

Resume

1. PERSONAL DETAILS



Name : **Dr. R.Ramesh**

Date of Birth : 28.06.1976

Present Position : Principal,
Saveetha Engineering College,
Saveetha nagar,
Thandalam, Chennai – 602 105 .

Address : 2/195,Bethel,
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Second Street,
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2. ACADEMIC QUALIFICATIONS

Sl.No.	Degree obtained	Year	University / Institution
1.	Ph.D (Digital Signal Processing)	2009	SRM University, Chennai.
2.	M.E.(Communication Systems)	2000	Mepco Schlenk Engineering College, Sivakasi.
3.	B.E.(ECE)	1999	PSNA College of Engineering and Technology, Dindigul

3. EXPERIENCE (Total Teaching and Administrative Experience: 15.1 Years)

Period		No. of Years/Months	Designation	Institute / Organization
From	To			
21.12.2011	Till date		Professor/ECE	Saveetha Engineering College, Chennai
01.01.2010	20.12.2011	2 Years	Assistant Professor(Selection Grade)/ECE	SRM University, Chennai
01.07.2009	31.12.2009	5 Months	Assistant Professor (Senior Grade)/ECE	SRM University, Chennai
01.05.2006	30.6.2009	3Years 2Months	Senior Lecturer/ECE	SRM University, Chennai
18.12.2000	30.04-2006	5 Years 5 months	Lecturer/ECE	SRM Engineering College

4. PUBLICATIONS

4. a. JOURNAL PAPERS: Total: 40 Nos.

Sl.No	Name of the Journal	Title	Volume	Page	Year	National / International
1.	Information Technology Journal	An Elegant and Simple Method to test the Stability of 2-D Recursive Digital Filters	Vol. 5,	1068- 1072	2006	International (Scopus Indexed) Annexure -II
2.	Asian Journal of Information Technology	Stability Testing of 1-D and 2-D Digital Filters Using the Method of Evaluation of Complex Integrals	Vol. 5,	5-11	2006	International (Scopus Indexed) Annexure -II
3.	IEICE Transaction on fundamentals Electronics, communication and computing	Testing the stability of 2-D Recursive QP, NSHP and General Digital Filters of Second Order	Vol. E-93A, No-8	1408- 1414	2010	International (Scopus Indexed) Annexure -I
4.	Signal & Image Processing : An International Journal	Realization Of FIR Filter Using Modified Distributed Arithmetic Architecture	Vol.3	83-94	2012	International

Sl.No	Name of the Journal	Title	Volume	Page	Year	National / International
5.	International Journal Of VLSI Design & Communication Systems	An approach to design Flash Analog to Digital Converter for High Speed and Low power Applications	Vol., No-3	125-131	2012	International
6.	International Journal of Engineering Research and Development	Row and Column Concatenation methods for Stability Testing of Two Dimensional Recursive Filters	Volume 3, Issue 4, August 2012	23-28	2012	International
7.	International Journal of Industrial Electronics and Electrical Engineering	VLSI Implementation Of Low-Cost Fir Filter Structure Based On Improved Faithfully Rounded Truncated Multiplier	Volume-2, Issue-5,	53-56	2014	International
8.	International Journal of Engineering and Technology (IJET)	Stability Testing of Two Dimensional Recursive Filters Using Mapping Methods	Vol 4 No 4 Aug-Sep 2012	261-267	2012	International (Scopus Indexed) Annexure-II
9.	International Journal Of Innovative Research & Development	FFT/IFFT Mixed Radix Processor For Wireless Applications	Vol 2 Issue 3 March, 2013	525-532	2013	International
10.	International Journal Of Innovative Research & Development	Haze-Free Underwater Image Enhancement	Vol 2 Issue 3 March, 2013	533-542	2013	International
11.	Indian Journal of Science and Technology	FIR Filter Implementation using Modified Distributed Arithmetic Architecture	Vol 6 (5) May 2013	4485-4491	2013	International (Scopus Indexed)
12.	Engineering Science and Technology: An International Journal	Performance Analysis Of Flash Analog To Digital Converter With Track And Hold Circuit Using Cadence P spice	Volume 3 Issue 3. June 2013	485 - 491	2013	International
13.	European Journal of Scientific Research	Low Power Design Technique Of Flash Type Analog To Digital Converter Based Operational Amplifier	Volume 112 Issue 2. Dec 2013		2013	International (Scopus Indexed)
14.	International Journal of Industrial Electronics and Electrical Engineering	VLSI Implementation Of Low-Cost FIR Filter Structure Based On Improved Faithfully Rounded Truncated Multiplier	Volume 2 Issue:5. May 2014	53 - 56	2014	International

Sl.No	Name of the Journal	Title	Volume	Page	Year	National / International
15.	International Journal of Engineering Research & Technology	Parametric Evaluation of Images for Classification in View of Steganalysis	Volume 3 Issue:2. February 2014	2203-2208	2014	International
16.	ARPN Journal of Engineering and Applied Sciences	Steganalysis With Classifier Combinations	Volume 9 Issue:12. December 2014	2858-2863	2014	International (Scopus Indexed) Annexure-II
17.	International Journal of Applied Engineering Research	2D Causal ARMA Model for Texture analysis, Synthesis and Classification	Volume 9 Issue:22. December 2014	16317-16328	2014	International (Scopus Indexed) Annexure-II
18.	International Journal of Scientific and Research Publications	Adaptive FIR Filter Using Distributed Arithmetic for Area Efficient Design	Volume 5 Issue:1. January 2015	1-6	2015	International
19.	International Journal of Applied Engineering Research	Maximum Demand Control Using Ad-Hoc Network To Avoid Grid Failure	Volume 10 Issue:1.	1439-1448	2015	International (Scopus Indexed) Annexure-II
20.	Middle-East Journal of Scientific Research	Review of Memory Efficient 2-D Finite Impulse Response (FIR) Filter Architecture	Volume 23 Issue:5	957-961	2015	International (Scopus Indexed) Annexure-II
21.	International review on Computer and software	Histopathology Image analysis and classification for cancer Detection using 2-D Autoregressive model	Volume 10 Issue:2 February 2015	182-188	2015	International
22.	International Journal of Applied Engineering Research	An Automatic Charging Mechanism and Electrical EnergyStorage for Full Electric Vehicle	Volume 10 Issue:6	5280-5285	2015	International (Scopus Indexed) Annexure-II
23.	ARPN Journal of Engineering and Applied Sciences	A Self Regulating Tool to Characterize an Abnormal Retina From a Normal Retina Using Neural Network	Volume 10 Issue:10	4673-4678	2015	International (Scopus Indexed) Annexure-II

Sl.No	Name of the Journal	Title	Volume	Page	Year	National / International
24.	Int. J. Biomedical Engineering and Technology	Autoregressive modelling: application to mitosis detection in brain cancer histopathology	Vol.20,No. 2	179-193	2016	International (Scopus Indexed) Annexure-II
25.	International Journal of Applied Engineering Research	Simulation of Hybrid Renewable Recharging Mechanism for Full Electric Vehicle	Vol. 10, NO. 20	41490-41501	2015	International (Scopus Indexed) Annexure-II

Sl.No	Name of the Journal	Title	Volume	Page	Year	National / International
26	International Journal of Multimedia and Ubiquitous Engineering	Optimized JPEG Steganalysis	Vol.11, No.1	385-396	2016	International (Scopus Indexed) Annexure-II
27	Indian Journal of Science and Technology	Bio-Inspired Computational Algorithms for Improved Image Steganalysis	Vol 9(10)	1-10	2016	International (Scopus Indexed) Annexure-II
28	Renewable Energy	Parameter extraction of solar cell models based on adaptive differential evolution algorithm	Vol.97	823-837	2016	International (Scopus Indexed) Annexure-I
29	Indian Journal of Science and Technology	Quarter Plane ARMA Model for Analysis and Classification of Histopathology Images: Application to Cancer Detection	Vol 9(22),	1-8	2016	International (Scopus Indexed) Annexure-II
30	International Journal of Multimedia and Ubiquitous Engineering	Performance Evaluation of Cancer Diagnostics Using Autoregressive Features with SVM Classifier: Applications to Brain Cancer Histopathology	Vol.11, No.6	241-254	2016	International (Scopus Indexed) Annexure-II
31	ARPJN Journal of Engineering and Applied Sciences	An optimal parameter extraction and crack identification method for solar photovoltaic modules	Vol.11, No.24	14468-14481	2016	International (Scopus Indexed) Annexure-II
32	International Journal of Control Theory and Applications	Performance analysis of a wind duct and SOC estimation for pure electric vehicle charging	Volume Issue 5	9, 2111-2127	2016	International (Scopus Indexed) Annexure-II
33	Advances in Intelligent Systems and Computing	Effective models for segmentation and shape tracking of cells	Volume 394	973-979	2016	International (Scopus Indexed) Annexure-II
34	International Journal of Advanced Intelligence Paradigms	Critical review of image steganalysis techniques	Volume Issue 3-4	7, 368-381	2015	International (Scopus Indexed) Annexure-II

Sl.No	Name of the Journal	Title	Volume	Page	Year	National / International
35	Renewable and Sustainable Energy Reviews	Future renewable energy option for recharging full electric vehicles	Volume 76,	824-838	2017	International (Scopus Indexed) Annexure-I
36	Journal of Computational Science	Bio inspired optimization for universal spatial image steganalysis	Volume 21,	182-188	2017	International (Scopus Indexed) Annexure-I
37	Current Medical Imaging Reviews	Histopathology image analysis and classification using ARMA models: Application to brain cancer detection	Volume 13, Issue 3, 1	355-361	2017	International (Scopus Indexed) Annexure-I
38	Journal of Computational and Theoretical Nanoscience	Analysis of different size microchannel through particle tracing for biomolecule separation	Volume 14, Issue 7	3351-3355	2017	
39	Biomedical Research (India)	Study on different meander structured microchannel: A biofilter	Volume 28, Issue 8,	3688-3692	2017	
40	Biomedical Research (India)	Silicon based bio-filter for bio-molecule separation	Volume 28, Issue 9,	4181-4186	2017	
41	Multimed Tools Appl. Springer	Nature inspired metaheuristics for improved JPEG steganalysis				International (Scopus Indexed) Annexure-I
42	Journal of Medical Imaging and Health Informatics	Texture Analysis Using Wavelet-Based Multiresolution Autoregressive Model: Application to Brain Cancer Histopathology	Vol. 7	1-8	2017	International (Scopus Indexed) Annexure-I
43	Jour of Adv Research in Dynamical & Control Systems,	TRR-AODV based Performance Enhancement in Mobile Ad Hoc Network	Vol. 9, No. 1,		2017	International
44	Asian Journal of Science Technology	Bacterial Nano-Network Optimization Using Wireless Adhoc Sensors	Vol. 07, Issue 07,	3192-3195	2016	International

Sl.No	Name of the Journal	Title	Volume	Page	Year	National / International
45	Journal Of Advances In Chemistry	Polymer Based Bio-Filter	Vol. 13, No 7	6327-6332	2016	International
46	Journal Of Advances In Chemistry	Porous Based Immunosensor For Detection Of Ldl Molecules From Blood Serum Using Array Of Cantilever Beam	Vol. 13, No 7	6333-6340	2016	International
47	International Journal of Printing, Packaging & Allied Sciences,	Comparison of Different Materials on Performance of Chevron Shaped Electrothermal Microgripper	Vol. 4, No. 4,	2560-2566	2016	International
48	International Journal of Printing, Packaging & Allied Sciences	Design and Simulation of Piezoelectric Based MEMS Force Sensor	Vol. 4, No. 4,	2598-2604	2016	International
49	International Journal of Printing, Packaging & Allied Sciences	Isolation and Detection of Low Density Lipoprotein Using Porous Silicon Based Array of Cantilever	Vol. 4, No. 4,	2488-2496	2016	International

26. b. CONFERENCE PAPERS: Total Papers: 16 Nos.

Sl. No.	Title of papers	Author(s)	Details of Conference	National / International
1.	A simple method to test the stability of 2-D Recursive Digital Filters of second order	R.Ramesh. & P.S.Reddy	8th WSEAS International Conference on Signal Processing, Computational Geometry and Artificial Vision (ISCGAV'08) Rhodes Island, Greece,, 20th – 22nd August 2008	International
2.	Design of 32bit FFT/IFFT Processor by Using Mixed Radix Algorithm with New Butterfly Structure	R.Ramesh. & Sunil Kumar metha,	International Conference on Software and Computer Application (ICSCA 2011), Kathmandu, Nepal, July 2011	International

Sl. No.	Title of papers	Author(s)	Details of Conference	National / International
3.	Asynchronous Implementation Of Split-Radix FFT Algorithm Using FPGA	R.Ramesh & Shobith Thomas Jacob,	International Conference On Advances In Computer Engineering – Ace 2011, Is Trivandrum, Kerala, India.	International
4.	A Fast Hardware Approach for Approximate Efficient Logarithm Computation	R.Ramesh & Anurag Singh	Third National conference on Digital Convergence (TNCDC-2010).	National
5.	Realization of FIR Filter Using Modified Distributed Arithmetic Architecture	R.Ramesh & Nathiya.R	Sixth national Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTTEST – 2011).	National
6	Stability Testing and Quantization Error Estimation for 2-D Recursive Filters by Complex Integrals Method	R.Ramesh & A.Rathnem	Second IEEE International Conference on Communication Systems and Network Technologies (CSNT-2012)	International
7	Stability Testing of Two Dimensional Non Symmetric Half Plane Recursive Filters	R.Ramesh & A.Rathnem	IET SEISCON 2012	International
8	Stability Testing of Two Dimensional NSHP Filters Using Simplified Mapping Methods	R.Ramesh & A.Rathnem	Third International Conference on Sustainable Energy and Intelligent System	International
9	VLSI Implementation Of Low-Cost FIR Filter Structure Based On Improved Faithfully Rounded Truncated Multiplier	R.Ramesh & P.Kavitha	IRF International Conference, Chennai	International
10	A Supervisory Control of a Fuel Free Electric Vehicle for Green Environment	R.Ramesh & C.Chellamy	IEEE International Conference on Emerging Trends in Electrical Engineering and Energy Management (ICETEEEM-2012)	International

Sl. No.	Title of papers	Author(s)	Details of Conference	National / International
11	Diagnosis and Analysis of Heart Rate Using Low Cost Pulse Sensor and Microcontroller	R.Ramesh & S.Priyadharshini	International Conference (ICMACE'14) on Trends in Engineering, 2014.	International
12	Peak Detection Algorithm for Diagnosis and Analysis of Heart Rate Using Pulse Sensor	R.Ramesh & S.Priyadharshini	National Conference (NCVIN-14) on VLSI, Image Processing and Networking, 2014	National
13	2 D Autoregressive Model for Texture Analysis and Synthesis	R.Ramesh & D.Vaishali	IEEE International Conference on Communication and Signal Processing 2014,	International
14	Green Energy Harvesting: Recharging Electric Vehicle for Pollution Free Environment	R.Ramesh & C.Chellasamy	IEEE International Conference on Smart Structures & Systems (ISSS-2014)	International
15	An Intelligent Energy Management and Control System for Electric Vehicle	R.Ramesh & C.Chellasamy	2014 IEEE International Conference on Advanced Communication Control and Computing Technologies	International
16	Patch ordering based SAR image despeckling via SSC and wavelet thresholding	R.Ramesh & Neenu Jose	International Conference on Recent Trends in Information Technology, ICRTIT 2016	International
17				

5. SEMINARS / CONFERENCES

5. a. Conducted: 11 Nos.

S.No.	Title	Responsibility	Date
1.	Works shop on Begal Board	Co-ordinator	Mar'2008
2.	Symposium COMSPEC-11	Co-ordinator	August 27,28 of 2011

S.No.	Title	Responsibility	Date
3.	ISCA 11	Event Co-ordinator	January 3-7 of 2011
4.	Seminar & IETE Inaugural Function	Co-ordinator	February 7-2008
5.	Seminar on 3G-Technology	Co-ordinator	March 4-2009
6.	EMET-2012	Co-Cordinator	March 23-2012
7.	ISSS-2013	Co-Cordinator	March 28-29 of 2013
8.	FDTP on Electromagnetic Fields	Co-ordinator	December 04-11 of 2013
9.	Workshop on Quality Assurance	Co-Cordinator	December 21- 2013
10.	Workshop on signals and System associated with IIT Karagpur	Co-ordinator	January 02-12 of 2014
11.	FDTP on Transmission lines and Wave Guides	Co-ordinator	19 th June to 26 th June 2014

5. b. Attended: 9 Nos.

Sl.No.	Title	FORUM	Date
1.	Short term Training Programme on “VLSI DESIGN”	Sri SaiRam Engineering college Tambaram	March 3-5, 2002
2.	Short term Training Programme on “Net working & Video Conferencing”	Noorul ISLAM College Of Engineering	May 15-21, 2003
3.	Multi Carrier Modulation Techniques	SRM University	Oct 18, 2010
4.	MIMO –OFDM Wireless Systems	SRM University	August 28, 2010
5.	MIMO –OFDM Wireless Systems”	SRM University	Jan 27, 2011
6.	Identification of Trust Areas for FTP	NITTR, Chennai	May 1, 2012
7.	One week Coordinator workshop on signals and System	IIT karagpur	30 th Sep to Oct 4 th of 2013
8.	One Day workshop on Quality assurance	Anna University	10 th Dec 2013

Sl.No.	Title	FORUM	Date
9.	Academic Leadership workshop for Head of the Department	Wipro Technologies, Bangalore	2 nd to 5 th February of 2014
10.	National workshop on NIRF	Chennai	Dec 21,2015

6. EXTERNAL EXCELLENCE

6.a Funds Received

Sl.No.	Tittle	From	Amount	Date
1	Workshop on signals and System	IIT kharagpur	1,74,956	2 - 12 January 2014
2	FDP On Electromagnetic field Theory	Anna University	90,000	December 2013
3	FDP on Transmission lines and Wave Guides	Anna University	60,000	June 2014

6. b. Membership in Professional Societies:

1. IETE---Life Member (M222214)
2. ISTE---Life Member (33234)
3. ISC-----Annual Member

6. c. Others:

Acted as Anna University Representative in Anna University Chennai

Acted as Anna University Chief examiner in Anna University Chennai

Anna University DC member for Research scholar

7. AREAS OF EXCELLENCE

- College over all In charge for NBA Accreditation process.
- College Overall In charge for NAAC Accreditation process.
- College Discipline Coordinator
- Recognized Supervisor in Anna University, (Ref.No.23.04.04), Chennai and SRM University with 6 Ph.D Research Scholars .

- Acclaimed as a good teacher, counselor and motivator
- Well experienced in equipment purchase and setting up of Laboratories.

I hereby declare that the information furnished above is true to the best of my knowledge.

Dr. R.Ramesh