

RESUME

Name : G.SIVAKAMASUNDARI
Designation : Associate Professor
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Personal Details

Age : 52
Date of Birth : 13/06/1973
Sex & Marital Status : Female & Married
Citizenship : Indian

Educational Qualification

Educational Qualification	Branch	Name of the Institution/University	Year	% of Marks	Class /Division
MCA	Computer Science	Alagappa University, Karaikudi	May 1997	68%	First Class
ME	CSE	PSNACET, Dindigul, Anna University, Chennai	June 2006	78%	First Class with Distinction
Ph.D	Computer Science & Engineering	Manonmanium Sundaranar University, Tirunelveli	Oct 2020		Completed Viva on 22/10/2020

Professional Experience (In chronological order)

Designation	Institution/Organization	Period	Nature of Duties
Associate Professor	National Engineering College, Kovilpatti	01/04/2025 to Till date	Teaching and research
Assistant Professor(SG)		01/09/2018 to 31/03/2025	
Assistant Professor		01/11/2011 to 31/08/2018	
Lecturer		01/06/2006 to 31/10/2011	
Lecturer	Mohammed Sathak Engineering College, Kilakarai	20/06/1999 to 21/07/2004	Teaching
Overall Experience 24 years 11 months			

Courses Handled: Data Structures, Computer Architecture and Organization, Problem Solving Techniques in C, DBMS, Java Programming, Artificial Intelligence, Python Programming

Membership in Professional Bodies

Name of Society	Grade of Membership
Indian Society for Technical Education	Life Membership

Special Achievements:

- Got 5% topper and Silver Elite in NPTEL's 'Exploratory Data Analysis for Data Science with R software' Apr 2026
- Got 2% Topper and Golden Elite in NPTEL's 'Programming in Java' online course in Oct 2023
- Received Certification of appreciation as NPTEL Discipline Star Jul-Dec 2023
- Participated in SIH Grand Finale 2022 at Gujarat Technological University, Ahmedabad, Gujarat.
- Got Golden Elite in NPTEL's 'Python for Data Science' online course in Feb 2022
- Got A+ grade in "Database Management System through INFYTQ Platform" in August 2020.
- Got 5% Topper and Golden Elite in NPTEL's 'The Joy of Computing using Python' online course in Oct 2019

List of International Journals

S.No.	Name of the Authors	Title of Paper	Name of Journal	Page No. & Vol	Year of publication
1.	G.Sivakamasundari, Dr.V.Seenivasagam	Classification of Leaf Diseases In Apple using Support Vector Machine	Journal of Advanced Research in Computer Science	Vol.9, No.1,pp. 261-265	2018
2.	G.Sivakamasundari, Dr.V.Seenivasagam	Leaf Disease Classification Using Artificial Neural Networks and Decision Tree	Journal of Image Processing & Pattern Recognition Progress	Vol.5, Issue1, pp.26-32	2018
3.	G.Sivakamasundari	Video authentication and data hiding using digital water marking	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)	Vol. 5, Special Issue5, pp.3-6	March 2018
4.	G.Sivakamasundari	Online Election Application	International Journal of Scientific & Technology Research (IJSTR)	Vol.9, Issue01, pp.4246-4249	Nov 2019
5.	G.Sivakamasundari	Stock Picker using Machine Learning	International Journal of Recent Technology and Engineering (IJRTE)	Vol.8, Issue 6, pp.3912-3914	March 2020

6.	Dr.G.Sivakamasundari	Sales prediction using machine learning	AIP Conference Proceedings	Volume 2444, Issue1	March 2022
7.	Dr.G.Sivakamasundari	Efficient management of files in the cloud using a desktop application	AIP Conference Proceedings	Volume 2444, Issue1	March 2022
8.	G.Sivakamasundari	Identifying the Optimal Location to Set up an Emergency Room Using Machine Learning Algorithms	PERIODICO di MINERALOGIA	Volume 91, No.4, 2022	August 2022
9.	Dr.G.Sivakamasundari	A Study on Different Deep Learning Algorithms used in Deep Neural Nets: MLP SOM and DBN	Wireless Personal Communications	https://doi.org/10.1007/s11277-022-10079-4	October 2022
10.	Dr.G.Sivakamasundari	Facial Emotion Recognition using Deep Learning Approach	IEEE Explore	10.1109/ICACRS55517.2022.10029092	February 2023
11.	Dr.G.Sivakamasundari	HR Tech Analyst: Automated Resume Parsing and Ranking System through Natural Language Processing	IEEE Explore	10.1109/ICACRS58579.2023.10404426	January 2024
12.	Dr.G.Sivakamasundari	Smart PDF Inquiry Hub: A Comprehensive Solution for Efficient PDF Document Querying and Information Extraction	IEEE Explore	10.1109/ICOECA62351.2024.00045	August 2024
13.	Dr.G.Sivakamasundari	Enhancing Assessments: A Comparative Study of T5 and BART Transformer for QG	IEEE Explore	10.1109/ICCMC65190.2025.11140610	September 2025

List of International Conference

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year
1.	G.Sivakamasundari, Dr.V.Seenivasagam	Different Relevance Feedback Techniques in CBIR: A Comparative Study	IEEE International Conference on Computing Electronics and Electrical Technologies	21/03/2012 & 23/03/2012
2.	G.Sivakamasundari	Homogeneous and Heterogeneous intrusion detection system in Mobile Adhoc Networks	International Conference on Computing trends and intelligent data Engineering	07/11/2014 & 08/11/2014

3.	G.Sivakamasundari	Apple Leaf Disease Identification using Support Vector Machine	International Conference on Emerging Trends in Applications of Computing ICETAC2K17	2017
4.	G.Sivakamasundari	Diagnosis of Grape leaf Diseases using K-means clustering and Neural network	International Conference on Emerging Trends in Applications of Computing ICETAC2K17	2017
5.	G.Sivakamasundari	Ad viewability prediction on web	International Conference on Applied Soft Computing Techniques ICASCT-2018	23/03/2018
6.	G.Sivakamasundari	Performance Analysis of Epidemic and Prophet Routing Protocol in delay tolerant network	International Conference on Information, Embedded and Communication Systems ICIECS-2019	22/03/2019
7.	G.Sivakamasundari	Product Review Sentiment Analysis	IEEE International Conference on Emerging Technologies and Applications for a smart and sustainable world	16/12/2021 to 18/12/2021
8.	Dr.G.Sivakamasundari	College Info Chatbot	IEEE International Conference on Emerging Technologies and Applications for a smart and sustainable world	16/12/2021to 18/12/2021
10.	Dr.G.Sivakamasundari	Tomato Leaf Disease Detection with Precaution using EfficientNet-B3	6 th International Conference on Innovation Trends in Information Technology (ICITIIT'25)	Feb 2025
11.	Dr.G.Sivakamasundari	Moving Vehicles counting and detection using Deep Neural Networks based YOLO-NAS algorithm	6 th International Conference on Innovation Trends in Information Technology (ICITIIT'25)	Feb 2025
12.	Dr.G.Sivakamasundari	Potato Leaf Disease Detection using Deep Learning	International Conference on Intelligent Computing and Control Systems (ICICCS'25)	March 2025
13.	Dr.G.Sivakamasundari	AI-driven Smart Document Verification and inconsistency Detection System	International Conference on Advanced Computing and Communication Technology (ICACCT'26)	27 March 2026
14.	Dr.G.Sivakamasundari	Deep Sequential Modeling of Multi-Asset Financial Time Series via Long Short Term Memory(LSTM) Networks	International Conference on Deep Tech and Sustainable Engineering Solution (ICoDSES-2026)	26 & 27 March 2026

15.	Dr.G.Sivakamasundari	Predictive Intelligence Model for Plant Leaf Disease Detection	International Conference on Deep Tech and Sustainable Engineering Solution (ICoDSES-2026)	26 & 27 March 2026
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List of National Conferences

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year
1.	G.Sivakamasundari	Role of Engineering Faculties and Students for Global Expectations	ISTE TN & P Annual Convention	08/11/2014
2.	G.Sivakamasundari	Sales Prediction using Machine Learning	AICTE sponsored National online conference on Data Science and Intelligent Information Technology	14/05/2021 & 15/05/2021
3.	G.Sivakamasundari	Efficient Management of files in the cloud using a desktop application	AICTE sponsored National online conference on Data Science and Intelligent Information Technology	14/05/2021 & 15/05/2021

List of Seminars / Workshops Attended

S.No	Institution	Topic	Course Detail	Date
1.	NPTEL	Exploratory Data Analysis for Data Science with R software	FDP	Jan to Apr 2026
2.	TCS APEX	Artificial Intelligence	FDP	18/08/2025 to 17/09/2025
3.	ICT Academy	Microsoft Power BI Data Analyst Associate	FDP	26/05/2025 to 30/05/2025
4.	ATAL Academy	Generative and Ethical AI: Techniques and Applications	FDP	20/01/2025 to 25/01/2025
5.	Thiagarajar College of Engineering, Madurai	Demystifying Large Language Models with Responsible AI	FDP	19/08/2024 to 23/08/2024
6.	AICTE ATAL Skill India and edunet Foundation	Building advanced Data Analytics Applications with Cloud	FDP under Next Gen Employability Program	18/12/2023 to 22/12/2023
7.	IBM SkillsBuild	Data Analytics with Cognos	Faculty Buildathon	21/11/2023 to 2/12/2023
8.	NPTEL	Design Thinking–A Primer	FDP	Jul to Aug 2023
9.	IIIT Kalyani, West Bengal	Statistical and Machine Learning Techniques with Applications	FDP	2/1/2023 to 6/1/2023
10.	NPTEL AICTE	Python for Data Science	FDP	Jan to Feb 2022

11.	NIT, Warangal	Python for Artificial Intelligence and Machine Learning	FDP	6/09/2021 to 10/09/2021
12.	Institute for Academic Excellence(IAE) & Technical education Department, Telangana	Research Paper Publication	Research Webinar	28/08/2021
13.	Mathworks Training Services	Machine Learning with Matlab	Workshop	14/12/2020
14.	Mathworks Training Services	Deep Learning with Matlab	Workshop	15/12/2020 & 16/12/2020
15.	AICTE	Inculcating Human Values in Technical Education	workshop	2/11/2020 to 6/11/2020
16.	National Engineering College, Kovilpatti	Faculty Development program on Entrepreneurship	DST sponsored DP	02.12.2019 to 14.12.2019
17.	Pondicherry Engineering College, Puducherry	Big Data Analytics with HADOOP	TEQIP-III sponsored Workshop	10.10.2019 & 11.10.2019
18.	National Engineering College, Kovilpatti	Artificial Intelligence and Deep learning	3 days workshop by leadingindia.ai	28/12/2018 to 30/12/2018
19.	National Engineering College, Kovilpatti	Algorithmic Game Theory	IARCS technically sponsored 2 days Instructional course	20/07/2018 to 21/07/2018
20.	Jilaba Software Services Ltd., Chennai	Java and SQL	One week Industrial Training	10/09/2018 to 16/09/2018
21.	MNIT,Jaipur	GIAN Course on Advanced Pattern Recognition Techniques	FDP	26/03/2018 to 30/03/2018
22.	National Engineering College, Kovilpatti	Technology Enabled Learning Process	Workshop	May 2017
23.	National Engineering College, Kovilpatti	Research Aspirants Meet	Workshop	07/01/2016 & 08/01/2016
24.	National Engineering College, Kovilpatti	Formulation of Research and Development Grant Proposals by Scientists and Technologists	Workshop	18/11/2015& 20/11/2015
25.	Sri Ramakrishna Engineering College	Recent Trends in Embedded Systems Design	AICTE Sponsored two weeks summer winter school	11/05/2015to 24/05/2015
26.	National Engineering College, Kovilpatti	NPTEL workshop	NPTEL workshop	20/03/2015
27.	National Engineering College, Kovilpatti	Empowering Indian Engineering Education for Global Expectations	ISTE TN&P Annual Convention	07/11/2014& 08/11/2014

28.	IIT, Madras	NPTEL Online Certification Course for Mentors	NPTEL Workshop	15/03/2014
29.	IIT, Madras	NPTEL Online Certification Course	NPTEL Workshop	25/02/2014
30.	Mepco Schlenk Engineering College, Sivakasi	Applications of Evolutionary Techniques for Satellite Image Processing	FDP	20/05/2013 to 02/06/2013
31.	Mepco Schlenk Engineering College, Sivakasi	Recent Trends and Research Issues in Semantic Based Image Analysis	Seminar	10/10/2012 & 11/10/2012
32.	National Engineering College, Kovilpatti	Smart Ph.D Planning	Workshop	11/08/2012
33.	National Engineering College, Kovilpatti	Network Programming and Management	Staff Development Programme	07/06/2012 to 12/06/2010
34.	National Engineering College, Kovilpatti	Mission10X Advanced Workshop	Wipro Sponsored Staff Development Programme	31/03/2010 to 01/04/2010
35.	National Engineering College, Kovilpatti	High Impact Teaching Skills	Staff Development Programme	30/11/2009 to 04/12/2009
36.	National Engineering College, Kovilpatti	Number Theory and its Recent Research Directions In Cryptography	CSIR Sponsored National Seminar	05/06/2009 & 06/06/2009
37.	National Engineering College, Kovilpatti	Matlab and its applications	Workshop	02/01/2009 & 03/01/2009
38.	KLN College of Information Technology, Madurai	C# and .NET	Workshop	17/07/2008 & 18/07/2008
39.	SSN College of Engineering, Chennai	Theory of Computation	FDTP	21/05/2007 to 02/06/2007
40.	National Engineering College, Kovilpatti	Research Motivation	Workshop	10/11/2006 & 11/11/2006

Online courses attended

S.No	Topic	Course Detail	Date
1.	Exploratory Data Analysis for Data Science with R software	NPTEL, 12 weeks	Jan-Apr 2026
2.	Database Design	ORACLE Academy	06/04/2026
3.	Search Engine Optimization (SEO) with Squarespace	Coursera	18/03/2026
4.	Prompt Engineering	INFOSYS	24/12/2025
5.	Introduction to OpenAI GPT Models	INFOSYS	23/12/2025
6.	Generative AI Landscape	INFOSYS	22/12/2025
7.	AI-first Software Engineering	INFOSYS	22/12/2025

8.	Introduction to Large Language Models	Coursera	04/03/2025
9.	Computer Vision	INFOSYS	21/02/2025
10	Introduction to Robotic Process Automation	INFOSYS	19/02/2025
11	Introduction to Deep Learning	INFOSYS	18/02/2025
12	Introduction to Artificial Intelligence	INFOSYS	17/02/2025
13	Introduction to Data Science	INFOSYS	15/02/2025
14	Programming in Java	NPTEL 12 weeks	Jul-Oct 2023
15	Design Thinking–A Primer	NPTEL ,4 weeks	Jul–Aug 2023
16	Python for Data Science	NPTEL ,4 weeks	Jan-Feb 2022
17	Getting Started with Data Analytics on AWS	Coursera	15/10/2021
18	Python for Data Science	Sololearn	04/09/2021
19	Python Data Structures	Sololearn	18/08/2021
20	Python for Beginners	Sololearn	02/08/2021
21	Problem Solving through Programming in C	NPTEL ,12 weeks	Sep-Dec 2020
22	Database Management System through INFYTQ platform	Infosy Faculty Enablement Program	3/08/2020 to 7/08/2020
23	Programming Fundamentals	Coursera	May 2020
24	Machine Learning Foundations : A case study approach	Coursera	May 2020
25	The Joy of Computing using Python	NPTEL , 12 weeks	July to Oct 2019
26	Computer Architecture	NPTEL , 12 weeks	Jul to Oct 2018
27	Fundamentals of Database Management System	NPTEL , 8 weeks	July 2017
28	Introduction to Research	NPTEL	Jan to Feb 2016

Funded Seminars Organized

S.No	Title	Duration of the workshop	Grant Received	Number of Participants	Venue
1.	Recent Trends and Research Directions of Deep Learning in Natural Language Processing	CIIL sponsored 2 days National Seminar 29/01/2020 and 30/01/2020	Rs.30,000	40	National Engineering College, Kovilpatti
2.	Recent Trends and Research Issues in Cloud Computing	DST sponsored 2 days National Seminar 9/10/2009 and 10/10/2009	Rs.40,000	40	National Engineering College, Kovilpatti

Short term / Value Added Courses Organized

S.No	Title	Duration of the workshop	Number of Participants	Venue
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1.	Supervised Machine Learning Techniques–A Practical workflow	July 2023 to September 2023	17	National Engineering College, Kovilpatti
2.	Python programming for Beginners	22/11/2021to 08/12/2021	120	National Engineering College, Kovilpatti
3.	Exploring Database Management Systems	2017	30	National Engineering College, Kovilpatti
4.	Flavors of C and C++	2012-2013 2013-2014	30	National Engineering College, Kovilpatti

Guest Lectures:

- Guest Lecture on ‘Research Challenges in Machine Learning’ on 21/11/2024 in PSN College of Engineering and Technology, Tirunelveli.
- Guest Lecture on ‘Object Oriented Programming Overview’ on 11/12/2024 in SCAD College of Engineering and Technology, Cheranmahadevi.

Additional Responsibilities Held: (Last five years)

- AICTE, Anna University Affiliation, UGC, Governing Council, NAAC, NIRF and ARIIA report preparation in department level upto 2023-2024
- Annual Report preparation for CSE Department upto 2022-2023
- BOS Internal Member of National Engineering College
- NAAC Criteria-5Coordinator
- NBA Criteria-5Coordinator
- Rotaract club Staff In-charge for the academic year 2018– 2020
- One of the NAAC Coordinator2024-2025 in department level
- NBA Criteria-7 Coordinatorin2024-2025in department level
- AI&DL, CC Lab In-charge for the academic year 2024-2025
- EDC and IIC representative for the academic year 2024-2025
- One of the NAAC Coordinator2025-2026 in department level
- NBA Criteria-7 Coordinatorin2025-2026 in department level
- Tutor and Class In-charge

G.Sivakamasundari

Kovilpatti,

25/05/2026