Dr. A. CHILAMBUCHELVAN

E-mail

acc.ece@rmd.ac.in

Qualification

- ➢ B.E. in Electronics and Communication Engineering from Mepco Schlenk Engineering College, Sivakasi, Madurai Kamaraj University, Madurai.

- ➢ M.E. in Applied Electronics from Coimbatore Institute of Technology, Coimbatore.

- ➢ Ph.D from Anna University, Chennai.

Specialization

- ➢ Embedded Systems

Research Interest

- ➢ Embedded Systems
- ➢ VLSI Design
- ➢ Biomedical instrumentation
- ➢ Image Processing

Publications

https://publons.com/researcher/2329491/chilambuchelvan-arul-gnanaprakasam/
https://orcid.org/0000-0002-6346-9645
https://scholar.google.co.in/citations?user=FG3YRk0AAAAJ&hl=en
https://www.researchgate.net/scientific-contributions/2082887516_A_Chilambuchelvan
https://vidwan.inflibnet.ac.in/profile/272774

DETAILS OF THE RESEARCH SCHOLARS COMPLETED PhD

S.No	Name of the Research Scholars	Title of the Thesis / Research Topics	Area of Specialization	Status
1	Dr.N.Padmavathi	Maximum Power Point Tracking In PV System Using Machine Learning Controllers For Microclimatic Conditions	Renewable Energy	Awarded (2022)
2	Dr.S.RajaShree.	Improving the Data Integrity in Cloud Environment by Using Third Party Auditor	Cloud Computing	Awarded (2021)
3	Dr. K.Saravanan	Performance Evaluation of Channel Assignment and Congestion Control Techniques in Multichannel Wireless Mesh Network	Computer Networks	Awarded (2020)
4	Dr.N.Vini Antony Grace	Performance Analysis of Prediction Based Data Compression Algorithm for Wireless Sensor Networks	Signal Processing	Awarded (2020)
5	Dr. Juliet Rani Rajan	Early Diagnoses of Lung Cancer using Intelligent Mining	Data Mining	Awarded (2020)
6	Dr.B.Prathusha Lakshmi	Sleep Scheduling in Hash- based Geographic Secured Two Phase Routing for Wireless Multimedia Sensor Networks	Wireless Sensor Networks	Awarded (2019)
7	Dr. A.Thilagavathy	Hybrid Techniques for Efficient Detection of Text in Digital Images	Data Mining	Awarded (2019)
8	Dr. K.C. Sharmili	Optimal Feature Subset Selection in High Dimensional Data Clustering	Data Mining	Awarded (2019)

S.No	Name of the Research Scholars	Title of the Thesis / Research Topics	Area of Specialization	Status
9	Dr. G. Aarthy Priscilla	A Fast and Parallel Implementation of Deflation based Power Iterative Clustering Algorithm for Cloud Computing	Cloud Computing	Awarded (2019)
10	Dr. Sujatha	Multimodal Biometric Authentication Algorithm using Iris, Palm Print, Face and Signature with Encoded DWT Wireless Personal Communications	Biometrics	Awarded (2018)
11	Dr. R.Manjula	An Novel Approach to Extract the Content Retrieval with the Image Perception Using Collaborative Community Oriented Shifting by Cluster Computing	Intelligent Agent	Awarded (2018)
12	Dr. K. Anitha	Investigations of Neural Network Classifiers and its Application to Content Based Image Retrieval Systems	Image Processing	Awarded (2017)
13	Dr.R.Bhavani	A Unified Framework based on Orthogonal Polynomials and Representative Association Rules for Secure Intelligent Medical Image Diagnosis	Data Mining	Awarded (2017)
14	Dr.G.Bala subramanian	Study of Newly Developed Filters in Wavelet and Non- linear Spatial Domains for Suppressing Gaussian and Salt and Pepper Noise in Images	Image Processing	Awarded (2016)
15	Dr. J.Shanmugapriyan	Soft Switched Z Source Inverter for Optimized Current and Voltage Control in Industrial Motor Drives	Power Drives	Awarded (2015)
16	Dr. B.Jaison	A Discrete Wavelet based Feature Extraction and Hybrid Classification Technique for Micro Array Data Analysis	Image Processing	Awarded (2015)

S.No	Name of the Research Scholars	Title of the Thesis / Research Topics	Area of Specialization	Status
17	Dr. N.Usha Bhanu	Efficient Architecture for High Speed and Low Power VLSI Implementation of Lifting DWT	Low Power VLSI Systems	Awarded (2014)
18	Dr. P.Ezhumalai	Design and Implementation of High Performance Communication Architectures for NoC system Accelerators	Low Power Embedded Systems	Awarded (2012)

DETAILS OF THE RESEARCH SCHOLARS PURSUING PhD

S.No	Name of the Research Scholars	Area of Specialization	University	Status
1	Mrs. G. Karthika	Image Processing	Anna University	Synopsis submitted
2	Mr. M.Aravindan	Process control	Anna University	Synopsis submitted

FUNDED PROJECTS

S.No.	Project Name	Sanctioned by	Year of sanction & Duration	Amount, in lakhs
1	Machine Cloning	Innovation and Entrepreneurship Development Centre	2018-2019	Rs.1 Lakh
2	Automated Drone for Self Defence	Innovation and Entrepreneurship Development Centre	2017 - 2018	Rs.1 Lakh
3	Automated Shopping System using PLC and SCADA	Innovation and Entrepreneurship Development Centre	2015 - 2016	Rs.1 Lakh
4	Autonomous Trash Pick and Sort Robotic Vehicle – Trash Bot	Innovation and Entrepreneurship Development Centre	2014 - 2015	Rs.1 Lakh

Members in Professional Bodies

- Life member in Indian Society for Technical Education (LISTE)
- Life member in Instrument Society of India(LISOI)
- Life member in Institution of Electronics and Telecommunication Engineers (IETE)
- Life member in Bio Medical Engineers Society of India (BMESI)
- Member in Institute of Electrical and Electronics Engineers (IEEE)

Member of Academic Bodies like BOS, Senate, etc of university /other institutes

- Recognised supervisor of Anna University

Contact Address

Dr.A.Chilambuchelvan M.E. PhD
Professor
Department of Electronics and Communication Engineering
R.M.D Engineering College,
Kavaraipettai-601206