

BIODATA

NAME & QUALIFICATION : VIJI PARTHASARATHY, MS IT.,
MCA., M.PHIL.,(Ph.D)



DESIGNATION : Assistant professor

DEPARTMENT NAME : Computer Applications

Email id : vijiparthasarthy@sigc.edu

Official id : vpsdept@gmail.com

Area of Specialization : AI and ML

Research Experience : M. Phil., A Project done on “A Comparative
Study of Networking”

Teaching Experience : from 2003 in both UG and PG Classes

Seminars, Conferences, Symposia, Workshops Attended:

(Paper Presented and published)

International				
S. No	Seminar/workshop/ conference	Title	Date	Place
1	Seminar	Future Scenario of IT	1 st Sep 2006	Dhanalakshmi Srinivasan College of Arts & Science (W), Perambalur.
2	Workshop	Statistics for Proteomics and Clinical Research 2012	7 th August 2012	Bharathidasan University, Khajamalai Campus.
3	Conference on DIGITAL INDIA- Unfolding Opportunities and Challenges	PAPER PRESENTED Ground water Recharging using Decision Support System And Algorithms	2 nd and 3 rd March 2013	Vivekanandha Institute of Information and Management Studies, Thiruchegode, Namakkal

4	Conference organised by Primax Foundation and AAryaBuisness College Singapore	PAPER PRESENTED Edge Based Three-Tier Cyber Security Architecture for Smart Cities	4 th June 2019	Life Long Learning Academy, Arumugam Road, Singapore 409957
5	Conference Organized by Primax Foundation and Gulf American University, DUBAI	IOT Security Scheme Selector Based on A Survey	1 st April 2020	ISBN: 978-81-941390-4-1 Gulf American University, DUBAI
6	PAPER PUBLISHED	Genetic Algorithm Based Botbet Detection in Internet of Things, AC JOURNAL, VOLUME IX, ISSUE V, MAY 2020	May 2020	ISSN NO: 2231-3990
7	Conference organized (5 DAYS)	Signal, Communication, Embedded System	14 th to 18 th Oct 2020	

National Level				
S. No	Seminar/worshop/conference	Title	Date	Place
1	Seminar	PAPER PRESENTED BPO	12 th February 2005	Navarasam Arts and Science College (W), Erode.
2	Technical Symposium	IT Dimensions	28 th and 29 th July 2006	Dhanalakshmi Srinivasan College of Arts and Science (W), Perambalur.
3	Conference	Frontier Research Areas in Computer Science	17 th and 18 th August 2006	Dhanalakshmi Srinivasan College of Arts and Science (W), Perambalur.
4	Seminar	Animation Based Gaming Entertainment Computer and	13 th and 14 th March 2009	BUTP, Kajamalai Campus, Trichy.

		Education.		
5	Conference (DST sponsored) On Applications of Data Mining on National Security	PAPER PRESENTED GIS Data Mining for Artificial Recharge of the ground water Aquifer in Sub Water Shed ISBN No: 978-93-80697-51-2	30 th and 31 st August 2010	Sri Chandrasekarendra Saraswathi Viswa Mahavidyalaya, Enathur, Kancheepuram
6	Conference	Paper Presented on Data Mining	7 th March 2011	Fathima College, Madurai
7	Seminar	High Performance Computing	23 rd Feb 2012	Shrimathi Indira Gandhi College
8	Workshop	Recent Trends in Human – Computer Interaction	28 th Feb 2015	Hotel Sangam
9	Workshop	NAAC Awareness Programme	27 th and 28 th 2019	Nagadevanahalli, Bengaluru-56
10	Webinar(2 DAYS)	Developing JSF Web Application with Hypertext and Ajax Approach	6 th June 2020	Bishop Heber College, Trichy

Regional Level				
S. No	Seminar/workshop/conference	Title	Date	Place
1	Workshop	I ³ – Industries Institutions Interactions	6 th and 7 th January 2005	Hotel Sangam, Trichy conducted by Shrimathi Indira Gandhi College, Trichy.
2	Workshop	Youth Development Studies	30 th and 31 st May 2006	Bharathidasan University, Trichy
3	Workshop	Information Communication	21 th November 2009	Shrimathi Indira Gandhi College,

		Technology -Trends		Trichy.
Faculty Development Programme				
S. No	Seminar/worshop/ conference	Title	Date	Place
1	FacultyDevelopmentProgramme	Effective Paper Presentation & Article Publishing	5 th & 6 th August 2010	Ethiraj College for Women, Chennai.
3	FacultyDevelopment Program(2 Days) by ICT Academy	Mobile App Development	16 th and 17 th Decdmber 2015	Shrimati Indira Gandhi College, Trichy
4	FacultyDevelopment Program(5 Days) by ICT Academy	Data science and Big Data Analytics	14 th November - 18 th November 2016	Kongunadu College of Engineering and Technology, Trichy
5	Faculty Development Programme (2 Days)	Block Chain Technology		MITS – Mandanapalle

Certificate course/ Training Programme				
S. No	Certificate/Training	Title	Date	Place
1	LaTex Training (Spoken Tutporial)	LaTeX	5 th & 6 th August 2010	Ethiraj College for Women, Chennai.
2	TrainingProgramme	Certificate in .NET Programming	11 th August to 19 th August 2010	Saranathan College of Engineering, Trichy
3	FacultyDevelopment(2 Days) by ICT Academy	Mobile App Development	16 th and 17 th Decdmber 2015	Shrimati Indira Gandhi College, Trichy
4	FacultyDevelopment Program(5 Days) by ICT Academy	Data science and Big Data	14 th November -	Kongunadu College of

		Analytics	18 th November 2016	Engineering and Technology, Trichy
5	Faculty Development Programme (2 Days)	Block Chain Technology	30 and 31 st may 2020	MITS – Mandanapalle

CERTIFICATE COURSES

6	ICT LEARNATHON	2 months	May, June 2020	10 Various Courses under ICT
7	Digital Teaching Techniques	5 DAYS	29 TH June 2020 to 04 th July 2020	ICT Academy
8	Data Science with Python	5 DAYS	18 th may 2020 to 23rd May 2020	ICT Academy
9	Microsoft Certrification	5 DAYS	April 2021	AI Class Room Series
10	Fundamentals of AI and ML	5 DAYS	10 th May 2021 to 14 th May 2021	ICT Academy
11	Python Made Simple	10 Days	3 rd June 2021 to 12 th June 2021	Inspire Solutions, Chennai

2024

1. Participated I NEP 2020 Orientation Programme from 19th Feb to 28th Feb 2024 by Malavia Mission Teacher Training Programme
2. Attended in 5 days National level FDP on “Teaching Pedagogy” from 26th Feb to 1st March 2024 organized by MAR GREGORIOS COLLEGE OF ARTS & SCIENCE, Chennai - 600 037
3. Attended in 3 days FDP on “Redefining Research Skills: Enriching Research and Publications” from 3rd to 5th July 2024
4. Paper presented in an International conference on “A Comprehensive Survey of IoT and Machine Learning Innovations in Agriculture”, organized by G. Narayanamma Institute of Technology & Science, Hyderabad and Global Conference, Coimbatore on 24th and 25th July 2024.
5. A paper published in an International Research Journal on Advanced Science Hub 2582-4376 www.rspsciencehub.com Vol. 06, Issue 08 August 24.
6. A certificate course on Mongo-DB completed in August 2024.

2022-2023

1. Volunteered as a Resource person for Spoken English to the students of Rural area under Lady Hawk from 10.01.2022 - 25.01.2022.
2. A Chapter in Scopus Indexed – edited book has been peer-reviewed and approved for publication in Jan 2023 and title of the book is Impact of COVID-19 on media and entertainment (ISBN Number:978-93-90153-02-2)

AS A RESOURCE PERSON

- 1)Delivered a talk 12 characteristics of an on effective Teacher during International Seminar on Best Qualities of Effective Teacher" for teachers day celebration conducted by Bestow Edutrex, Mumbai.
- 2)Resource Person in an International One day Workshop on "Mentoring the Mentor" held on 2nd Oct 2022
- 3) Resource person in an International One day Orientation programme on “Academic, Integrity, Diversity and Quality in Education” on 5th November 2022
- 4)Resource Person in a workshop, delivered and demonstrated on Machine Learning using Python and Cloud at SRM Institute of Science and Technology, College of Science and Humanities, Chennai on 13.04.2022.

National:

- 1) Participated in National Level Webinar on “Career Opportunities in Life Sciences”on 2 nd Fen 2022 organised by School of Basic Sciences, Faculty of Arts and Science, BIHER, Chennai.
- 2) Paper presented on “Best Practice – I Eco Friendly Initiatives” in the one day National Level Conference on “Institutional Values and Best Practices” by IQAC of VHN Senthikumara Nadar College, Virudhunagar, on 24 th March 2023.
- 3) Participated in National IP Awareness Mission Program on “ National Intellectual Property Awareness Mission” on April 26,2023.

FDP

7. FDP on Internet of Things conducted by NPTEL- AICTE from Jan - April 2022.
8. Participated in 5 days Cloud Practitioner Program and received certificate , conducted by ICT Academy at Jamal Mohammed College, Trichy from 26th Dec 2022 to 30th Dec 2022.
9. FDP on “TABLEAU” on 24th June 2022 organized by Department of Computer science, Shrimati Indira Gandhi College, Trichy.

INTERNATIONAL LEVEL

1. Participated in the one-day International Workshop on “Data Handling and Visualization Using Python” organized by the PG and Research Department of Computer Science of Nehru Memorial College on 25th August 2022.
2. International 5 days’ Workshop on Machine Learning - A deep Dive from 17th to 19th Dec 2022.
3. International Conference on Intelligent Solutions for Emergency Responsive Systems at NIT, Trichy from 9th to 11 th Jan 2022.
4. Presented a paper in International conference on Recent trends in Cyber Security on 15 th December 2021 conducted by Shrimati Indira Gandhi College.

Certificate Courses

- 1) One Month Certificate Course on **Python Made Simple (Basic & Advanced)** by Inspire Softech Solutions, Chennai
- 2) A 3 Months Certificate Course on **Machine Learning Using Python** conducted at SRM Institute of Science and Technology, College of Science & Humanities, Chennai from 20.09.2021-16.12.2021
- 3) Completed a course on “**Internet of Things**” in April 2022 on SWAYAM Platform with **ELITE grade**.
- 4) Completed UI Path Certification course on 27/05/2022.
- 5) Completed a Professional Certification and received a certificate as “**Certified Corporate Trainer**” on 28th June 2022
- 6) Achieved the **certification of Azure AI Engineer Associate** on 4th Feb 2023 in Microsoft Azure.
- 7) Completed Certification course on **AWS Academy Cloud Foundations** from 27/03/2023 to 31/03/2023 and received a certificate.

PATENTS

1. Indian design patent titled “Twitter Sentiment Analysis using Machine Learning in Python” The Patent Office Journal. 49/2021 dated 03/12/21
2. Indian design patent “IoT based automated PILL Dispenser “ with design number: 410999-001 granted on 19th Mar 2024.
3. Indian design patent “Device for Face Detection and Recognition “ with design number: 407918-001 granted on 17th Feb 2024.
4. Indian Design patent titled “Artificial Intelligence Based-nerve Activation Device for Health Care Treatment” with design number 414465-001 granted on 22/04/24
5. UK design patent titled " Smart Crop Health Monitoring Device " with Design number: 6355225, granted on 25th March 2024.
6. Indian design patent “ARTIFICIAL INTELLIGENCE BASED NERVE ACTIVATION DEVICE FOR HEALTHCARE TREATMENT “ with design number: 414465-001 granted on 22nd April 24

BOOKS:

Published 4 books:

1. Java with Coffee - An Effortless Reading (ISBN/ISSN Number: 978-1-68576-220-9) on Dec 2021.
2. A hand Book on Python Programming, ISBN NUMBER: 979-8886844023 on 12th May 2022.
3. Artificial Intelligence and Machine Learning, ISBN: 978-93-91347-72, in the year 2023 .
4. Artificial Intelligence and Expert Systems, ISBN: 978-93-341-5454-2, in2024

Co Curricular Activities:

- ✓ Course –in-Charge for PG Diploma Course for the year 2007-Sep2010 and Course-in-Charge for B.Sc. Computer Science from Oct 2010-2013.
- ✓ Handled Classes for Certificate Courses GIS,BPO, PGDCA, DEO

Membership/ Participation in Bodies/Committees:

- ✓ Life Member of ENANBLE TRUST
- ✓ Member of Lions Club of Tircuhirappalli (LCIF).
- ✓ Acted as EXNORA Coordinator in Dhanalakshmi Srinivasan College of Arts and Science for women, Perambalur in the year 2006-2007.

- ✓ Acted as Association Secretary in the Department of Computer Science in the year 2008-2009 & 2010-2011 in Shrimati Indira Gandhi College.
- ✓ Acted as Fine Arts Coordinator in 2011-2012 and in 2019
- ✓ Pursuing Ph.D in the field of Agriculture