Dr. K.K.Thyagharajan

E-mail

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Vidwan-ID: 273844   **Vidwan Profile:** https://rmd.irins.org/profile/273844

Qualification

BE, ME, PhD.

Specialization

Information and Communication Engineering

Research Interest

Image and Video Processing, IoT, Machine Learning and Deep Learning

Publications

SCOPUS INDEXED   https://www.scopus.com/authid/detail.uri?authorId=14046138000

WEB OF SCIENCE INDEXED   https://www.webofscience.com/wos/author/record/O-1042-2013

GOOGLE SCHOLAR INDEXED
https://scholar.google.co.in/citations?user=R5jfVjoAAAAJ&hl=en

Ph.D. Guidance

S.No	NAME	TITLE OF THE RESEARCH	Status
1	G. Nagarajan	Fuzzy Ontology Approach for Multimodal Semantic Information Retrieval.	Completed (2015)
2	R.I.Minu	Ontology Enhanced Image Retrieval for Semantic Web	Completed (2015)
3	S. Kavitha	Classification and Understanding of Multimodality Brain Images using Machine Learning Techniques	Completed (2016)
4	V. Thanikachalam	Study of Various Methods for Human Action Recognition Using Space-Time Volume Approach	Completed (2017)
5.	L. Balaji	Complexity Reduced Mode Decision for Scalable Video Coding in Smart Healthcare Application	Completed (2018)
6.	T. Vignesh	Soft computing Techniques for Land use and Landscape Classification using Multispectral Images	Completed (2019)
7	Radhakrishnan	A Novel Greedy Algorithm for Enhanced Performance in Downlink Packet Scheduling of LTE-Advanced Networks.	Completed (2019)
8	G. Kalaiarasi	Near Duplicate Detection and Retrieval of Images using Machine Learning Techniques	Completed (2019)
9	P. Saravanan	A Matrix Embedding with Adaptive Coding Block Size based Data Hiding and Selective Encryption in HEVC Standard Video	Completed (2022)
10	I. Kirubaraji	Neem Leaf Disease Detection from Near and Far-Field Images using Deep Learning Techniques	Completed (2022)
11	G. Nirmala	Forgery Detection Using Feature Enhanced Deep Learning Algorithms In Manipulated and Copy-Move Images	Completed (2022)
12	R. Sarasu	Concept-Based Semantic Annotation Indexing and Retrieval for E-learning Web Documents.	Completed (2023)
13	R. Rajitha Jasmine	Compound Human Action Recognition From Low Illumination Video Under Different Ambient Environment Using Modified CNN Algorithms	Completed (2023)
14	S.D Lalitha	Micro Facial Expression Recognition using Deep Learning Techniques	Completed (2023)

15	V. S. Prabhu	Object Segmentation and Recognition Using Soft Computing	Course work Completed

Funded Projects

S.No.	Project Name	Sanctioned by	Year of sanction &Duration	Amount, in lakhs
1.	On-line Collaborative Teaching for School Children	Tamil Nadu State Council for Science and Technology	July 2003- April 2004	0.04
2.	Adaptive content creation for personalized e-learning services	Tamil Nadu State Council for Science and Technology	July 2005- April 2006	0.05

Patents

S. No	Name of the Inventor	Title of Invention	Date of Filing	Date of Publish	Patent No (or) Application No
1.	K.K. Thyagharajan & S. Kavitha	Multimodality Medical Image Fusion in Disease Diagnosis	15-5-2015	18-11-2016	2454/CHE/2015
2.	L. Balaji & K.K. Thyagharajan	A Method for Scalable Video Coding Complexity Reduction	10-09-2015	26-05-2017	4799/CHE/2015A
3.	K.K. Thyagharajan	Near Duplicate Image Forgery Detection Based on Pulse Coupled Neural Network	28-6-2017	04-01-2019	E-2/1750/2017CHE
4	I. Kirubaraji & K.K. Thyagharajan	Leaf Species Recognition System Based on Intersecting Cortical Model of Pulse Coupled Neural Network (ICM-PCNN)	26-11-2019	28-5-2020	E-2/3784/2019-CHE 201941048259
5	L. Aneesh Euprazia & K.K. Thyagharajan	Vision based fall detection system using cumulative contour image	15-12-2020	25-12-2020	202041054476
6	Dr K.K. Thyagharajan I. Kiruba Raji & G. Nirmala	Neem Leaf Disease Recognition System	02-12-2021	24-12-2021	202141055992
7	Dr K.K. Thyagharajan G. Nirmala & I. Kiruba Raji	A Method of Image Copying and Moving Counterfeiting Detection	6-5-2022	20-5-2022	202241056980

Book Publications

S.No.	Name of the Text book	Publisher	Year
1.	C++, VC++ and Object-Oriented Programming	Anuradha Agencies (Publisher)	1999
2.	Microprocessors	Charulatha Publications	2004
3.	Flash MX 2004 **(Multimedia Authoring Tool)**	McGraw Hill	2005

Members in Professional Bodies

1. Fellow, The Institution of Engineers (INDIA) from April 2019, F-125170-4
2. Life Member ISTE since 1990. Membership No. LM7475
3. Life Member of CSI since 2007. Membership No. 00147076
4. Senior Member of the International Association of Computer Science and Information Technology since 2013.Member No.: 80347138
5. Institution of Doctors Engineers and Scientists (Invited Member) No: 1640
6. International Association of Engineers (IAENG) 140571
7. Asian Council of Science Editors 2021
8. IEEE Member

EDITORIAL BOARD MEMBER - JOURNALS

1. Machine Learning Research, ISSN Online: 2637-5680:

 http://www.mlrjournal.org/editorialboard

2. Imaging Science Journal, Taylor & Francis, Online ISSN: 1743-131X:

https://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=yims20

3. Coimbatore Institute of Information Technology International Journal.
http://www.ciitresearch.org/reviewer6.html

4. Project evaluator for Science and Engineering Research Board (SERB)

Journal Reviewer

1. Journal of Network and Computer Applications. Elsevier Publications. (from 2007 onwards)
2. KSII Transactions on Internet and Information Systems ISSN: 1976-7277 (from 2014 onwards)
3. Multimedia Tools and Applications, ISSN: 1380-7501 (print version), ISSN: 1573-7721 (from 2019 onwards)
4. Pattern Recognition, ISSN: 0031-3203, Elsevier Publications (from 2020 onwards)
5. Journal of King Saud University – Computer and Information Sciences, ISSN: 1319:1578 (2019 onwards)

6. Information Processing Letters. ISSN: 0020-0190, Elsevier Publications (from 2018 onwards).
7. Earth Science Informatics, Springer Publications, ISNN: 1865-0481
8. Journal of Intelligent Systems, De Gruyter publisher, ISSN: 2191-026X
9. Computer Methods and Programs in Biomedicine. Elsevier Publications (From 2016 onwards)
   http://www.journals.elsevier.com/computer-methods-and-programs-in-biomedicine
10. Computers and Electronics in Agriculture. Elsevier Publications (from 2018 onwards)
    https://www.journals.elsevier.com/computers-and-electronics-in-agriculture
11. Journal of Electronic Imaging ISSN:1017-9909 (from 2014 onwards)
12. Biosystems Engineering. Elsevier Publications. ISSN: 1537-5110 (From 2016 onwards)
13. IEEE Access, ISNN: 2169-3536
14. International Journal of Biomedical Engineering and Technology (IJBET), Inderscience Publishers ISSN: 1752-6426 (from 2015 onwards)
15. Research Journal of Information Technology. (from 2008 onwards) www.scialert.com
    http://www.scialert.com/review/certificate.php
16. International Journal of Research in Engineering and Technology (IJRET).http://ijret.org/ReviewBoard, (from 2014 onwards) Reviewer Id: **20130566**
17. International Journal of Computer Sciences and Engineering Systems. (from 2008 onwards) www.bit.kuas.edu.tw
18. International Journal of Information Analysis and Processing.
19. International Journal of Computer Systems Science and Engineering.
20. Malaysian Journal of Computer Science (ISSN 0127-9084)
21. International Journal of Vocational and Technical Education.
    www.academicjournals.org/IJVTE
22. Coimbatore Institute of Information Technology International Journals.
    www.ciitresearch.org/reviewer6.html
23. Journal of Internet and Information System. (www.academicjournals.org/JIIS)
24. International Journal of Research in Engineering and Technology
    http://ijret.org/ReviewBoard

Experience as on 12-9-2023

Name of the Institute	Designation& Department	Period		Years	Months	Days
		From	To			
RMD Engineering College	Professor of ECE and Dean (Research)	1-6-2021	Till date	2	1	12
	Professor of ECE Department and Dean (Academic)	1-9-12	31-5-2021	8	8	0
RMK College of Engineering and Technology	Professor of Information Technology and Principal	13-6-08	31-8-12	4	3	18
RMK Engineering College	Professor of Information Technology	4-7-2007	12-6-08	0	11	8
SSN College of	Assistant Professor in the Dept. of Information	23-12-2000	3-7-2007	6	6	2

Engineering	Technology.					
Sri Ramakrishna Engineering College	Assistant Professor (HOD in-charge), Dept. of Electrical and Electronics Engineering.	24-12-1996	22-12-2000	3	11	27
Kongu Engineering College	Senior Lecturer , Dept. of Electronics and Communication Engg.	1-10-1995	23-12-1996	1	2	22
	Lecturer, Dept. of Electronics and Communication Engg.	9-8-1990	30-09-1995	5	1	21
VLB Janaki Ammal Engineering college	Lecturer, Dept. of Electronics and Communication Engg.	22-3-1989	8-8-1990	1	4	17
Total Experience				34	5	8

Contact Address

Office Address:

R.M.D. Engineering College, Kavaraipettai, Gummidipoondi Taluk, Thiruvallur Dist., Tamil Nadu. INDIA. PIN: 601206