

# Dr.S.THANGA RAMYA

HOD

Department of Computer Science and Design

Email:hod.csd@rmkec.ac.in

Phone: 044-3330330



## I. Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the University
UG	B.E	CSE	1999	MS University
PG	M.S (By Research)	CSE	2008	Anna University
PhD	Ph.D	ICE	2017	Anna University, Chennai

**II. Experience (in Years)** : 20 Years 7 Months

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

**IV. Membership in Professional Bodies:** ISTE LIFE MEMBER, IAENG MEMBER, IIC,INSC LIFE MEMBER

## V. Publications:

a) Total Number of Publications in International Conferences: 2

b) List of Publications in International Journals 26

S.No	Title of the Paper	Name of the Journal	Year / Vol No. / Issue No.	Page No.	ISSN /DOI	Indexed In
1	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
2	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

3	Memory and Time aware Automated Job Ontology Construction with reduced Ontology Size Based Semantic Similarity	Journal of Xi'an Shiyou University, Natural Science Edition	Vol 17 Issue 10, October 2021	664-668	1673-064X	Scopus
4	Modified Mackenzie Equation and CVOA Algorithm Reduces Delay in UASN	Computer Systems Science and Engineering	Vol.4 1, No.2 , 2022, pp.8 29-847	829-847	doi:10.32604/csse.2022.020307	SCI
5	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
6	Roadmap to Biomedical Image Segmentation and Processing – Background and Approaches	Design Engineering	2021, Issue: 7, 8491 – 8504	8491 – 8504	0011-9342	Scopus
7	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
8	Enhanced Features based Private Virtual Card	Annals of R.S.C.B	2021, Vol. 25, Issue 4	17867 - 17872	ISSN:1583-6258	Scopus

9	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
10	Private virtual card as additional security	Elementary Education Online	2021; Vol 20 (Issue 5)	7341-7345		Scopus
11	Deep Learning Driven Image Segmentation in Medical Science - An Intense Learning	Solid State Technology	2021 Volume: 64 Issue: 2	1725-1734		Scopus
12	Hand Gesture Recognition in Full Duplex Way	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	April 2020, Vol.4, Iss 4	2373-2378	2319-8753	-
13	Community Health Aider-Online Consultancy System	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	May 2020, Vol.4, Iss 5	3242-3248	2319-8753	-
14	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
15	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

16	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
17	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
18	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
19	Novel Effective X-Path Particle Swarm Extraction based Retrieval for Deprived Videos	Springer Cluster computing	Online: Oct 2017		1573-7543	<ul style="list-style-type: none"> <li>• Web of Science</li> <li>• Scopus</li> <li>• Google Scholar</li> <li>• SCI</li> </ul>
20	D-COURT	International Journals of Advanced Research in Computer Science and Software Engineering,	2017, Vol.7	pp 95-98	2277-128X	<ul style="list-style-type: none"> <li>• Thomson Reuters</li> <li>• Google Scholar</li> <li>• DOAJ</li> </ul>
21	SWC (Safety for Women & Child), an Android App	International Journal of Applied Research	2016, VOL.4	pp. 26-31	23479272	<ul style="list-style-type: none"> <li>• Index Copernicus International, Poland</li> <li>• Google Scholar</li> <li>• Semantic Scholar</li> </ul>
22	Suitable Methodologies For Key Frame	International Journal Of Applied Engineering Research	2015, VOL. 10, No	pp. 23118-23221	0973 - 4562	<ul style="list-style-type: none"> <li>• Scopus</li> <li>• Google Scholar</li> </ul>

	Extraction From Videos		31			<ul style="list-style-type: none"> <li>• Ebsco Host J-Gate</li> </ul>
23	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.1 0, No.8 7	pp 379-383	0973 - 4562	<ul style="list-style-type: none"> <li>• Scopus</li> <li>• Google Scholar</li> <li>• Ebsco Host J-Gate</li> </ul>
24	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	<ul style="list-style-type: none"> <li>• Sci</li> <li>• Thomasan Reters</li> <li>• Scopus</li> <li>• Elsevier</li> <li>• Google Scholar</li> </ul>
25	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	<ul style="list-style-type: none"> <li>• Open J- Gate</li> <li>• Google Scholar</li> <li>• ProQuest</li> </ul>
26	Person identification using OODB- A fuzzy logic approach	i-manager's Journal on Software Engineering	Vol. 31	pp 32-42	0973-5151	<ul style="list-style-type: none"> <li>• Google Scholar</li> <li>• ICI</li> </ul>

## VI. Funded Projects:

S.No	Title of the Project	Funding Agency	Year of Sanction	Amount in Rs.	Duration	Research Progress and Out come
1	STTP ON ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING	AICTE	2020	3,76,666	6DAYS	COMPLETED
2	X-PATH PARTICLE SWARM OPTIMIZATION BASED INTELLIGENT LIGHTING SYSTEM FOR SMART CITIES	TNSCST	APPLIED	4.10 LAKHS	2 YEARS	UNDER CONSIDERATION

## VII. 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	Techminds	2020		3 Months

	RECOGNITION 24/7/2020	Group India Private Limited		1,00,000	
4	SMART GARDEN APP	Botanic Madras	2021	1,05,000	3 Months

#### VIII. 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	2021	

#### IX. 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 4<sup>th</sup> 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