

**A.Alaimahal , M.E**

Assistant Professor / ECE

Velammal College of Engineering and Technology, Madurai

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**Educational Qualification:**

S.No	Name of the Degree	Institution/ University	Area of Specialization	Year of passing	Class obtained
1.	Ph.D	Anna University	Medical Image Processing	Pursuing	
2.	M.E	Velammal College of Engineering & Technology	Commnication Systems	2013	First class with distinction
3.	B.E	K.L.N College of Engineering	ECE	2011	First class

**Experience in Years:** 9 years**Employment History:**

S.No	Name of the College/Industry	Designation	Period		Year of Service
			From	To	
1.	Velammal College of Engineering & Technology	Teaching Assistant	17.6.2013	30.06.2014	1 Year
		Assistant Professor	01.07.2014	Till date	8 Years
		Total Experience : 9 Years			

**Interested Research Areas:** Digital Image Processing, Artificial Intelligence, Medical Image Analysis**Publications Details:****1. Patent Journal Publication Details:**

Published a patent on title ‘Square Shaped CSRR Metamaterial Inspired Rectangular Patch Antenna for Triple Band Application’ and in final examination Phase.

## 2. International Journal Publication Details:

- i. Published a paper entitled “Identification of diabetic retinopathy stages in human retinal image” in International Journal of Advanced Research in Computer Engineering & Technology .(2013)
- ii. Published a paper entitled “Detection of Fish Freshness Using Image Processing in International Journal of Engineering Research & Technology.(2018)
- iii. Published a paper entitled “Detection of Hard Exudates in Color Fundus Images Based On ELM Classifier” in IRE Journals.(March 2020)
- iv. Published a paper entitled “Detection of Covid-19 from X-Ray Images Using Deep Learning” in International Journal of Recent Advances in Multidisciplinary Topics(July 2021)
- v. Published a paper entitled “Identification of glaucoma in human fundus images using multilevel deep Convolution Neural Network” in International Journal of Scientific Research in Engineering and Management (June 2022)

## 3. International Conference Presentation Details:

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## 4. National Conference Presentation Details:

S.No	Title of the Paper	Name of the Conferences	Year & Month
1.	Classification of Tumor on CT Lung Images Using Support Vector Machine Classifier	NCFC2T'15,Nandha Engineering College, Erode	March 2015
2.	Detection of fish freshness using image processing	National Conference on Innovations in Electronics, Communication and Computing - NCIECC`17,Velammal College of Engineering and Technology, Madurai	March 2017
3.	Classification of Diabetic Retinopathy using SVM classifier.	National conference on Smart computing and Advanced communication ,SCAC'19	March 2019
4.	Classification of a brain tumor in MRI using PNN based fuzzy approach.		
5.	Detection of Microaneurysms in Fundus Image for Diabetic Retinopathy Identification.		

6.	Advancements in Early Fire Detection and Monitoring System : A review	National Conference on “Sustainable Infrastructure with Responsible Consumption and Production”	March 2022
7.	Weapon Detection using Neural Network	National Conference on “Advances in Communication, Artificial Intelligence and Optimization Techniques”	May 2022

## 5. Google Scholar report:



**A. Alaimahal**

Assistant Professor / ECE , [Velammal College of Engineering and Technology](#).  
Verified email at [vcet.ac.in](#)

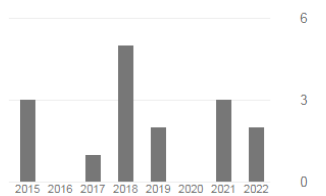
[Digital Image processing](#) [Medical Image Analysis](#)

FOLLOW

<input type="checkbox"/>	TITLE			CITED BY	YEAR
<input type="checkbox"/>	<a href="#">Identification of diabetic retinopathy stages in human retinal image</a> A Alaimahal, DS Vasuki International Journal of Advanced Research in Computer Engineering ...			12	2013
<input type="checkbox"/>	<a href="#">Detection of Fish Freshness Using Image Processing</a> A Alaimahal, S Shruthi, M Vijayalakshmi, P Vimala International Journal of Engineering Research & Technology (IJERT)			4	2017
<input type="checkbox"/>	<a href="#">Detection of Covid-19 from X-Ray Images Using Deep Learning</a> S Karthikeyan, AR Aravind, SA Surya, A Alaimahal International Journal of Recent Advances in Multidisciplinary Topics 2 (7 ...				2021
<input type="checkbox"/>	<a href="#">Detection of Hard Exudates in Color Fundus Images Based On ELM Classifier</a> A ALAIMAHAL, DRS VASUKI				2020

Cited by

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Citations	16	13
h-index	2	2
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Co-authors

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No co-authors