No	Title	Institute	Date
1	Research initiation to publication	Kalasalingam academy	5.8.2018
2	Artificial intelligence and future of IT in machine learning Age	Sri Meenakshi GovtArs college	1.4.2019
3	Artificial Intelligence and Machine Learning	Fatima College	26.9.2019
4	Data science and Big data	Arul Anandar college	10.1.2020
5	Emerging trends 2.0	Bit institute of technology in association with huddle rise academy	7.6.21- 11.6.21
6	Innovations in Artificial Intelligence and Machine Learning	Nehru Institute of Engineering and Technology	17.08.2023 - 18.08.2023
7.	“Case study Data Science and AI Application	Sri Meenakshi Government Arts college for women	30 .8.2023
8.	Interactive and Gamified Learning:Pedagogical Approaches for Teachers in Arts, Science and Engineering	Thiagarajar College of Engineering,	22.11.2024 to 23.11.2024

### FDP Attended

S.No	FDP Name	Institution	Date
1	Recent trends in Digital Technologies	The American College, Madurai	07.07.2020- 11.07.2020
2	Data Science Prerequisites	The Standard fireworks Rajaratnam college for women	15.7.2020- 18.7.2020
3	Recent Research Directions in Applying Deep learning for health information	ArulMiguKalasalingam College of Arts and Science, Krishnankoil.	19.05.2021

4	Perceptions of Research, paper publication and overview of patent Filing	SRM Institute of science and technology	25.08.2021 to 27.08.2021
5	Innovative Teaching – Learning Strategies for modern Pedagogy	Ayya Nadar Janaki Ammal College with CTEL	21.9.21- 23.9.21
6	Stratergies to crack ugc NET/SET	Hindustan college of arts and science	11.10.21- 21.10.21
7.	Stress management	Sathyabama institute of science and technology	24.01.2022 to 29.01.2022
8	Auto ML	Lady Doak College	4.3.22
9	Research and Publication Ethics	Sri.S.Ramasamy Naidu College	13.2.2023 to 17.2.2023
10	National level FDP intellectual property awareness mission	NIPAM	20.2.2023
11	National FDP on Artificial Intelligence /Machine Learning/Deep Learning	DRK college of Engineering and Technology	20.2.2023 - 24.2.2023
12	International Conference on Data Transformation ICDT'23	The American College	20.4.2023- 21.4.2023
13	FDP on Role of Artificial Intelligence in Power Sector	PSN College of Engineering	29.5.2023- 02.06.2023
14	International conference on Emerging Trends and Research in Professional Development of Faculties in Multi-Disciplinary Domains	Jan Nayak CH.Devi LAL (PG) College of Education,HRY,2023	27.5-2023 to 28.5.2023
15	International virtual FDP Recent Trends on Research Methodologies , Tools and Techniques	K.G College of Arts and Science, Coimbatore	10.7.2023 to 15.7.2023
16	FDP on Full Stack Development	Kamaraj College of Engineering, Madurai	11.07.23 - 15.07.23
17	Research Innovation Patening and quality Publications	Fatima college, Madurai	26.2.2024 to 28.2.2024

#### Other Activities / Academic Credentials:

- Question Setter - Mannar Thirumalai Naicker College  
- Yadava college.
- Additional Examiner - MKUniversity  
- Mannar Thirumalai Naicker College  
- Yadava College  
- External Examiner - Fatima College, Mannar Thirumalai Naicker College