Bio Data

PERSONAL DETAILS

Name	:	**Dr. K.Sakthivel**
Designation	:	Professor
Institution	:	K.S.Rangasamy College of Technology, Tiruchengode
Father's Name	:	Mr.S.Kuppusamy
Date of Birth & Age	:	20.04.1972 & 47 Years
Address for communication	:	Professor Dept. of CSE K.S.Rangasamy College of Technology, Tiruchengode. Namakkal Dt-637 215
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ACADEMIC PROFILE

Degree	Institution/University	Specialization	% of Marks / Class obtained	Year of completion
Ph.D.	Anna University, Chennai	Computer Science and Engineering	-	2012
M.E.	VMKV Engineering College/ Anna University, Chennai	Computer Science and Engineering	79 FWD	2005
MCA	Urumu Dhanalakshmi College/Bharathidasan University,Trichy	Master of Computer Applications	64 FC	1997
B.Sc	Bishop Heber College/ Bharathidasan University,Trichy	Mathematics	54 SC	1994

TITLE OF Ph.D. THESIS

Performance Enhancement in Image Retrieval Using Hierarchical Agglomerative K-means and WDRM Algorithms

PROFESIONAL EXPERIENCE

Teaching: UG – **21** years   **Research** : **07** years
PG – **21**years   **Post PhD** : **06** years

S.No	Institution	Post held	Period From	Period To
1	K.S.Rangasamy College of Technology, Tiruchengode	Professor	02.07.2012	Till Date
2	K.S.Rangasamy College of Technology, Tiruchengode	Assistant Professor	01.06.2005	01.07.2012
3	K.S.Rangasamy College of Technology, Tiruchengode	Lecturer	20.11.1998	31.05.2003
4	VLB Janakiammal College of Engineering and Technology, Coimbatore	Lecturer	25.05.1997	19.11.1998

ADMINISTRATIVE EXPERIENCE

S.No	Name of the Assignment	Duration	Nature of responsibility
1.	Department Exam cell Coordinator	June 2005 to till date	Dutychart,seating arrangement preparation and Exam conduction
2.	BoS member/Department	2013 to till date	Framing Syllabus for subjects allotted and updation

3.	Anti-Ragging codinator/ Overall College	June 2005 to till date	Monitoring the students Activities

AWARDS RECEIVED

1. Received **Certificate of Excellence** for producing 100% results in the academics

FUNDS RECEIVED

2. Received **Rs.95,444** from MHRD, Govt. of India towards Two week ISTE Work Shop on Computer Programming under the National Mission on Education through ICT, 21st April to 26th April 2014.

RESEARCH ACTIVITIES

Research Interests	Image Processing, Data Mining, Information Security
Research Experience	April 2008 to till date

RESEARCH PUBLICATIONS

NC – 07, IC – 07, IJ – 20		
National Conferences	:	**07**
International Conferences	:	**07**
International Journals	:	**20**
Google Scholar Citations	:	**44**
h-index	:	**4**
i-10index	:	**1**

National conferences (NC-07)

1. **K.Sakthivel:** Proceeding of the National conference on Analyzing the performance of Image Retrieval using hierarchical clustering algorithm organized by Sasurie college of engineering, vijayamangalam dated 24.2.2009.
2. **K.Sakthivel:** Proceeding of the National Conference on An image retrieval performance comparison using k-means and object clustering algorithm organized by vellalar college of engineering and technology dated 9.4.2009
3. **K.Sakthivel:** Proceeding of the National Conference on "Content Based Image Retrieval using Statistical shape features" organized by SNS College of Technology, coimbatore, dated 6.10.2009.
4. **K.Sakthivel:** "Efficient Search and Retrieval of Image Database" Proceeding of the

National conference on Emerging Technologies and Applications ETA-2005 at Saurashtra University Rajkot on 1-2 October 2005.

5. **K.Sakthivel:** "Search and Retrieval of Multimedia Database" Proceeding of the National conference on Recent Trends in Advanced Computing(NCRTAC'05) at SNS college of Technology, Coimbatore on 6 – Oct-2005..

6. **K.Sakthivel:** "Secured Communication For JPEG image using Stenographic Techniques"Proceeding of the National conference on NCICT-06 at Mahendra engineering College, mallasamudram on 3-April-2006.

7. **K.Sakthivel:** "Image restoration Using Scape Variant Gaussian Scale mixture in over complete Pyramids" Proceeding of the National Conference on Recent Trends in Advanced Computing" organized by SNS College of Technology, coimbatore, on 6-09-2008.

International Conferences (IC-06)

1. Kavitha C, Krishnan A and **Sakthivel K**, "Analyzing the Efficiency of Similarity based Image Retrieval Using Region matching", Proceedings of the International Conference on Human Machine Interfaces ,Bangalore,India ,pp. 330-397, December 2004.

2. Kavitha C, **Sakthivel K** and Krishnan A, "Search and Retrieval of Image Database Using Hierarchical Clustering Algorithm", International Conference on Intelligent Systems, Kuala Lumpur,Malaysia, pp. 1-5 , December 2005.

3. **Sakthivel K,** Ravichandran T and Sangeetha K.R, "Photographic Image Retrieval Using Modified K-means Algorithm" Proceedings of Fifth International Conference on Intelligent System and Control ,Karpagam college of engineering, India & Lousiana State University, USA, pp. 72, January 2011.

4. Ravichandran T**, Sakthivel K** and Geetha S, "Optimal Solution for Image Retrieval Using Feedback-Based Integrated Region Matching", In Proceedings of the International Conference Computer Communication and Informatics, Sri Shakthi Institute of Engineering and Technology, Tamil Nadu, India, pp. 257-262, January 2011.

5. **Sakthivel K,** Suresh kumar T and Ravichandran T, "Color image segmentation using support vector machine classification", In proceedings of the International conference on Computer Communication and Signal Processing, SSM College of Engineering, Tamil Nadu,India, pp. 100-101, September 2011

6. **Sakthivel K** , Suresh kumar T and Ravichandran T, "Unsupervised texture based segmentation image", Emerging trends in Computer and Communication Technology, Maria college of Engineering & Technology, 16 & 17th February 2012..

7. **Sakthivel K,** "Synthetic Aperture Radar Based Retrieval Process Using Content Based image Retrieval", International Conformance on Information and computational Science,K.S.R College of Engineering 27 & 28th March 2018.

International Journals (IJ – 20)

1. **K.Sakthivel,** (2009), "Image Retrieval Using modified k-means Clustering Algorithm", International journal of computer applications In engineering, technology and sciences

(IJ-CA-ETS).

2. **K.Sakthivel,** (2009), **"**Performance Comparison in Image Retrieval Using Geometric Histogram and K-means Algorithm", International journal of engineering, research and Industrial applications

3. **K.Sakthivel,** Ravichandran T and Kavitha C, "Performance Enhancement in Image Retrieval Using Weighted Dynamic Region Matching", European Journal of Scientific Research, Vol. 56, No.3, pp. 385-395, 2011.

4. **K.Sakthivel** , Ravichandran T and Kavitha C, "Performance Enchantment in Image Retrieval Using Modified K-means Clustering Algorithm", Journal of Mathematics and Technology, pp. 78-85, 2010.

5. **K.Sakthivel,** Ravichandran T and Kavitha C, "Image Retrieval Using. K-means Clustering Algorithm", International Journal of Computer Applications in engineering, Technology and Sciences (IJ-CA-ETS),Vol. 1,No. 2, pp. 501-507, 2009.

6. **K.Sakthivel,** Ravichandran T and Kavitha C, "Performance Comparison in Image Retrieval Using Geometric Histogram and K-means Algorithm", International Journal of Engineering Research and Industrial Applications (IJERIA), Vol. 2, No. 5, pp. 99-113, 2009

7. **K.Sakthivel,** Ravichandran T and Kavitha C, "Performance Analysis in image Retrieval Using IRM and K-means Algorithm", Journal on Software Engineering, Vol. 3 No. 4, pp. 55-64, 2009.

8. **K**.**Sakthivel,** Kavitha C and Krishnan A, "Intelligent Image Retrieval Using Modified K-means Clustering Algorithm", International Journal of System Simulation, Vol. 1. No. 2, pp. 95-106, 2007.

9. **K.Sakthivel,** R. Nallusamy, C. Kavitha, " Image Retrieval using fused features", International journal of computer, information systems, control engineering,vol.8,issue 9,2014

10. **K.Sakthivel**, R Abinaya , I Nivetha "Region based image retrieval using k- means and hierarchical clustering algorithms." International Journal of Innovative Research in Science, Engi-neering and Technology.;3(1):1255-60,2014

11. **K.Sakthivel,** R. Nallusamy, C Kavitha " Color Image Segmentation Using SVM Pixel Classification Image", International journal of computer, information systems, control engineering,vol.8,issue 9,2014

12. **K.Sakthivel**, K. Logeshwari, "A Survey: Automatic Diagnosis of Tongue Image for Identifying Various Diseases International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.1 pp. 295-298,2015.

13. **K.Sakthivel,** G.Keerthana, "A Survey on Different Feature Selection Method for Cancer Biomarker Discovery", International Journal of   Engineering Research & Technology (IJERT),Vol.01pp.805-808.

14. **K.Sakthivel,** B.R Swathi, S. Vishnu priyan, C Yokesh "Analysis of medical image processing and its application in Healthcare", International journal of advanced Engineering Research and science(IJAERS), ISSN 2349-6495,Vol 3,issue ,Feb2016.

15.	**K.Sakthivel,** K Karthika, R Nivetha , S Meganathan ," Image Retrieval using Clustering Techniques", Journal of Recent Research in Engineering and Technology, ISSN (Print):2349 –2260 Vol.3(1), 2016, pp21-*28.*
16.	**Sakthivel K.**, S.Balu, K. Nelson kennedybabu, R.Balamurugan, "Investigation of optimal segmentation Algoriyhm for CT lung nodules using cad system", Asian journal of information technology", ISSN1682-3915 Vol.15(19).pp3742-3747 Medwell journals 2016.
17.	Amudha K, Balu S, **Sakthivel K** "Performance analysis of firefly search fuzzy c-means (fsfcm) for detecting lung cancer nodules international research journal of pharmacy". vol.(8)pp.88-94,2017
18.	**K.Sakthivel,** K. Narayanan, N. Aswath, R.Abinaya "Co-extracting Opinion Targets and Opinion Words from Reviews" International Journal of Engineering Science VoL5727, 2017.
19.	**K.Sakthivel,** K. Narayanan, N .Aswath, R. Abinaya, "Mining Opinion Targets and Opinion Words from Reviews Based on the Word Alignment Model" International Journal of Engineering Science VoL5662,2017.
20.	**K.Sakthivel,**A Jayanthiladevi, Mohanasundram R, **"**E-Agricultural Market" IJCTA International Science Press VoL9.pp 641-648.

Journal Guest Editor

World Review of Science, Technology and Sustainable   Development (**WRSTSD**) Published by Inderscience Enterprises Ltd.Vol14,No1,2018 ISSN(print) 1741-2242

PhD SUPERVISION DETAILS

Number of Ph.D. Scholars   : 1 (completed),
**   6 (On going)**

Sl. No.	Name of the candidate	Research Title	Registration/ Completion (Year)	In Progress/ Completed	Principal /Joint Supervisor
1.	Sudha S	Multi-Class SVM Based Image Annotation Framework with Relational Semantic Indexing for Efficient Image Retrieval	2018	Completed	**Joint Supervisor**
2.	Gopinath S	A Novel Methods of Detection and Classification of Plant	2017	Course work completed	**Principal Supervisor**

		Dieases Using Image Processing in Big Data			
3.	Bharathi V	Embedded Systems in Image Processing	2017	Course work completed	**Principal Supervisor**
4.	Sudha K	Big Data Analytics for health care monitoring systems	2017	Course work completed	**Principal Supervisor**
5.	Abirami G	Analysis of Large Dataset using different classification algorithms	2017	Course work completed	**Principal Supervisor**
6.	Pugazharasi K	Image Processing based on Deep learning	2019	Course work	**Principal Supervisor**
7.	Menaka A	Analysis of crop yield prediction using hadoop framework based on Agro	2019	Course work	**Principal Supervisor**

(Dr.k.Sakthivel)