

Resume



A. Personal Information

1. **Name** : **Dr.K.STAMILSELVAN**
2. **Date of Birth & Age** : 25.06.1967 & Age : 53
3. **Present Designation** : PROFESSOR&
Head-Centre for Product Development
4. **Department/Institution** : ECE/KPR Institute of Technology, Coimbatore
5. **Specialization** : Embedded System Design
Biomedical Image Processing,
Medical Electronics&Super Capacitors
6. **Address for Communication** : No.2/214, F2, Dhanam Nagar,
Karayampalayam, Coimbatore-641062
7. **Languages Known** : Tamil, English, Malayalam

E.Mail ID : kstamilselvan@gmail.com

Mobile : 91-9865369964

International Journal Publications

Sl. No.	Authors	Title of the Paper	Name of the Journal	Volume and issue No.	Year	Impact Factor
1.	K.S.Tamilselvan Dr. G.Murugesan,	Efficient Segmentation of Medical MRI Image using WT-WS Algorithm	International Journal of Computer Applications	Volume 55, No.4 PP-09-15	2012	3.12
2.	Tamilselvan KS T.Balakumaran	Smart Security System Using Embedded System Technology	International Journal of Advanced Research in Electronics and Communication Engineering	vol.3, no.6, pp. 40-44.	2012	

3.	K.S.Tamilselvan S.Mahendra Kumar K.Senthil Prakash	Design of Compact Multiband Microstrip Patch Antennas	International Journal of Global Research in Computer Science	Volume 55– No.4 PP-18-24	2012	1.2
4.	K.S.Tamilselvan Dr. G.Murugesan	Automatic Tumor Detection in Brain Image using FLICM Algorithm	International Journal of Emerging Trends in Electrical and Electronics	Vol.5, Issue. 1, PP-61-69.	2013	3.84
5.	M.Kanimozhi M.Balabharathi K.S.Tamilselvan	Solar Tracker Based Power Optimization In Performance Of Robotic Vehicle	IOSR Journal of Electrical and Electronics Engineering	Vol.5, Issue. 1, PP-55-60.	2013	3.26
6.	K.S.Tamilselvan R.Aishwarya, K.Ayeshaparveen	A Hybrid Approach for Automatic Mobile Phone Charging System using Natural Resources	International Journal of Advanced Research in Electronics and Communication Engineering	Vol.2, Issue. 5, PP-568-572.	2013	4.29
7.	K.S.Tamilselvan Dr. G.Murugesan	A Histogram based Hybrid Approach for Medical Image Denoising using Wavelet and Curvelet Transforms	International Journal of Computer Applications	Volume 74– No.21, PP:6-11	2013	3.12
8.	K.S.Tamilselvan Dr. G.Murugesan	Survey and Analysis of Various Image Fusion Techniques for Clinical CT and MRI Images	International Journal of Imaging Systems and Technology	Volume-24, Issue-2, PP-193 – 202	2014	1.254
9.	K.S.Tamilselvan Dr. G.Murugesan	Efficient Fusion of Multimodality Images Using Wavelet Transform and Watershed Algorithm	International Journal of Applied Engineering Research	Vol-9, Number-23, PP-20715-20726	2014	0.13
10.	K.S.Tamilselvan Dr. G.Murugesan	A Novel Image Segmentation Algorithm for Clinical CT Images Using Wavelet Transform and Curvelet Transform and Multiple Kernel FCM	Applied Mathematical Sciences	Vol-9, Number-48, PP-2351-2362	2015	0.853
11.	K.S.Tamilselvan Dr. G.Murugesan	Multimodality medical Image Fusion based on Neuro Fuzzy and Support Vector Machine	International Journal of Chemical and Pharmaceutical Sciences	PP-23-25	2015	0.684
12.	K.S.Tamilselvan Dr. G.Murugesan	Detection of Muscle Injuries using Image Segmentation Based on ABC algorithm and Shearlet Transform	IJRIT International journal of Research in information Technology	Vol.2, Issue.4, April 2014, pp.877-884	2014	1.738
13.	Dr.K.S.Tamilselvan Dr. G.Murugesan	Smart Drinking Water Quality Maintenance System	International Educational Scientific Research journal	Vol.2, Issue: 10, Oct 2016	2016	4.471
14.	Dr.K.S.Tamilselvan	Embedded System Based Smart Conveyer Belt	International Journal of Advanced	Volume 6, Number 11pp.:	2016	2.5

	Dr. G.Murugesan Dr. V. Ashok	Security System for Textile and Dyeing Industries	Research in Computer Science and Software Engineering	148 to 152		
15.	Dr. K. S. Tamilselvan Dr. V. Ashok	Determination of Blood Constituencies Using Laser Based Systems	Asian Journal of Information Technology	Vol.15, No.21, Jan'2017	2017	0.105
16.	Dr.K.S.Tamilselvan Dr. G.Murugesan	Development of Multi-Modal Medical Image Fusion Based CAD System for Brain Tumor Identification	International Journal of Printing, Packaging & Allied Sciences	Vol.4, No.5, Jan'2017	2017	
17.	Dr.K.S.Tamilselvan, Dr.G.Murugesan, K.Ramya	Embedded Based Semi-Automatic Money Denomination System	International Journal of Advanced Research in Electronics and Communication Engineering	Vol.6, No.11, Nov'2017	2017	4.29
18.	Dr.K.S.Tamilselvan Dr. G.Murugesan S.Suthakar	Android Based Vehicle Speed Control System In Critical Zones Using GPS Technology	International Journal of Advanced Research in Electronics and Communication Engineering	Volume 7, Issue 6, June 2018	2018	4.29
19.	Dr.K.S.Tamilselvan Dr. G.Murugesan S.Suthakar G.Mageshkumar	IOT Based Online Transformer Maintenance System	Indian Journal of Applied Research	Volume 9, Issue 1, January 2019	2019	0.11
20.	Prakash Duraisamy, James Van Haneghan, William Blackwell, Stephen C. Jackson, Murugesan G., and Tamilselvan K.S.	Classroom engagement evaluation using computer vision techniques	Pattern Recognition and Tracking XXX, 109950R	Proc. SPIE 10995	2019	0.90
21.	S.Suthakar Dr.K.S.Tamilselvan Dr. G.Murugesan G.Mageshkumar	Automated Milk Quantity and Quality Checking and Vending Machine	International Journal of Innovative Technology and Exploring Engineering	Volume 8, Issue 11, September 2019	2019	5.54
22.	Dr.K.S.Tamilselvan, Dr.G.Murugesan , &Rajeshwari Hegde	Analysis of Foot Ulcer Level using Non-Invasive Technique based on Image Segmentation for Type 2 Diabetic Patients	IJAICT India Publications	Volume 1, Issue 1	2020	
23.	Dr.K.S.Tamilselvan, A.Sharmila	Image Segmentation Based Automatic Agriculture Assistant	IET Image	Applied	2021	0.348

		System For Indian Farmers	Processing			
24.	Dr.K.S.Tamilselvan, G.Mageshkumar	Fuzzy Based Image Segmentation for Defect Detection in Ceramic Tiles	International Journal of Innovative Technology and Exploring Engineering	Applied	2021	1.0
25.	Dr.K.S.Tamilselvan, & Dr.Rajeshwari Hegde	Development Of 3-Stage Hybrid Computer Aided Design (3-Hcad) System For Multi-Modal Medical Images To Identify The Brain Tumor	International Journal of Imaging Systems and Technology- John Wiley	Applied	2021	1.254

Patents Filed and Published (9-Published, 1- Granted, 2-FER received)

- Method for Minimizing power Consumption of IOT Battery using Packet Filtration Approach
- Low cost Energy Saver for Exhaust Fans
- Economic Voltage Tripler for Irrigation Motors with minimum no. of solar panels
- Automatic E-Sanitizer Spray For Vehicles
- Wideband Radar System In Indoor Security Applications
- Smart E-Dust Bin For Hotel Food Waste
- Electrical Switch With State Indication
- Automatic Attribute Differentiator And Controller For Iot Applications

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