




<u>Department of Computer Science and Engineering</u>				
NAME	<i>CALLINS CHRISTIYANA C</i>			
UNIQUE ID	<i>FD2004</i>			
DESIGNATION	PROFESSOR			
QUALIFICATION	B.E.,M.Tech.,Ph.D			
EMAIL ID	<u>ccallins@sethu.ac.in</u>			
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EXPERIENCE	INDUSTRY	TEACHING	TOTAL	
	NIL	19 years 7 months	19 years 7 months	
DATE OF JOINING THE INSTITUTION	14.06.2002			
RESEARCH FOCUS	<i>Content Based Image Retrieval</i>			
SUBJECT COMPETENCY	Data Structures Theory of Computation Design and Analysis of Algorithms Compiler Design			
NO OF JOURNAL PUBLICATION (INTERNATIONAL/NATIONAL)	13			
NO OF CONFERENCE ATTENDED (INTERNATIONAL/NATIONAL)	12			
NO OF BOOKS PUBLISHED	1			

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	Computer Science and Engineering	Manonmanium Sundaranar University, Tirunelveli	2001
PG	M.Tech	Computer and Information Technology	Manonmanium Sundaranar University, Tirunelveli	2007
Ph.D	Ph.D	Information and Communication Engineering	Anna University, Chennai	2016

Details of Journal Publications:

1. **C.Callins Christiyana**, V.Rajamani, A.Usha devi, “Ultra Sound Kidney Image Retrieval using Time Efficient One Dimensional GLCM Texture Feature.” , International Journal of Computer Applications (0975 – 8887) on Advanced Computing and Communication Technologies for HPC Applications - ACCTHPCA, June 2012, pp.12-17. **(International Journal)**
2. **C.Callins Christiyana**, V.Rajamani, “Performance Analysis of Grey Level Co-occurrence Matrix and Co- occurrence of Sum and difference Histogram Probabilities for Ultra Sound Kidney images Retrieval.” , European Journal of Scientific Research ISSN 1450-216X Vol.88 No 3 October, 2012, pp.451-459. **doi:10.3844/ajassp.2014.248.257. (International Journal)**
3. **C.Callins Christiyana**, V.Rajamani, “Comparison of Local Binary Pattern Variants for Ultrasound Kidney Image Retrieval.”, International Journal of Advanced Research in Computer Science and Software Engineering, Vol.2, issue 10,2012. pp: 224-228. **(International Journal)**
4. **C.Callins Christiyana**, V.Rajamani, “Second Order Statistical Texture features from a new CSLBPGLCM for ultrasound Kidney images Retrieval.”, Applied Medical Informatics, Vol 33, No 4, 2013, pp.32-39. **(International Journal)**
5. **C.Callins Christiyana**, V.Rajamani, “A New Laws Filtered Local Binary Pattern Texture Descriptor for Ultrasound Kidney Images Retrieval”, Applied Medical Informatics Journal, Vol.35, No.1, 2014, pp.1-10. . **(International Journal)**

6. M.Mahalakshmi, **C.Callins Christiyana**, “A Secure Authentication Method for Grayscale Document Images”, International Journal of Advanced Research in Computer Science & Technology, vol.2, issue.1, 2014, pp.91-94. **(International Journal)**
7. **C.Callins Christiyana**, V.Rajamani, “Global Neighbour Preserving Local Ternary Co-occurrence Pattern (GNPLTCoP) for Ultrasound Kidney Images Retrieval”, Indian Journal of Science and Technology, Vol.8(7), 2015, pp. 614-621. . **(National Journal)**
8. R.E.Jensie, **C.Callins Christiyana**, “Subsuming Global Information in Local Binary Patterns of Ultrasound Kidney Images Retrieval”, International Journal of Applied Engineering Research, Vol.10, No.31, 2015, pp. 23133- 23141. . **(International Journal)**
9. **C.Callins Christiyana**, V.Rajamani ,“The Complete Local Spatial Central Derivative Binary Pattern for Ultrasound Kidney Images Retrieval”, Applied Medical Informatics Journal, Vol.37, No.4, pp.38-50, 2015. **(International Journal)**
10. J.Ponmegala, **C.Callins Christiyana**, “Classification of CT Lung Images Using Fisher Criterion and Genetic Optimization”, International Journal of Engineering Science and Computing, Vol. 7, No.3, 2017, pp.5081-5085. **(International Journal)**
11. **C.Callins Christiyana**, K.Rajalakshmi, “Performance comparison of Image Retrieval System using Local Binary Pattern in Wang Database with various distance measures”, SSRG International Journal of Computer Science and Engineering (SSRG-IJCSE) – Special Issue ICCREST – April 2018, pp.13-22. ISSN: 2348 – 8387. **(International Journal)**
12. **C.Callins Christiyana**, M.Mathinakani, M.Poomani@Punitha, K.Priyadharsini, “Color-Textured Feature Based Image Retrieval Using Local Binary Pattern with Hyper_Plane Thresholding”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.8,Issue.8,June 2019, pp.912-918. ISSN:2278-3075. **(International Journal)**
13. **C.Callins Christiyana**, J.Merlin Sheeba Rani, and V.Rajamani, “Relative Retrieval Efficiency Analysis of Local Binary Pattern variants in Color Images”, International Journal of Scientific & Technology Research, Vol.8, Issue.8, August 2019, pp.1299-1305. ISSN 2277-8616. **(International Journal)**

Details of Conference Publications:

1. Krishnan Nallaperumal, Sheerin banu, **Callins Christiyana**, “Content Based Image Retrieval using Dominant Color Identification Based on foreground Objects” in the **IEEE International conference on Computational Intelligence and Multimedia Applications (ICCIMA '07)** during 13-15 December 2007 organised by Mepco Schlenk Engineering College.
2. Krishnan Nallaperumal, Sheerin banu, **Callins Christiyana** , “Content Based Image Indexing and Retrieval using Color descriptor in wavelet domain” in the **IEEE International conference on Computational Intelligence and Multimedia Applications (ICCIMA '07)** during 13-15 December 2007 organised by Mepco Schlenk Engineering College.
3. **C.Callins Christiyana**, J.Sutha, M.Sheerin Banu, “Shape based Image Retrieval using Cellular Automata and Fourier Descriptors” in 2009 **IEEE International Advance computing conference (IACC' 09)**, organized by Thapar University,Patiala, IEEE Delhi Section and IEEE Computer Society Chapter Delhi Section during 6-7 March 2009.
4. **C.Callins Christiyana**, V.Rajamani, “Ultrasound Kidney Image Retrieval using Cellular Automata & Fourier Descriptors”, in **AICTE Sponsored National Conference on “Hi-Tech Trends in Emerging Computational Technologies”** at Sethu Institute of Technology during 20th and 21st February 2012.
5. **C.Callins Christiyana**, V.Rajamani, A.Ushadevi, “Ultrasound Kidney Image Retrieval using Time Efficient One Dimensional GLCM Texture Features”, in **Third International Conference on Advanced Computing & Communication Technologies For High Performance Applications** at Federal Institute of Science and Technology, Kerala during 21st June to 23rd June 2012.
6. M.Mahalakshmi, **C.Callins Christiyana**, “A secure Authentication Method for Gray scale Document Images” in **AICTE Sponsored International Conference on “Hi-Tech Trends in Emerging Computational Technologies”** at Sethu Institute of Technology during 20th and 21st February 2014.
7. R.E.Jensie, **C.Callins Christiyana**, “Subsuming Global Information in Local Binary Patterns of Ultrasound Kidney Images Retrieval” in **3rd International Conference on “Hi-Tech Trends in Emerging Computational Technologies** at Sethu Institute of Technology during 8th and 9th April 2015.

8. J.Ponmegala, **C.Callins Christiyana** , “Feature Selection in CT images based on modified Genetic Optimization using Fisher Criterion” in **ICMR Sponsored IEEE International Conference on Science, Technology, Engineering and Management (ICSTEM '17)** held on 3rd and 4th March 2017 at KIT-Kalaignar Karunanidhi Institute of Technology, Coimbatore, Tamilnadu, India.
9. **C.Callins Christiyana**, K.Rajalakshmi , “Performance comparison of Image Retrieval System using Local Binary Pattern in Wang Database with various distance measures”, in the **International conference on Current Research in Engineering Science and Technology** at Jayaram College of Engineering and Technology in association with Seventh Sense Research Group on 30th April 2018.
10. **C.Callins Christiyana**, M.Mathinakani, S.Gomathi, “Color-Textured Feature Based Image Retrieval Using Local Binary Pattern with Hyper _Plane Thresholding” in **Seventh National Conference on Hi-Tech Trends in engineering Computational Technologies”-SITCON 2019** held on 22.03.19 at Sethu Institute of Technology.
11. **C.Callins Christiyana**, J.Merlin Sheeba Rani, M.Poomani@Punitha, “A Comparative study of Local binary pattern Variants based Color Images Retrieval” in **Seventh National Conference on Hi-Tech Trends in engineering Computational Technologies”-SITCON 2019** held on 22.03.19 at Sethu Institute of Technology.
12. **C.Callins Christiyana**, S.Vincy Infana, “Weber Local Tri-Directional Pattern (WLTP) For Content Based Image Retrieval” in **8th National Conference vSITCON 2020** organized by Department of CSE, held on 04.09.2020 at Sethu Institute of Technology.

Details of Book Publication:

1. Published a Book titled “**Computer Fundamentals and Programming in C**”, Pearson India Education Services Pvt. Ltd, 2018, **ISBN No:** 978-93-530-6612.

Patent Published :

Title of the Innovation	Application Number	Publication Date
IOT Based Design For Brain Tumor Detection and Analysis with Advanced Imaging Techniques on MRI Images	202041053804	22.01.2021

Expert Lecture Delivered :

S.No	Institution in which Lecture was delivered	Details of the Programme in which Lecture was delivered	Topic	Date(s)
1	Velammal College of Engineering and Technology, Madurai.	Guest Lecture	Data Structures	18.9.2009
2	Velammal College of Engineering and Technology, Madurai.	Guest Lecture	Design and Analysis of Algorithms	07.04.2010
3	Sri Meenakshi Government Arts College for Women, Madurai.	Guest Lecture	Design and Analysis of Algorithms	22.02.2011
4	Sudarsan Engineering College, Pudukottai.	Invited Lecture in AICTE Sponsored National Seminar	Theory of Computation	19.08.2011
5	K.L.N College of Information Technology, Madurai.	Guest Lecture	Sorting & Algorithm Design Techniques	13.10.2012
6	Sethu Institute of Technology, Kariapatti	Invited Lecture in Anna University, Chennai sponsored Faculty Development Training programme on CS2303-Theory of Computation	Theory of Computation	15.06.2014 and 17.06.2014
7	K.L.N College of Information Technology, Madurai.	Invited Lecture in ISRO Sponsored Five days National Level workshop on "Advanced Research	Content Based Image Retrieval	13.09.2017

		Techniques for Satellite Image Analysis using Image Processing”		
8	Madurai Sivakasi Nadars Pioneer Meenakshi Women’s College, Madurai.	Guest Lecture	Data Structure and its Applications	24.07.2019
9	National Engineering College, Kovilpatti.	Invited Lecture in Anna University Sponsored Six days FDTP programme on Compiler Design	Parser design in Compilers	17.12.2019
10	Online- Francis Xavier Engineering College, Tirunelveli	Invited Lecture in AICTE PRENANA Programme	Theory of Computation	16.10.2020 and 17.10.2020
11	Online-Velammal Institute of Technology, Chennai	Invited Lecture in AICTE FDP Programme	Teaching Learning Methods towards Outcome Based Education-Writing Questions Based on Bloom’s Taxonomy for Examination	18.02.2021