



# SRM Valliammai Engineering College

SRM Nagar, Kattankulathur-603203, Kancheepuram District, Tamil Nadu

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## Department of Information Technology

### PERSONAL DETAILS

<b>Name :</b>	K.Elaiyaraja	
<b>Designation :</b>	Assistant Professor (Sr. G)	
<b>Educational Qualification :</b>	M.Tech, (Ph.D.)	
<b>Experience:</b>	15 Years 9 Months	
<b>Area of Specialization :</b>	Medical Image Processing	
<b>Date of Joining :</b>	19/12/2007	
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### EDUCATIONAL DETAILS

S.No	Degree	Branch / Specialization	Institution / University	Year
1	Ph.D.	ICE	Anna University	Pursuing
2	M.Tech.	Computer Science	Dr.M.G.R Educational and Research Institute / MGR	2006
3	B.E.	Information Technology	Adhiparasakthi Engineering College / Madras University	2004
4	Diploma	EEE	Kumaran Polytechnic / DOTE	2001

### PROFESSIONAL SOCIETY MEMBERSHIPS

Computer Society of India and ISTE : Lifetime Membership

### PUBLICATION DETAILS

#### JOURNALS

- A Strategical Analysis and A Comparative Study on DMF, "GORTERIA Journal", ISSN: 0017-2294, VOLUME 34, ISSUE 7, Pages 15-20, July 2021.
- Evaluation of Deep Learning in Medical Image Processing – A Methodical Review, International Journal of Scientific Research and Reviews, ISSN: 2279–0543, Pages 31-38, IJSRR, 10(2) April – June, 2021.
- A Novel Variable Weight Grey Wolf Optimization Algorithm in Medical Image

Fusion, “Journal of Medical Imaging and Health Informatics”, Volume 11, Issue 05, Pages 1501-1508, May 2021.

- Multimodal Medical Image Fusion Using Structure Based Adaptive Decomposition with Enhanced Variation Model, Turkish Journal of Physiotherapy and Rehabilitation, ISSN 2651-4451 | e-ISSN 2651-446X, Pages 59 – 66, Volume 32, March 2021.
- Distorted Image Registration for Image Fusion – A Literature Review, i-manager’s Journal on Pattern Recognition, Vol. 6 1, No. 2 1 June - August 2019.
- Enhanced Total Variation Model Image Fusion using Hybrid Filters and Adaptive Median Method, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-8, Issue-3S, February 2019.
- AJNA – A SMART ASSISTANCE FOR THE VISUALLY AND COGNITIVELY IMPAIRED, “International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering”, Volume 8, Issue 2, Feb 2019.
- Intelligent Big Data Domain for R-fMRI Big Data Preprocessing – An Optimized Approach, International Conference on Big Data and Cloud Computing, December 6-7, 2019.
- Fusion Imaging in Pixel Level Image Processing Technique – A Literature Review, International Journal of Engineering & Technology, Volume & Issues 7 & 12, ISSN: 2227-524X, 2018.
- SMART HUMAN TWO WHEELER SAFETY SYSTEM, “International Research Journal of Engineering and Technology (IRJET)”, Volume 4, Issue 3, Pages 421-425, Mar 2017.
- EMPLOYMENT EXCHANGE APPLICATION FOR ANDROID PLATFORM, “International Conference on Internet of Things & Application for Smart City”, March 2016.

### **BOOK CHAPTERS**

- Enhanced Effective Generative Adversarial Networks Based LRSD and SP Learned Dictionaries with Amplifying CS, Taylor & Francis Series “Machine Learning and IoT for Intelligent Systems and Smart Applications”, Pages 83-96, Nov 2021.
- Intelligent Big Data Domain for R-fMRI Big Data Preprocessing—An Optimized

Approach, Springer Book Chapter “Intelligence in Big Data Technologies—Beyond the Hype”, Pages 433-441, 2021.

- An Amplifying Image Approach: Non-iterative Multi Coverage Image Fusion, Springer Book Chapter “Computer Aided Intervention and Diagnostics in Clinical and Medical Images”, Pages 71-80, Volume & Issues-31, pp 71-80, ISSN No: 2212-9391, 2019.

### **INTERNATIONAL CONFERENCE**

- Implementation of Analysis and Visualization on Deep Learning Based Big Data Medical Service Framework Resource Sharing, International Conference on Big Data and Cloud Computing (ICBDCC'21), 20.08.2021 & 21.08.2021.
- Distorted Image Registration for Image Fusion – A Literature Review, International Conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering September 6-7, 2019.
- Fusion Imaging in Pixel Level Image Processing Technique – A Literature Review, International Conference on Advanced Research in Engineering, pp 175-177 on 26.04.18 & 27.04.18.
- An Amplifying Image Approach: Non-iterative Multi Coverage Image Fusion, International Conference on Clinical & Medical Image Analysis on 27.07.18&28.07.18.

### **TECHNICAL ARTICLES:**

- Revolution of Natural Language Processing in India, CSI Communications- Smart Computing, Issue: 42 &12, pp 19-20, March 19.

### **OTHER DETAILS**

- I. No. of STTP / FDTP / FDP / Workshop Attended : 48
- II. No. of Industrial Visit : 11
- III. No. of Certificate Courses Attended : 9
- IV. No. of Delivered Lecture: 10
- V. Guest Lecturers/ Seminars/ Conference/ Mini Project Expo Organized: 21