

BIO-DATA

Name : **M. MENAGADEVI**
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Nationality and Religion : Indian-Hindu
Marital Status : Married



STATEMENT OF ACADEMIC TRAINING

Degree	Area of Specialization	Class Obtained	% of Marks	Year of Passing	Name of the Institution/University
Ph.D	Image processing	-	-	Pursuing	Anna University, Chennai
M.E	Applied Electronics	First Class With Distinction	8.89 (CGPA)	2012	Kongu Engineering College (Autonomous) –Anna University, Coimbatore.
B.E	Biomedical Engineering	First Class With Distinction	77	2009	Velalar College of Engineering and Technology, Anna University, Chennai.
H.S.C	-	First Class	83.83	2005	Kongu Vellalar Higher Secondary School, Perundurai, Erode.
S.S.L.C	-	First Class	75	2003	Sri VidhyaNikethan Matriculation School, Kangayam, Erode.

TEACHING EXPERIENCE

Sl. No.	Name of the Institution	Designation	Period	
			From	To
1	Department of ECE, K. S. Rangasamy College of Technology, Tiruchengode – 637 215 Namakkal District, Tamil Nadu.	Assistant Professor	June 2012	June 2018
2	Department of Biomedical Engineering, Velalar College of Engineering and Technology ,Erode(Dt), Tamil Nadu.	Assistant Professor	July 2018	June 2021

3	Department of Biomedical Engineering, Dr.N.G.P Institute of Technology, Coimbatore	Assistant Professor	July 2021	Till date
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LIST OF PROPOISALS SANCTIONED

S.No.	Title	Funding Agencies	Amount Sanctioned
1.	National level Seminar on Cognitive satellite geodesy image processing and remote sensing	Ministry of Earth Science (MOES)	Rs.100,000.00
2.	National level Seminar on Contribution of mathematical models in biomedical imaging on May 4 th 2019	Council of Scientific & Industrial Research (CSIR)	Rs.15000
3.	National level Workshop Recent development in modeling of Biomedical instrumentation design using molecular dynamics and Monte Carlo techniques-July 11 th and 12 th 2019.	Council of Scientific & Industrial Research (CSIR)	Rs.20000
4.	National level Technical Symposium on Recent Advancement in Riemann Hypothesis Technology and Innovations in Adaptable Intelligence Systems for Biomedical System Design using Smart Materials - a future Approach (RHAIFA)'19" Sep 21 st 2019	Council of Scientific & Industrial Research (CSIR)	Rs.20000
5.	National level Conference On "Current and future challenges in point-of-care technologies: a paradigm-shift in affordable global healthcare with personalized and preventive medicine"(POCT'20).March 21th 2020	Council of Scientific & Industrial Research (CSIR)	Rs.22000
6.	Short term training program session 1 and 2 on "Machine Learning Techniques For Medical And Healthcare Applications" session 1: August 3 to 8. Session 2: September 21 to 26,2020	All India Council for Technical Education(AICTE)	Rs.2,70,0000

POJECT PROPOSAL

S.No.	Title	Funding Agencies	Status	Amount
1.	Early Detection of Fetal Congenital Heart Disease using Artificial Intelligence	DBT	Under 1 st review	36 Lakhs

BOOK CHAPTER

S.No.	Title	Publisher	Status
1.	Resting state fMRI-large data analysis in Neuroimaging	Book titled “Brain-computer Interface: using deep learning applications” by Wiley publications	Selected(Under Review)
2.	Brain Tumor Detection And Classification Using Deep Learning	Book titled “Brain-computer Interface: using deep learning applications” by Wiley publications	Selected(Under Review)

RESOURCE PERSON

S.No.	Title	Name of the seminar
1.	<ul style="list-style-type: none">➤ Osteoporosis➤ Vertebroplasty and kyphoplasty Techniques	CSIR Sponsored Seminar on “Recent advancement in Computational Biomechanical Modeling of joint mechanics and Early therapeutic methods for Osteoporosis using prophylactic Vertebroplasty and kyphoplasty”

LIST OF INTERNATIONAL JOURNAL

S.No.	Topic	Journal Name
1.	Analysis of Diabetic Retinopathy Images Using Blood Vessel Extraction	International Journal of Advanced Engineering Research and Studies, Vol.I /Issue II,January-March 2012.
2.	Achievement of maximum throughput and low delay in wireless networks	International Journal For Trends In Engineering & Technology, Vol 1, Issue 1

LIST OF INTERNATIONAL CONFERENCE

S.No.	Topic	Journal Name
1.	Achievement of Maximum throughput and Low Delay in Wireless Networks	International Conference on Innovation in Communications and Computer Engineering (ICICCE-2015).

2.	Optimization and Classification of leukemia cancer cells using support vector machine.	International Conference on Science, Engineering and Technology.
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LIST OF NATIONAL CONFERENCES

S.No.	Topic	Conference Name
1.	GPS based real time vehicle tracking system using android phone	First National conference on Intelligent Automation in Science Engineering and technology.
2.	Classification of diabetic retinopathy images using image processing techniques	First National conference on Innovation in signal processing embedded systems and communication technology.
3.	GPS based real time vehicle tracking system using android phone.	First National conference on Intelligent Automation in Science Engineering and Technology.
4.	Feature Extraction and Classification of Bone Tumor using Image Processing	National conference on Recent Advancement and Effectual Research in Electrical Engineering.
5.	DCM Based Image Retrieval	National conference on Trends in Engineering Application
6.	Ischemic Stroke Detection using Digital Image Processing by Morphological Operation	National conference on Trends in Engineering Application

LIST OF WORKSHOPS/FDP

S.No.	Topic	Conducted by
1.	Research challenges in image processing	Coimbatore Institute of Technology, Coimbatore
2.	Advanced level intensive workshop on neural networks for image and signal processing	PSG College of Technology, Coimbatore.
3.	Wireless sensor networks for the surveillance of nuclear radiation	AICTE Sponsored National Level Seminar at K. S. Rangasamy College of Technology.
4.	FDP on Medical Electronics	Vellalar College of Engineering and Technology

5.	Recent advancement in Computational Biomechanical Modeling of joint mechanics and Early therapeutic methods for Osteoporosis using prophylactic Vertebroplasty and kyphoplasty	CSIR Sponsored National Level Seminar at Vellalar College of Engineering and Technology
6.	Offloading process for video orthostration in mobile edge computing	CSIR Sponsored National Level Seminar at Vellalar College of Engineering and Technology
7.	Machine learning for data science and analytics	CSIR Sponsored National Level Seminar at Vellalar College of Engineering and Technology
8.	High Intense Course on Machine Learning with MATLAB by Mathworks	Teaching Learning Centre, Coimbatore Institute of Technology
9.	Data Analytics with python	Excel Engineering College Entrepreneurship cell ,IIT Bomby
10.	Statics for Data Analytics	K.S.Rangasamy College of Technology,Tiruchencode

MEMBERSHIP (LIFE MEMBERSHIP)

Sl.No	Name
1	Indian Society for Technical Education, New Delhi.
2	BMES-Biomedical Engineering Society

PROJECT EXPERIENCE

Under-graduation	Wireless blood pressure monitoring using GSM.
Post-graduation	Classification of Diabetic Retinopathy Images using image processing and Eigen Value of Hessian Matrix.

LIST OF SUBJECT HANDLED UPTO THIS

S.No.	Title of the Subjects	Percentage of Pass	College/University
1.	Digital principles and system design	95%	K. S. Rangasamy College of Technology (Autonomous), Thiruchencode,Nammakal.
2.	Basics of electronics and engineering	97%	K. S. Rangasamy College of Technology (Autonomous), Thiruchencode,Nammakal.

3.	Telecommunication and Switching Techniques	98%	K. S. Rangasamy College of Technology (Autonomous), Thiruchencode,Nammakal.
4.	Communication Engineering	98%	K. S. Rangasamy College of Technology (Autonomous), Thiruchencode,Nammakal.
5.	Medical Electronics	100%	K. S. Rangasamy College of Technology (Autonomous), Thiruchencode,Nammakal.
6.	Digital Image Processing	100%	K. S. Rangasamy College of Technology (Autonomous), Thiruchencode,Nammakal.
7.	Electronic Circuits	96%	Velalar College of Engineering and Technology(Autonomous),Thindal,Erode.
8.	Anatomy and Human Physiology	100%	Velalar College of Engineering and Technology(Autonomous),Thindal,Erode.
9.	Biomaterials and artificial organs	98%	Velalar College of Engineering and Technology(Autonomous),Thindal,Erode.
10.	Biometric systems and their Applications	100%	Velalar College of Engineering and Technology(Autonomous),Thindal,Erode.

Declaration

I hereby declare that the above particulars furnished by me are true to the best of my knowledge and belief.

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5/7/21

Place: Coimbatore

Date: 05.07.2021

Yours faithfully

MENAGADEVI .M