

PROFILE

Name : Dr.S.THANGA RAMYA
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I. Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class obtained
UG	B.E	CSE	1999	Dr.Sivanthi Aditanar College of Engineering	MS University	First
PG	M.S (By Research)	CSE	2008	-	Anna University	-
PhD	Ph.D	ICE	2017	Anna University	Anna University, Chennai	-

II. Title of the Ph.D Thesis: PERFORMANCE ANALYSIS OF OPTIMIZATION TECHNIQUES FOR OBJECT ORIENTED VIDEO DATA RETRIEVAL

III. Date of Joining the Present Designation: 01-08-2023

IV.Experience (in Years) (till Sep 2024) : 25Years 4 Months

Sl. No	College/Organization	Designation	Period From To	Total period	Nature of work
1.	R.M.K. Engineering College	Professor	01.05.22 Till Date	4Year 4 Months	Teaching
2.	R.M.K. Engineering College	Associate Professor	02.08.21- 30.04.22	8Months 29 Days	Teaching
3.	R.M.D Engineering College	Associate Professor	01.01.12 -02.08.21	9 Years 7 Months 2 Days	Teaching
4.	R.M.D Engineering College	Assistant Professor	01.12.09 -31.12.11	2 Year	Teaching
5.	R.M.D Engineering College	Senior Lecturer	01.12.08 - 30.11.09	1 Year	Teaching
6.	R.M.D Engineering College	Lecturer	20.06.08 - 30.11.08	5 Months 11 Days	Teaching
7.	MVSR Engineering College	Lecturer	02.06.06 - 07.08.06	2 Months	Teaching
8.	National Engineering College	Lecturer	24.08.01 - 09.05.02	8 Months	Teaching
9.	National Engineering College	Lecturer	05.06.02 - 31.01.06	3 Years 7 Months 26 Days	Teaching

10.	PSNA College of Engineering and Technology	Lecturer	06.09.99 - 21.08.01	1 Year 11Months	Teaching
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V. Membership in Professional Bodies: ISTE LIFE MEMBER, IAENG MEMBER, IIC, INSC LIFE MEMBER, IEEE MEMBER

VI. Publications:

- a) Total Number of Publications in International Conferences: 11
b) List of Publications in International Journals: 53

S.No	Title of the Paper	Name of the Journal	Year / Vol No. / Issue No.	Page No.	ISSN /DOI	Indexed In	SCI/ Impact Factor
1.	Fast and reliable identification of abnormal crowd behaviour in surveillance footage	Journal of the National Science Foundation of Sri Lanka	February 2026		DOI: 10.4038/jnsfsr.v54i1.12587	SCI	0.4
2.	ADeepCRF: real-time threat detection in IoT network using blockchain-based advanced proof of authority and adaptive deep conditional random fields	Scientific Reports	March 2026		https://doi.org/10.1038/s41598-026-45701-z	SCIE	3.9
3.	Mitigating Bias in Educational Assessments Using AI-Powered Machine Learning Techniques	IEEE Explore/2026 International Conference on Computing, Sciences and Communications (ICCSC)	February 2026		https://doi.org/10.1109/ICCSC67078.2026.11468615	Scopus	
4.	DeepFakeShield: AI-Based Detection of Deepfake Videos and Synthetic Media	International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE)	25 February 2026		10.1109/IITCEE67948.2026.11394363	Scopus	
5.	Hybrid approach of pattern recognition to detect marine animals A	International Journal	2025		http://doi.org/10.11591/ijict.v14i1.pp240-249	Scopus	

6.	A Novel Method for Vehicle Detection Using Underground Economic IoT Sensors Based on Magnetic Field Variations	Technological Applications for Smart Sensors-Apple Academic Press	Sep 2025			Scopus	
7.	Brain tumor detection and tracking using fast R-CNN based feature extraction method	AIP Conference Proceedings	Mar 2025		https://doi.org/10.1063/5.0265202	Scopus, WoS (Conference Proceedings Citation Index)	
8.	A-DSCNet: Implementing Attention-based Deep Serial Cascaded Network for Predicting Insider Threats using Human Behaviors	Proceedings of the 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	Feb 2025		10.1109/ICEARS64219.2025.10940183	Scopus, IEEE Xplore	
9.	Identifying Neurological Disorders using Deep Learning with Biomedical Imaging Techniques	Proceedings of the 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	Feb 2025		http://dx.doi.org/10.2139/ssrn.5109614	SSRN (Preprint, not indexed like Scopus/SC I)	
10.	Transforming the Pharmaceutical Supply Chain with Blockchain	Blockchain-Enabled Solutions for the Pharmaceutical Industry	Jan 2025			Scopus	
11.	Advancing Language Detection in Multilingual Contexts through FastText Optimization Techniques	Proceedings of the 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	Jan 2025		http://dx.doi.org/10.2139/ssrn.5080591	SSRN	
12.	Towards Optimized and Empirical Evaluation of Brain Tumor Segmentation Using Kernel Ensemble Learning	2024 International Conference on Integration of Emerging Technologies for the Digital World, ICIETDW 202	March 2025		10.1109/ICIETDW61607.2024.10939400	Scopus, IEEE Xplore	

13.	Improving Security and Communication Protocols in Smart Grid using Deep Learning to Ensure Data Privacy	Proceedings of the 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	Jan 2025		http://dx.doi.org/10.2139/ssrn.5075191	SSRN	
14.	Exploring prostate cancer survival prediction by a comparative study of various machine learning techniques	Challenges in Information, Communication and Computing Technology – V. Sharmila et al. (Eds)	9 Dec 2024	890	https://doi.org/10.1201/9781003559092	Scopus	
15.	Image segmentation algorithms for healthcare applications: enhancing precision in diagnostics and treatment	IET Digital Library	2024		https://doi.org/10.1049/PBHE060E_ch4	Scopus	
16.	Modeling and Optimization of signals using Machine Learning Techniques	Wiley on line library	2024			Scopus	
17.	Relay Selection in Cooperative Underwater Acoustic Sensor Networks	2024 5th International Conference on Smart Electronics and Communication (ICOSEC)	Oct 2024				
18.	Detecting multiple moving objects for unusual crowd activities detection in video surveillance system	Journal of Intelligent & Fuzzy Systems	Feb 2024	1-10	10.3233/JIFS-233833	SCI	1.737
19.	Predicting Employee Turnover: A Systematic Machine Learning	MDPI	Dec 2023	1-9	https://doi.org/10.3390/engproc2023059117	Scopus	
20.	Multivariate Congestion Prediction using Stacked LSTM Autoencoder based Bidirectional LSTM Model	KSII Transactions on Internet and Information Systems	March 2023 Vol.17, No.1		10.3837/tiis.2023.01.012,	SCI	0.972

21.	Data sampling approach using heuristic Learning Vector Quantization (LVQ) classifier for software defect prediction	Journal of Intelligent & Fuzzy Systems	2023 Vol.44 Iss.3	386 7- 387 6	10.3233/JIFS-220480	Scopus	1.737
22.	Air Writing recognition System	IEEE Explore	2022	910- 913	10.1109/IHCS55949.2022.10059943	Scopus	
23.	Roadmap of integrated data analytics – practices, business strategies and approaches	IET	July, 2022, Vol.48	217- 231	978-1-83953-489-8	Scopus	
24.	Detecting And Tracking Moving Objects Using Statistical Adaptive Thresholding Approach with SOM & GMA Tracking	Annals of Forest Research	Dec 2022, Vol.65(1)	557 2- 558 6	1844813 5, 2065244 5	Scopus	
25.	3D-DCNN Classification of Retinal Diseases Using Artificial Intelligence Deep Patterns Generated from 3D-OCT Hyperspectral Images	Europe PMC plus	Dec 2022	1-12	https://doi.org/10.21203/rs.3.rs-2329240/v1	Scopus	
26.	Deep Learning Approaches for Detecting Diabetic Retinopathy using CNN Models	IEEE Explore	Dec 2022		10.1109/IHCS5517.2022.10029234	Scopus	
27.	Secure forensic data transmission system in cloud database using fuzzy based butterfly optimization and modified ECC	IET	Vol.33 June 2022		https://doi.org/10.1002/ett.4558	SCI/ Scopus	2.638

28.	Hybrid Cloud Data Protection Using Machine Learning Approach	Advanced Soft Computing Techniques in Data Science, IoT and Cloud Computing (Springer)	Nov 2021, Vol 89	151-166	DOI: 10.1007/978-3-030-75657-4_7	Scopus	
29.	Deep learning for big data and its applications including clinical image processing using CNN approach	IJBPAS	November, Special Issue, 2021, 10(11)	623-631	2277–4998	ESCI	
30.	Memory and Time aware Automated Job Ontology Construction with reduced Ontology Size Based Semantic Similarity	Journal of Xi'an Shiyu University, Natural Science Edition	Vol 17 Issue 10, October 2021	664-668	1673-064X	Scopus	
31.	Modified Mackenzie Equation and CVOA Algorithm Reduces Delay in UASN	Computer Systems Science and Engineering	Vol.41, No.2, 2022, pp.829-847	829-847	doi:10.32604/cs se.2022.020307	SCI	1.486
32.	IOT-Driven Model for Collaboration Based on Learning Paradigms	International Journal of Aquatic Science	2021.Vol 12, Issue 02	1725-1731	ISSN: 2008-8019	WoS-Zoological Record	
33.	Roadmap to Biomedical Image Segmentation and Processing – Background and Approaches	Design Engineering	2021, Issue: 7, 8491 – 8504	8491 – 8504	0011-9342	Scopus	
34.	Smart Supermarket Billing Automation System based on barcode recognition using canny Edge detection	Annals of R.S.C.B	2021, Vol. 25, Issue 4	19139-19143	ISSN:1583-6258	Scopus	
35.	Enhanced Features based Private Virtual Card	Annals of R.S.C.B	2021, Vol. 25, Issue 4	17867 - 17872	ISSN:1583-6258	Scopus	

36.	IOT Based an Efficient Image Processing Algorithm for Capture Image in Museum using Localization Service for user Involvement	Revista geintec-gestao inovacao e tecnologias (Management, Innovation and Technologies) Online	Vol. 11 No. 2 (2021)	2322 - 2331	ISSN: 2237-0722	Web of Science	
37.	Private virtual card as additional security	Elementary Education Online	2021; Vol 20 (Issue 5)	734 1- 734 5		Scopus	
38.	Deep Learning Driven Image Segmentation in Medical Science - An Intense Learning	Solid State Technology	2021 Volume: 64 Issue: 2	172 5- 173 4		Scopus	0.3
39.	Hand Gesture Recognition in Full Duplex Way	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	April 2020, Vol.4,Iss 4	237 3- 237 8	2319- 8753	-	-
40.	Community Health Aider- Online Consultancy System	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	May 2020, Vol.4,Iss 5	324 2- 324 8	2319- 8753	-	-
41.	Machine Learning in Delay Tolerant Networks: Algorithms, Strategies, and Applications	International Journal of Innovative Technology and Exploring Engineering(TM)	Volume-9 Issue-1S, November 2019	34- 38	ISSN: 2278- 3075	Scopus	
42.	Improving Data Spillage in Multi Cloud Capacity Administrations	International Journal of Innovative Technology and Exploring Engineering(TM)	Volume-9 Issue-1S, November 2019	63- 66	ISSN: 2278- 3075	Scopus	
43.	A Secured Public Auditing Protocol with Dynamic Structure for Cloud Data	International Journal of Innovative Technology and Exploring Engineering(TM)	Volume-9 Issue-1S, November 2019	81- 85	ISSN: 2278- 3075	Scopus	

44.	Reducing Cloud Storage Space Consumption using PRCR	International Journal of Innovative Technology and Exploring Engineering(TM)	Volume-9 Issue-1S, November 2019	287-289	ISSN: 2278-3075	Scopus	
45.	Software Defined Networking: A Paradigm Shift in Networking for Future, Emerging Trends and Applications.	International Journal of Applied Engineering Research.	Volume 13, Number 18 (2018)	pp.13475 – 13481.	ISSN 0973 – 4562	EBSCOhost, GOOGLE Scholar	-
46.	Novel Effective X-Path Particle Swarm Extraction based Retrieval for Deprived Videos	Springer Cluster computing	Online: Oct 2017		1573-7543	• Web of Science • Scopus • Google Scholar • SCI	2.040
47.	D-COURT	International Journals of Advanced Research in Computer Science and Software Engineering,	2017, Vol.7	pp 95-98	2277-128X	• Thomson Reuters • Google Scholar • DOAJ	-
48.	SWC (Safety for Women & Child), an Android App	International Journal of Applied Research	2016, VOL.4	pp. 26-31	2347 9272	• Index Copernicus International, Poland • Google Scholar • Semantic Scholar •	-
49.	Suitable Methodologies For Key Frame Extraction From Videos	International Journal Of Applied Engineering Research	2015, VOL. 10, No 31	pp. 23118-23221	0973 - 4562	• Scopus • Google Scholar • Ebsco Host J-Gate	0.16
50.	Fast Video Retrieval From Database With Object Oriented Ant Colony Xml Optimization (ACXMLO) For High Resolution Videos	International Journal Of Applied Engineering Research	2015, VOL.10,No. 87	pp 379-383	0973 – 4562	• Scopus • Google Scholar • Ebsco Host J-Gate	0.16
51.	XML Based Approach For Object Oriented Medical Video Retrieval Using Neural Networks	Journal of Medical Imaging And Health Information	VOL.6., (2016)	pp.1-8	2156-7018	• Seie/Sci Search • Thomasan Reters • Scopus Eleservier	1.7

						• Google Scholar	
52.	Knowledge based methods for video data retrieval	International Journal of Computer Science & Information Technology	October 2011 Vol.3, no.5	pp.165-172	0975-4660	• Open J-Gate • Google Scholar • ProQuest	
53.	Person identification using OODB- A fuzzy logic approach	i-manager's Journal on Software Engineering	Vol. 31	pp 32-42	0973-5151	• Google Scholar • ICI	

VII . Faculty as Participant / Resource person/Organiser in Faculty Development / training activities

S.No	Title of the Program	Institute / Industry	Date	As Participant / Resource Person / Organized	Total No. of Days
1.	Design Thinking	R.M.K. Engineering College	27.09.22 to 29.09.22	Organized	3
2.	Guest Lecture On Object Oriented Programming	Sai Ram Institute Of Technology, Chennai	01-09-2021	Resource Person	1
3.	Guest Lecture On Multithreading In Java	Gce, Tirunelveli	17-10-2020	Resource Person	1
4.	Fdp In Ml And Its Impact In It	R.M.D Engineering College	22-04-2020 to 24-04-2020	Organizer	3
5.	Aicte Sponsored Six Days Sttp On Recent Trends In Ai And Soft Computing-I	R.M.D Engineering College	13-7-2020 to 18-7-2020	Organizer	6
6.	Aicte Sponsored Six Days Sttp On Recent Trends In Ai And Soft Computing-Ii	R.M.D Engineering College	3-8-2020 to 8-8-2020	Organizer	6
7.	Blockchain	Psna College Of Engineering And Technology	2020-8-24 to 2020-8-28	Participant	5
8.	Fdp On Cryptography And Network Security	Panimalar Institute Of Technology	11-05-2020 to 15-05-2020	Participant	5
9.	R Programming	Indo Global Group Of Colleges, New Chandigarh	27-04-2020 to 01-05-2020	Participant	5
10.	Artificial Intelligence	Sri Devi Womens Engineering College	22-05-2020 to 26-05-2020	Participant	5
11.	Webinar On Levers Of Digital Industry	Chennai Institute Of Technology	01-05-2020	Participant	1
12.	Fdp On R Programming	Indo Global Group Of Colleges, New Chandigarh	27-04-2020 to 01-05-2020	Participant	5
13.	Fdp On Machine Learning And Its Impacts In It	R.M.D Engineering College	22-04-2020 to 24-04-2020	Participant	3

14.	Webinar Series On Recent Trends In It	Rohini College Of Engineering And Technology	04-05-2020 to 06-05-2020	Participant	3
15.	Fdp On Tips For Clearing Patent Agent Examination	Velammal Engineering College	06-05-2020 to 07-05-2020	Participant	2
16.	Webinar On Roadmap To Become Successful Entrepreneur	RMD Engineering College	09-05-2020	Participant	1
17.	Webinar On Ipr And Ip Management For Innovation And Start Ups	R.M.K Engineering College	15-05-2020	Participant	1
18.	Fdp On Cryptography And Network Security	Panimalar Institute	11-05-2020 to 15-05-2020	Participant	5
19.	Fdp On Ai And Machine Learning	Cmr Technicalcampus	18-05-2020 to 22-05-2020	Participant	5
20.	Fdp On Key Technologies Driving Fourth Industrial Revolution	Rmd Engineering College	10-06-2020 to 15-06-2020	Participant	6
21.	Latest Trends And Challenges In It Industry	R.M.D Engineering College	15-06-2020 to 20-06-2020	Participant	5
22.	Atal Fdp On Block Chain	PSNA College Of Engineering And Technology	24-08-2020 to 28-08-2020	Participant	5
23.	Atal Fdp On Iot	Ksr Institute Of Engineering And Technology	07-09-2020 to 11-09-2020	Participant	5
24.	Webinar On Demystifying Start-Up India Strategies To Become An Entrepreneur	Demystifying Start-Up India Strategies To Become An Entrepreneur	01-09-2020	Participant	1
25.	Webinar On Innovation And Startup - An Epicenter Of Education	R.M.K College Of Engineering And Technology	04-09-2020	Participant	1
26.	Iic Online Sessions	Mhrd's Innovation Cell, New Delhi	28-04-2020 to 22-05-2020	Participant	17
27.	India's First Leadership Talk	Mhrd's Innovation Cell, New Delhi	11/7/2020	Participant	1
28.	Leadership Talk With Dr. Nilesh N	Mhrd's Innovation Cell, New Delhi	30-05-2020	Participant	1
29.	World Intellectual Property Rights Day Quiz	Ipr Cell And Iic Of Noorul Islam Centre For Higher Education	25-04-2020	Participant	1
30.	Leadership Talk With Shri Dipendra Manocha	MHRD's Innovation Cell, New Delhi	27-06-2020	Participant	1
31.	Leadership Talk With Mr. Shridhar Venkat, Ceo (Akshay Patra Foundation)	MHRD'S Innovation Cell, New Delhi	20-06-2020	Participant	1
32.	Leadership Talk With Shri R Subrahmanyam,	MHRD'S Innovation Cell, New Delhi	13-06-2020	Participant	1

	Ias (Secretary Ministry Of Social Justice & Empowerment)				
33.	Leadership Talk With Ms. Ashwini Deshpande (Co-Founder & Director Elephant Design)	MHRD'S Innovation Cell, New Delhi	6/6/2020	Participant	1
34.	Leadership Talk With Dr. Nilesh N Oak, Expert (Indian Civilization & History)	MHRD'S Innovation Cell, New Delhi	30/05/2020	Participant	1
35.	Fdp On Declarative Development For Platform App Builders	Ict Academy	18/03/2019 to 22/03/2019	Participant	5
36.	Synchronization And Replication In Distributed System	Panimalar Engineering College	20/03/2018	Resource Person	1
37.	Introduction To Cloud Infrastructure And Services	Ict Academy	07/12/2018 & 08/12/2018	Participant	2
38.	Anna University Fdp On Data Structures	R.M.K College Of Engineering And Technology	22/06/2018	Resource Person	1
39.	Fdp On Sales Force Fundamentals For Business Administration Training	R.M.K Engineering College	21/11/2017 to 25/11/2017	Participant	5
40.	Fdp On Digitalization And Future Of Digital Transformation	Cognizant, Mepz, Chennai	20/05/2017	Participant	1
41.	Fdp On Sales Force Training	Virtusa Polaris, Hyderabad	04/09/2017 to 08/09/2017	Participant	5
42.	Fdp On Iso 9001:2015 Internal Auditor Training	R.M.D Engineering College	21/12/2017 & 22/12/2017	Participant	2
43.	Fdp On Java Spring Frame Work	Tata Consultancy Services	11/07/2016	Participant	1
44.	Faculty Enablement Program On Foundation Program 5.0	Infosys Limited, Chennai	26/12/2016 to 30/12/2016	Participant	5
45.	Fdp On Internet Of Things (Iot)	Cognizant	05/05/2016	Participant	1
46.	Fdp On Best Practices In Java	R.M.K Engineering College Conducted By Inautix	25/05/2016 to 27/05/2016	Participant	3
47.	Hands-On Training Programme On Soft Computing Using Matlab	Mit Campus, Anna University, Chennai	28/08/2015 to 30/08/2015	Participant	3
48.	Hands-On Training Programme	Mit Campus, Anna University, Chennai	09/10/2015 to 11/10/2015	Participant	3

	On Soft Computing Using Matlab				
49.	Faculty Development Program On Effective Programming Skills	Cognizant	28/05/2016	Participant	1
50.	Training Programme On “Boss Minimalistic Object Oriented Linux(Mool)”	Iit Madras	26/06/2014 & 27/06/2014	Participant	2
51.	Content Based Video Retrieval	R.M.DEC	19/6/12 to 23/6/12	Organizer	5
52.	Infosys Campus Connect	Infosys Pvt Ltd, Chennai	Sep 2012	Participant	5
53.	Mission 10x	Wipro	Feb 2012	Participant	5
54.	Three Days Training On Ibm Db2 Certification	R.M.K Engineering College	18/06/2009-20/06/2009	Participant	3
55.	Training On Ibm Rad Tools Certification	R.M.K Engineering College	10/11/09-13/11/09	Participant	4
56.	Workshop On Acharya	R.M.K Engineering College	June 2009	Participant	4
57.	Acharya	Zeal	30/07/2009	Participant	1
58.	Fdp On Web Technology	National Engineering College	Nov 2005	Resource Person	
59.	Fdp On Atm Networks	National Engineering College	Nov 2004	Resource Person	3

VIII. Ph.D Guidance:

S.No	Name of the Scholar	Topic of the Research	University/ Institution Awarding the Degree	Current Status of the Scholar
1	Amirthavalli R	Development of Reliable Security Routing against attacks in Delay Tolerant Sensor Networks	Anna University, Chennai	Degree Awarded
2	Gowthami M	5G Network design issues	Anna University, Chennai	Synopsis Submitted
3	Vidhya Lakshmi K	An Efficient Secured Public Auditing Protocol With Novel Dynamic Structure For Data stored in cloud	Anna University, Chennai	Degree Awarded
4	Raji L	Proactive data leakage identification in cloud	Anna University, Chennai	Degree Awarded
5	Bino T.K	Detecting and Tracking Suspicious Objects in Video Surveillance System and Transmission of Video Streams over the Internet	Anna University, Chennai	Synopsis Submitted
6	Vijayalakshmi B	Real time bhiobject detection and tracking method for traffic monitoring	Anna University, Chennai	Degree Awarded
7	Mukesh Krishnan M	Tracking, Detecting, Occlusion handling of Objects in Video Frames.	Anna University, Chennai	Degree Awarded

8	Ilampiray P	Ingenious personality behaviour prediction	Anna University, Chennai	Confirmation completed
9	Subha S	An efficient Approach in developing a prediction model for a LMS using Deep Learning Techniques	Anna University, Chennai	Degree Awarded
10	Ms. Jayalakshmi K	Adaptive and Self-Evolving Machine learning models for next generation computing	Anna University, Chennai	

IX. Funded Projects:

S.No	Title of the Project	Funding Agency	Year of Sanction	Amount in Rs.	Duration	Research Progress and Out come
1	FDP on Recent Trends in Artificial Intelligence	AICTE	2008	2,00,000	5 Days	Completed
2	STTP on Artificial Intelligence And Soft Computing	AICTE	2020	3,76,666	6 Days	Completed
3	VehiSafe Revolutionizing Emergency Response with Advanced Sensor Technology	MSME	2025	15 Lakhs	2 Years	Ongoing
4	Centralized Automated Solution for Price Estimation Reasonability.	MSME	2025	4 Lakhs	2 Years	Ongoing
5	X-Path Particle Swarm Optimization Based Intelligent Lighting System for Smart Cities	TNSCST	Applied	4.10 Lakhs	2 Years	Under Consideration

X. Consultancy:

S.No	Title of the Project	Funding Agency	Year of Sanction	Amount in Rs.	Duration
1	Smart ATM	IEDC	2014	1,00,000	1 Year
2	Digital Log Book, 15/7/2020	Futurecalls Technology Private Limited	2020	75,000	3 Months
3	Hand Gesture Recognition 24/7/2020	Techminds Group India Private Limited	2020	1,00,000	3 Months
4	Smart Garden App	Botanic Madras	2021	1,05,000	3 Months
5	Website Design and Maintenance	Gowtham Agencies	2023	27,000	3 Months
6	A New Solution to the brain state permanency for brain-based authentication methods	JK Semitech	2023	51,000	3 Months
7	CPR training in Virtual Reality	Gowtham Agencies	2024	55,000	3 Months
8	Market Sales Analysis on Indian Spices	Shanti Associates Private Limited	2025	55,000	3 Months
9	Cognisphere : Ai-Powered	JK Semitech	2026	5,05,000	8 Months

	Cognitive Health Management Platform				
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XI. Patent:

S. No	Name of the patent	Published/Patent Granted	Year
1	Novel Private Framework Design For Content Based Image Retrieval in Cloud Computing	Published	2021
2	Router	Granted	2022
3	Smart Automatic Authorized Vehicle Parking System Using IOT Sensors and Machine Learning Algorithm Techniques	Published	2023
4	A mobile application prototype of construction materials Procurement	Published	2024
5	ARTechnology For Cancer Treatment	Published	2024
6	Oo model for medical video retrieval using neural Networks	Published	2024
7	Lane Detection System for Autonomous Vehicles Using AI	Published	2025
8	Empowering AI Governance: A Decentralized Approach	Published	2025

XII. Books/Book Chapters Authored:

S.No	Title of the Book	Name of the Publisher	Year of Publication	ISBN Number
1	Fundamentals of Computing	Kr Publishers	2013	-
2	C Programming	Sruti Publishers	2017	978-81-934968-0-0
3	Fundamentals of data structures in C	Magnus Publication	2018	978-81-934208-9-8
4	Problem Solving and Python Programming	Magnus Publication	2018	978-81-938060-2-9
5	Problem Solving and Python Programming Lab	Magnus Publication	2019	978-81-938060-2-9
6	The era of integrated data analytics	IET	Accepted	
7	Hybrid cloud data protection using Machine learning approach	Springer	2022	
8	Web Technology	Charulatha Publications	2024	978-93-6260-292-3
9	Python Programming	Charulatha Publications	2025	978-93-6260-155-1
10	Introduction to Operating System	Charulatha Publications	2026	978-93-7130-016-2
11	Database Management Systems	Charulatha Publications	2026	978-93-7130-209-8

XIII. Details of Awards Received:

- Obtained Oracle Sun Java certification with centum score
- **Completed Oracle Cloud infrastructure foundation Associate, Oracle Cloud Operations Associate and Oracle Autonomous Database Cloud 2019 Certifications**
- Secured IBM RAD, Tivoli and DB2 certifications
- Achieved Top 4th position (all over India) in Wipro's Project Contest
- Completed WIPRO PRP certification
- Obtained Bronze medal through Infosys campus connect
- Received Best Teacher Award 2020 from Insc..
- Obtained NPTEL certifications with elite and top scores in the following subjects
 - Introduction to C Programming
 - Database Management Systems
- Presented technical sessions in FDPs and STTPS and received Best presenter award
- Received IEI Best Faculty Advisor 2023
- Hosur Local Centre issued IEI Academic Excellence Award 2024