

Educational Qualification			
Degree	Branch	Institute	Year
B.E	Electronics and Communication Engineering	SACS M.A.V.M.M. Engineering College, Madurai	2006
M.E	Embedded System Technologies	Raja College of Engineering and Technology, Madurai	2013
Ph.D	Medical Imaging	Thiagarajar College of Engineering, Madurai	Pursuing

Experience			
Designation	Institution/ Company	Project	Period
Application Engineer	CSS Corporation Pvt. Ltd., Chennai	Vonage - VOIP	Nov 2006 – May 2011
Project Associate	Thiagarajar College of Engineering, Madurai	UGC - Victims Identification in Forensic Odontology using Dental Images	March 2015 – March 2017
Senior Research Fellow	Thiagarajar College of Engineering, Madurai	CSIR - Delineation of Inferior Alveolar Nerve Canal Using Image Segmentation Methods	May 2018 – May 2021

Publications

Patents
1. Published a Patent entitled “System and Technique for Detecting Inferior Alveolar Nerve Canal in Dental Images” on 16th July 2020 with the Application number.202041030459.

Journals
1. “Inferior Alveolar Nerve Canal Segmentation by Local Features based Neural Network Model”, IET-Image Processing Journal, Vol 16, pp. 703–716, 2022. https://doi.org/10.1049/ipr2.12375 .
2. “Automatic localization of inferior alveolar nerve canal in panoramic dental images”, Signal, Image and Video Processing, Springer, pp.1-9, 2022, doi: 10.1007 /s11760-021-02091-1

3. "Artificial Neural Network Modelling of RF Switches", Gradiva Review Journal, Vol. 8, Issue 5, pp. 596 – 605. ISSN No. 0363 – 8057. doi: 10.37897.GRJ.2021.V7I11.21.49843.
4. "Detection of Inferior Alveolar Nerve Canal by Feature based Machine Learning Approach", NCAIEV21 Journal of Physics: Conference Series 1917 (2021) 012025 IOP Publishing doi:10.1088/1742-6596/1917/1/012025.
5. "DWT Based QR Steganography". NCAIEV21, Journal of Physics: Conference Series 1917 (2021) 012020 IOP Publishing doi:10.1088/1742-6596/1917/1/012020.
6. "Deep Learnt Features and Machine Learning Classifier for Texture Classification", IOP:Journal of Physics Conference Series, Volume 1706 (2020).
7. "Wavelet Based Contour Extraction of Dental Images for Human Forensic Identification". ICET - 2017, SSRG International Journal of Electronics and Communication Engineering –Special Issue – March 2017.

Conferences

1. "Shallow CNN Model for Recognition of Infant's Facial Expression", in the 4th International Conference on Machine Intelligence and Signal Processing – MISP 2022.
2. "Automatic Segmentation of Inferior Alveolar Nerve Canal in Dental OPG Images", in the International conference on Agriculture, Healthcare and Green Computing Perspective of Communication Technologies – ICAHGCT -2022.
3. "Detection of Inferior Alveolar Nerve Canal by Feature based Machine Learning Approach", in the National Virtual Conference on Advanced Informatics, Electronics and Vision.(NCAIEV'2021)
4. "Diagnosis of Dental Deformities using Image Processing Techniques" in the International Conference on Innovations in Engineering and Industrial Applications (ICIEIA'2018).
5. "Virus Detection and Correction Processor for Secure Embedded Network" in the International Conference "ICACT 2013" held on 8th March 2013.
6. "A Real Time Virus Detection and Correction Processor for Secure Embedded Network" and in the National Conference "NCNIC'13" held on 15th March 2013.
7. "A Pattern Matching Based Secure Virus Correction and Testing Processor for Embedded Network" in the National Conference "NCINM 2013" held on 4th April 2013

Seminar / Workshop Attended

1. Participated in CSIR Sponsored National Seminar "ADATEWA 2011" in December 2011.
2. TEQIP Sponsored workshop on "Research Paper Writing" organized by the Academic Research Section of Thiagarajar College of Engineering on 15th September 2016.
3. A two day TEQIP-II sponsored "ACM Distinguished Speaker Programme" at Thiagarajar College of Engineering held on 9th – 10th December 2016.
4. TEQIP Sponsored one day workshop on "Intellectual Property Rights and Innovations" held on October 6th 2017.
5. TEQIP Sponsored one day workshop on "Myths and Realities of R&D and IPR at EEIs: Issues, Challenges and Opportunities" at Thiagarajar College of Engineering held on 13th July 2018.
6. Two days workshop on "Soft Computing Techniques" at Thiagarajar College of Engineering held on 13th – 14th August 2018.
7. TEQIP Sponsored two days workshop on "Recent Trends and Research Challenges in Deep Learning" at Thiagarajar College of Engineering held on 30th -31st August 2018.
8. TEQIP III Sponsored one day national workshop on "Medical Informatics" at Thiagarajar College of

Engineering held on 17th December 2018.

9. Two days FDP on “Deep Learning for Image Analysis” at Thiagarajar College Engineering, held on 30th July & 31st July 2021.

Awards / Recognition Received

1. Awarded and Received Senior Research Fellowship from Council of Scientific & Industrial Research (CSIR) - Human Resource Development Group with the SRF File no.: 08/237(0015)/2018-EMR-I.
2. Awarded and Received – TEQIP Teaching Assistantship for four months in 2018.
3. Won Best Paper Award in National Virtual Conference on Advanced Informatics, Electronics and Vision (NCAIEV' 21).
4. University rank holder in M.E