APPLICATION FOR **PROFESSOR**	
Department : Electrical and Electronics Engineering	
PERSONAL DETAILS	

1. Name: Dr. S.MANIKANDAN., 6-Scopus Author ID: 57194222656 Research Gate Score: 14.51, Google citations: H-index:4 [Selected for Best Professor Award from Engineering Today, Malaysia] http://orcid.org/0000-0002-1960-8310.

B.E. (EEE).,M.Tech (HVE).,Ph.D(ECE).,FIE.,FIETE. FISRD, FISEEE.,FISECE, FIFERP.,FISET .,LMSYSI.,MIAENG., MAASCIT .,MIAMM.,

https://www.scopus.com/authid/detail.uri?authorId=57194222656
https://scholar.google.co.in/citations?user=mWh66ecAAAAJ&hl=en
https://www.researchgate.net/profile/Manikandan_S3
https://ndl.iitkgp.ac.in/document/yUFnhYjMqyObRgEVYLHAx8L0YXad4ssm050srL0D9O0wrGdPMl9mRqXpVch5C-fzmBKzCq2NMxtllNXHYiHwyQ
http://learnof.freshersworld.com/in/college/ganesh-college-of-engineering-gce-salem/7602
https://www.mendeley.com/authors/57194222656/

2. Father Name: K.Subramani

3. Date of Birth:01/06/1977	**4. Age:**43
5. Sex: Male	**6. Nationality:** Indian
7. Religion: Hindu	**8. Community :** B.C
9. Caste : Vellala Gounder	**10. Marital Status :** Married

11. Address for Communication: Door No: 168/25J, Co-operative colony, Mohanur Road, Namakkal- 1.

Mobile No: **+919003623625.**

Email ID. : drsmanikandan1978@gmail.com

ACADEMIC QUALIFICATION-All are Full Time Degrees with First Class

S.No	Degree	Specialization	Year of Passing	Full time / Part time / Distance Education	Class / Position	Agg. % / CGPA	Institution	University
1.	PhD	ECE	2013	Fulltime	**Highly command**	-	Shri JJT university, Jaipur.	Shri JJT university
2.	M.Tech	High Voltage Engg	2003	Fulltime	**First with distinction**	8.0	SASTRA University, Tanjore.	SASTRA University
3.	B.E	Electrical and Electronics Engg	2000	Fulltime	**First class**	69.5	KSR College of Technology, Namakkal.	University of Madras
4.	DEEE	Electrical and Electronics Engg	1997	Fulltime	**First with distinction**	86.2	Muthayammal Polytechnic College, Rasipuram.	State Technical Board, Chennai.

PROFESSIONAL EXPERIENCE -19 Years Exp

			Teaching – Chronological Order			
S.No.	**Designation**	**Name of the University / Institution**	**Duration**		**Experience (in years)**
			From	**To**	
1.	Professor	Balaji Institute of Technology and Science ,Warangal	21-12-2016	16.04.19	2 Years 7 Months
2.	Professor & Principal	Ganesh College of Engineering, Salem	02.05.13	14.09.16	3 Years 4 Months
3.	Associate Professor& Dean	V.K.S College of Engineering and Technology, Karur.	15.09.12	09.03.13	6 Months
4.	Professor and Head	King College of Technology, Namakkal.	12.03.10	13.09.12	2 Years 6 Months
5.	Senior Lecturer	European University of Lefke, Cyprus.	01.09.09	01.02.10	5 Months
6.	Assistant Professor& Head	King College of Technology, Namakkal.	14.05.08	15.07.09	1 Year 2 Months
7.	Assistant Professor	Muthayammal Engineering College, Rasipuram	01.11.00	30.04.08	1 Year 6 Months
Total					**18.4 Years**

			Industry – Chronological Order			
S.No	**Designation**	**Name of the Industry / Corporate**	**Duration**		**Experience (in years)**
			From	**To**	
1.	CEO & MD	Edison Research Solution, Namakkal.	19.04.19	Till Date	8 Months
Total					**8 Months**

RESEARCH EXPERIENCE

		Supervisor Recognition Details		
S.No	**Name of the Research Scholar**	**Name of the University**	**Title of the Research**	**Year of Completion**
1.	R. RanadheerReddy	Carrier Point University	Maximum Power Point Tracking of Photovoltaic Panels by Using Improved Pattern Search Methods	Thesis submitted
2.	A. Muralikrishna	Carrier Point University	Performance and Analysis of IOT implementation using modern low power wireless technologies	Thesis submitted
3.	S. Syed Shajahaan	Carrier Point University	Biq Data for Former applications	Course work completed
4.	S.Murugan	Mewar University	Performance and analysis of Big data with cloud computing	Course work completed

Google Scholar Link:
https://scholar.google.co.in/citations?hl=en&user=mWh66ecAAAAJ&view_op=list_works&gmla=AJsN-F6ckZ95_mCzQwae9Nk0jf8TMi9qOKYWlGIe-ILa126o6bJRymzz1N9g70IsUKEMLPjLvP7QRkWxpneCEpsvvVDucewtLVua3Z6rflVFDZ_1kzXRqMg

Orchid Id : http://orcid.org/0000-0002-1960-8310

Journals Published

S. No.	Name of the Authors	Title of the Article	Journal Name	Vol./No./pp/ Year	Impact Factor	Indexing SCI/SCIE/Scopus etc.,	Citation
1.	**Manikandan S,** Madheswaran M	A New Design of Adaptive Noise Cancellation for Speech Signals using Grazing Estimation of Signal Method	IEEE xplore International Conference on Intelligent and Advanced Systems- ICIAS 2007	**Date of Conference:** 25-28 Nov. 2007 **Date Added to IEEE *Xplore*:** 24 October 2008 **ISBN Information:** Print ISBN: 978-1-4244-1355-3 **CD:** 978-1-4244-1356-0 **INSPEC Accession Number:** 10368677 **DOI:** 10.1109/ICIAS.2007.4658587 **Publisher:** IEEE		**Scopus**	2
2.	**Manikandan S,** Madheswaran M	Performance analysis of active noise control using wavelet de-noising technique	IEEE xplore International Conference on Recent Advances in Microwave Theory and Applications	**Date of Conference:** 21-24 Nov. 2008 **Date Added to IEEE *Xplore*:** 27 January 2009 **ISBN Information:** **INSPEC Accession Number:** 10469166 **DOI:** 10.1109/AMTA.2008.4763215 **Publisher:** IEEE		**Scopus**	1
3.	**Manikandan S,** Madheswaran M	Implementation Of Active Noise Filter For Real Time Noise Reduction Using The Tms320c5402 DSP Kit	Journal of Applied Sciences	Year: 2007 | Volume: 7 | Issue: 19 | Page No.: 2750-2754 DOI: 10.3923/jas.2007.2750.2754		**Scopus**	6
4.	**Manikandan S,** Madheswaran M	A New Design of Active Noise Fed Forward Control Systems Using Delta Rule Algorithms,	Information Technology Journal	Year: 2007 | Volume: 6 | Issue: 8 | Page No.: 1162-1165 DOI: .3923/itj.2007.1162.1165		**Scopus**	6
5.	**Manikandan S,** Madheswaran M	Design of Adaptive noise cancellation for speech signals using GES method	International Journal of Soft Computing	Vol.3, No.2, pp. 63-68.		**Scopus**	1
6.	Mr.Ranadheer Reddy, **S.Manikandan**	Energy Recovery Circuit of Soft Switching Full bridge Converter using Optimization Techniques	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Volume: 8, Issue: 7s, Pages: 83-92.	0.14	**Scopus**	1
7.	S.Sivarajan, **S.Manikandan**, T.Rajeshkumar, R.Ranadheer Reddy	Recent analysis of Green Energy Technology (GET) for Telecom Applications	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-8 Issue-4, November 2019 pp: 1326-1332.		**Scopus**	

8.	**S.Manikandan,** Reshma, G Vani prasanna, Ch Swetha, V S Hariharan.	A new Design and Control of a Two-Wheel Self Balancing Robot using the Arduino Microcontroller	International Journal of Engineering Research in Electrical and Electronic Engineering (IJEREEE)	Volume:4,Issue:2,Pages: 11-16 Publisher: IFERP		**UGC**	
9.	A.Muralikrishna, **S.Manikandan**	Modern Implementation of IOT in Low Power Wireless Technologies Using LORA WAN	Journal of Emerging Technologies and Innovative Research (JETIR)	Volume:6,Issue:4,Pages 200-211.		**UGC**	
10.	A.Muralikrishna, **S.Manikandan,**	Recent techniques of IOT implementation using low power wireless technologies	Journal of Emerging Technologies and Innovative Research (JETIR)	February 2019, Volume 6, Issue 2, pp 139-142.		**UGC**	
11.	Ranadheer Reddy, **S.Manikandan,**	Performance And Analysis Of Soft Switching Full Bridge Dc-Dc Converter Using Asymmetric Phase-Shifted PWM Control	Journal of Emerging Technologies and Innovative Research (JETIR)	January 2019, Volume 6, Issue 1, PP-526-535.		**UGC**	
12.	Ranadheer Reddy, **S.Manikandan,**	A Novel Approach Of Soft Switching Full Bridge Dc-Dc Converter Using Pulse Width Modulation Methods	International Journal of Research and Analytical Reviews (IJRAR)	IJRAR October 2018, Volume 5, Issue 4 (E-ISSN 2348-1269, P-ISSN 2349-5138), PP-582-588.		**UGC**	
13.	**S.Manikandan,**	Speech Enhancement Based On Wavelet De-noising	Academic Open Internet Journal(AOIJ)	Volume 17, 2006, ISSN-1311-4360, Technical college, Bourgas.		**Online**	18
14.	**S.Manikandan,**	Literature Survey Of Active Noise Control Systems	Academic Open Internet Journal(AOIJ)	Volume 17, 2006, ISSN-1311-4360, Technical college, Bourgas.		**Online**	7
15.	**S.Manikandan**	Improved Active Noise Feed forward Control Systems Using Delta Rule Algorithm	Academic Open Internet Journal(AOIJ)	Volume 19, 2006, ISSN-1311-4360, Technical college, Bourgas.		**Online**	2

Funds Received					
S. No.	**Name of the Funding Agency**	**Title of the Project**	**Ref. No.**	**Amount Granted**	**Status of the Project (Ongoing/Completed)**
1.	Maheshwara Educational Society	A new Design and Control of a Two-Wheel Self Balancing Robot using the Arduino Microcontroller	BITS/MES/007	RS.1,00,000	completed

Patent Details

S.No.	Name of the Applicant(s)	Name of the Inventor(s)	Title	Application No. & Patent filed date.	Status of the Patent (Filed/Published/Granted)
1.	ARAVINDAN ALAGASAMY, S MANIKANDAN,N.MAHENDRAN,MURUGANANTHAM.P	ARAVINDAN ALAGASAMY ,S MANIKANDAN,N.MAHENDRAN,MURUGANANTHAM.P	Effective Extraction Of Solar Energy System Design With Labview	201941020561A &2019/6/14	**Published**

Consultancy Work Details

S. No.	Name of the Industry	Title of the Project/Product	Ref. No.	Amount Granted	Status of the Project/Product (Ongoing/Completed)
1.	Verve Research Solution, Pondicherry	Technical advisor	-	-	5

Book(s) / Chapter(s) Published

S. No.	Name of the Authors	Title of the Book/Book Chapter	Name of the Publisher	ISBN No.	Year of Publication
1.	Dr.S.Manikandan	Adaptive Noise Cancellation for Speech Signal Using WGES Method	LAP LAMBERT Academic Publishing (July 10, 2017) [International]	ISBN-10: 9783330330917 ISBN-13: 978-3330330917 ASIN: 3330330910	2017
2.	Dr.S.Manikandan	Design of Transformer Less Three Phase Grid connected Photovoltaic Inverters	VSRD Academic Publishing, India	ISBN-13 : 978-93-87610-27-9	First Edition, October 2018
3.	Dr.S.Manikandan	A Novel Approach to Adaptive Noise Cancellation for Speech Signal Using Wavelet Based Grazing Estimation of Signal Method	VSRD Academic Publishing, India	ISBN-13 : 978-93-86258-57-1	First Edition, June 2017
4.	Dr.S.Manikandan	Design of Transformer less Single Stage Single Phase Grid Connected Photovoltaic System	VSRD Academic Publishing, India	ISBN-13 : 978-93-86258-62-5	First Edition, July 2017
5.	Dr.S.Manikandan, V. Sumathi, S.A. Yuvaraj	Basic Electrical And Electronics Engineering	Sri Maruthi Publishers, Chennai		Jan. 2014

Details of the Editor / Reviewer

Name of the Journal	National /International Journal	Designation
IJCT - International Journal of Computer Techniques	International Journal	Editorial Board Member & Reviewer
Open Research Journal of Digital Signal Engineering	International Journal	Editorial Board Member & Reviewer
International Journal of Computer Applications Technology and Research (IJCATR)	International Journal	Editorial Board Member & Reviewer

Caspian Journal of Applied Sciences Research	International Journal	Editorial Board Member and Reviewer
International Journal of soft Computing and Engineering		Editorial Board Member and Reviewer
International Journal of Communication and Computer Technologies	International Journal	Editorial Board Member and Reviewer
Open Research Journal of Wireless and Mobile Communications Engineering	International Journal	Editorial Board Member and Reviewer
Research Open Journal of Information and Computation Technology	International Journal	Editorial Board Member and Reviewer
International Journal of Advanced Electrical and Electronics Engineering	International Journal	Editorial Board Member and Reviewer
World Open Journal of Computer Engineering Research	International Journal	Editorial Board Member and Reviewer
Journal of Applied sciences	International Journal	Editorial Board Member and Reviewer
Information technology Journal	International Journal	Editorial Board Member and Reviewer
International Journal of systems simulation	International Journal	Reviewer
WSEAS Journals	International Journal	Editorial Board Member and Reviewer
Journal of software Engineering	International Journal	Editorial Board Member and Reviewer
Space Research Journal	International Journal	Editorial Board Member and Reviewer
Trends in applied sciences Research	International Journal	Editorial Board Member and Reviewer

Ph.D THESIS

TITLE : A Novel Approach to Adaptive Noise cancellation for Speech Signal Using Wavelet Based Grazing Estimation of Signal Method

ABSTRACT : This thesis introduce the reducing the content of noise present in the received Speech signals for wireless communication medium by using Wavelet based Grazing Estimation of Signal (WGES) Method. The received signal is corrupted due to mixing of white Gaussian noise. This proposed method is designed based on the superposition principle with eight possible cases. By conducting multiple possible cases of signal movement the noise signal is moved to opposite direction of original signal. This output is cascaded with wavelet transforms techniques with compare the available control algorithms output error signals. Compared to other available control algorithms the proposed method is Simple to implement, yields good performance and converges quickly. This proposed technique is implemented using Matlab7.0 software and DSP processor .This computer output simulation results confirm the effectiveness of our proposed algorithm.

M.Tech THESIS

TITLE: Design of lightning mast for 230 / 110 KV substation.

ABSTRACT: Lightning is a competitive event, so it's not a simple case of launching the highest possible means of collection. Given the right conditions lightning can still attach itself to a piece of equipment under the 'mast'. Careful. Angle of protection depends on the Height of the mast (Hm) and Height of the highest structure (Hs) to be protected. For Hs>2/3 Hm the angle of protection is 30deg and for Hs<2/3 Hm the angle of protection is 45deg. Generally for a 220kV substation the max height of structure to be protected is around 17m. Considering this height to be protected, the angle of protection can be taken as 45Deg. Rough guess for number of LMs should be 8- 10 masts.

B.E., THESIS

TITLE: WATER LEVEL CONTROLLER USING 8051 MICROCONTROLLER

ABSTRACT: To detect and control the water level in an overhead tank or any other container. This system monitors the water level of the tank and automatically switches ON the motor whenever tank is empty. The motor is switched OFF when the overhead tank or container is FULL. Here the water level of the tank is indicated on LCD (Liquid crystal Display). Using this system, we can avoid the overflow of the water. Water level indicator circuit works using AVR Microcontroller in the earlier post. But, here we are designing the circuit which is used to detect and control the water level automatically in overhead tank using 8051 microcontroller.

ACADEMIC ACHIEVEMENTS:

•   College First in Control System and Electrical machine-II paper.
•   University First Rank in P.G.
•   U.G Project has been selected as a Best Mini-Project.

LEADERSHIP QUALITIES

•   Strong communication skills. Able to establish a free and effective communication network with team members.
•   Captain of the college Cricket team and was effective playmaker in the school cricket team.
•   Executive class sports representative in college.

HONOURS /AWARDS / ACHIEVEMENTS

1.   Convener of the IEEEE and ISTE Students Leadership Programme.
2.   Convener Science Day Programme.
3.   Convener Student Project Exhibition.
4.   Received the Best Teacher award for the year 2006-2007 – King College of Technology, Namakkal.
5.   Question Paper Setter - PRIST University, SASTRA University, Tanjore, Anna University - Coimbatore.
6.   Examiner – Anna University, Chennai; Anna University-Coimbatore; SASTRA University; PSG College of Technology, Coimbatore.

ADMINISTRATIVE RESPONSIBILITIES

1. As the Professor In-charge, I was responsible for the Development and Welfare of Staff Members. Newly recruited faculty members were trained.
2. Editor of college publications – a quarterly news Publications, College Magazine, Students Directory, College Calendar, College Brochures, Pamphlets, Handbills and other institutional promotional materials like Video CDs.
3. Coordinator of the Archive Committee, and maintains all the records, events, photos of the Institute.
4. In-charge of Transport of Institution Vehicles and looked after the logistic requirements.
5. As the Professor – in-charge of Public Relations, coordinated with all committees visited the Institution.

Extra-Curricular Activities

• Two days' Workshop of "Training Workshop for Academic Auditors" in Anna University, Coimbatore at Kumaraguru College of Technology, Coimbatore on 27th & 28th January 2009.
• Two days' workshop of "Fiber Optic Communication" in P.S.G. College of Technology and BENCHMARK, Chennai on 7th & 8th ,February 2004.
• Two Week short term course of "Communication Requirements in Engineering Education" in P.S.G. College of Technology and Polytechnic College, Coimbatore on 21st Nov to 4th Dec, 2003.
• IEP ON LINUX in P.S.G. College of Technology, Chennai on 2004 on 26th-28th September 2003.
• RF Measurement Education Symposium Communication Requirements in Engineering Education in P.S.G. College of Technology, Coimbatore in association with Agilent Technologies, Bangalore on 30-31 Jan 2004.
• NSS Special Camp on National Inauguration at Vaalapadi, Salem, 2014 in Ganesh College of Engineering, Salem.
• NSS Participation Certificate in the special camp on "Youth for Sustainable Development" held at Kadachanallur in K.S.R. College of Technology, Tiruchengode on 06.03.98 to 15.03.98(10 days).
• Organized NSS Blood Camp, Indian Red Cross Society, 500 units in Ganesh College of Engineering, Salem, 2014.
• One day workshop of Faculty development Programme in King College of Technology, Namakkal on 01.03.2009.
• Two days' workshop of "Training the Trainer Programme" at Scope International Private Limited, Chennai, organized by ELCOT on 8th and 9th December 2006.
• One day workshop of "Digital Signal Processing Applications in Medicine" in Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad on 27th September 2008.

SUBJECTS HANDLED FOR COMPUTER SCIENCE ENGINEERING STUDNETS

Subject	Percentage
o Digital Signal Processing -	100%
o High Voltage Engineering -	100%
o Digital Principles and System Design -	92%
o Microprocessors and Micro Controllers -	94%
o Digital Signal Processing –	98%
o Principles of Management -	100%
o Engineering Ethics and Human Values –	100%
o Total Quality Management –	98%
o Digital Image Processing -	90%
o Digital Electronics -	95%

Any other Information (Product Development, Awards, Recognition etc.,)

- ☐ **<u>Innovative Technological Scientific Research and Dedicated Best Professor Award</u> from ISRPM, Malaysia.**
- ☐ **Fellow Member of IE.,**
- ☐ **Fellow member of IETE.**
- ☐ **NAAC /NBA Co-ordinator at BITS, Warangal.**

- ☐ Ph.D Research Supervisor – Shri JJT UNIVERSITY,INDIA [JJT/2K9/ENGG/237]

- ☐ Ph.D Research Supervisor – Carrier Point University, INDIA [S.NO:83].
- ☐ Ph.D Research Supervisor – Mewar University, INDIA.

- ☐ Ph.D Research Supervisor – AMET University, INDIA

- ☐ Academic Advisory Committee – Ganesh College of Engineering, Salem.

- ☐ Finance Council Member- Ganesh College of Engineering, Salem.
- ☐ Governing Council Member- Ganesh College of Engineering, Salem.

- ☐ Research Coordinator - Ganesh College of Engineering, Salem.

- ☐ Placement Director - Ganesh College of Engineering, Salem.

- ☐ Student Council Member – King College of Technology, Namakkal.

- ☐ Advisory Board-National Conference on Signal Processing-King College of Technology, Namakkal.

- ☐ Organizer – 13 workshops, symposium, National and International Conferences.

- ☐ University Question Paper setting and Key Preparation.
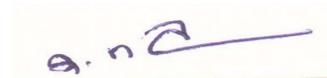
- ☐ Academic Schedule Preparation.

- ☐ Advisory and Editorial Board of International Journal of Emerging Technology and Advanced Engineering

- ☐ Organizer - AICTE proposal grants like MODROB, Entrepreneurship Development Cell, Research Proposal scheme, Staff Development Programme and Seminar Grant.

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

Place: Namakkal

Date: 30.08.20   **Signature of the Candidate**