



Dr.M.N.Vimal Kumar, B.E.,M.E.,Ph.D.,
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Objective

To secure a challenging and long term carrier in Academic where I can put my skills and be known for depth of knowledge, quality, hard work, timeliness of service, honoring the commitments to the best of my knowledge.

Academic Background

College/University	Degree	Specialization	Year	Marks
Government College of Engineering, Salem /Anna University	B.E	ECE	2007	78%
Kongu Engineering College, Perundurai /Anna University	M.E	Applied Electronics	2009	96.4%
Anna University, Chennai	Ph.D	ICE	2018	-

Academic and Industrial Experience

Academic Experience (Engineering Colleges only)					
Name of the College	Designation	Joining Date	Relieving Date	Experience	
				Years	Months
Sona College of Technology	Associate Professor	16.08.2021	Till date	-	4
R.M.D. Engineering College	Asst. Professor	02.12.2013	31.07.2021	7	8
K.S.R. College of Engineering	Asst. Professor	04.06.2012	30.11.2013	1	6
R.M.K. College of Engineering and Technology	Asst. Professor	01.07.2010	31.03.2012	1	9
R.M.K. College of Engineering and Technology	Lecturer	24.06.2009	30.06.2010	1	-
Total				12	4

Academic Experience (Polytechnic Colleges)			
Name of the College	Designation	Experience	
		Years	Months
The Kavery Polytechnic college	Lecture	2	-
Total		2	-
Industry Experience			
Name of the Industry	Designation	Experience	
		Years	Months
SHARON ELECTRONICS (Onida Service center),Salem	Service Technician	5	11
Total		5	11

Area Specialization

- Medical Image Processing
- Applied Electronics.
- Digital Signal Processing

Subject Taught / Teaching

- Signals and Systems
- Digital Signal Processing
- Control System Engineering
- Digital Electronics
- Digital Image Processing
- Communication Theory
- Microprocessor and Microcontroller
- Communication Engineering
- Digital Principles and System Design

Academic Honors

1. Dr.M.N.Vimal Kumar received the award for “**Best Scientist in Engineering and Production Awards**” from International Journal of MC Square Scientific Research, Chennai from 21 – 23 January 2021.
2. Received Certificate of **Mentor** for Participating in the RMK Toy Hackathon 2020 Conducted in Collaboration with Virtusa Software services Pvt Ltd on 3rd October 2020.
3. Received certificate of Guidance for participating in the FAER – McAfee Scholar Award Program on 30th July 2020.
4. Received Certificate of **NPTEL** for Participating in the SPOCATHON event held as part of Content Augmentation effort on 17th May 2020.
5. Dr.M.N.Vimal Kumar received the award for “**IIC Innovation Ambassador Training Series**” from Institutions Innovation Council of MHRD’s Innovation Cell held at RMK Engineering College, Chennai on 8-9 January 2020
6. Dr.M.N.Vimal Kumar has been recognized “**NPTEL Discipline Star**” on December 2019
7. Dr.M.N.Vimal Kumar received the award for “**Appreciate of IoT Internship**”, from Experts Hub Industry Skill Development Center, at Sri Ramachandra Institute of Higher Education and technology from 5-12-2019 to 12-12-2019.
8. Dr.M.N.Vimal Kumar received the award for “**International Best Researcher in Medical Image Processing**” from Rula Award, Research Peace Award of 2019, at Grandeur Hall, Hotel Breeze Residency, Trichy, Tamilnadu, India on 15th August of 2019.
9. Dr.M.N.Vimal Kumar received the award for “**Outstanding Faculty in Engineering**” from Venus International Foundation, Centre for Advanced Research and Design, at Radha Regent, Chennai on 06.07.2019.
10. Received Certificate of **Mentor** for NPTEL Online Course “Principles of Signals and Systems”, Jan-April 2019
11. Received **First Rank with Gold Medal** in M.E from Anna University of Technology, Coimbatore.
12. Appreciation from Kongu Engineering College for **First Rank with Gold Medal** in M.E.
13. Received Certificate of appreciation for producing **100% results in Control Systems**.
14. Received Certificate of appreciation for producing **100% results in Principles of Digital Signal Processing**.

Sponsored Research Projects

S.No	Name of the Project	Name of PI /Co-PI	Funding Agency	Amount in Rs	Duration	Research Progress
1	Lifeline tool for the Early Detection of Breast Cancer	Dr.M.N.Vimal Kumar (PI)	DST-BDTD	23,97,624	2020 - 2021	Applied
2	Drone Disinfectant to Fight COVID-19	Dr.M.N.Vimal Kumar (Co-PI)	TNSCST	3,97,500	2020-2021	Under Review
3	Smart Companion Robot for Elders	Dr.M.N.Vimal Kumar (Co-PI)	DST-TIDE	21,71,800	2019-2020	Under Review

Industrial / Field Consultancy Projects

S.No	Title of Consultancy work	Client	Amount in Rs	Duration	Status
1	Three days Workshop on Impact of IOT in Industry	Students, SCT	42,000	21.12.2021 to 23.12.2021	Completed
2	Automatic Hand Sanitizer Dispensing Machine with Body Temperature Monitoring and Mask Detection System	JISSHA Management Solutions	75,000	2020 - 2021	Completed
3	Multipurpose All-terrain Robot	Foundation for Advancement of Education and Research, Bangalore	5,000	2019-2020	Completed

Workshops, Internship, Webinar, FDPs, Conferences and Seminar organized

S.No	Title of the Workshop/ Seminar/Conference	Institute / Industry	Date	Attended / Organized	Total No. of Days
1	Workshop on Impact of IOT in Industry	Sona College of Technology	21.12.2021 to 23.12.2021	Organized	3
2	Guest Lecture on Industry Expertization	Sona College of Technology	29.08.2021	Organized	1
3	Guest Lecture on Automotive Mechatronics	Sona College of Technology	28.08.2021	Organized	1
4	AE CoE Two days of training on MATLAB and SIMULINK	R.M.D. Engineering College	11.06.2021 to 12.06.2021	Organized	2
5	AE CoE Four days of training on Vehicle Diagnostics Basics (OBD) and Measurement and Testing of Sensors and Actuators by JCC of RMK Group & Bosch	R.M.D. Engineering College	02.06.2021 to 05.06.2021	Organized	4
6	AE CoE Three days of training on Impact of Electronics in Automotive Industry, Overview of In- Vehicle Networking and C Programming Assessment through Hacker Earth	R.M.D. Engineering College	21.05.2021 to 24.05.2021	Organized	3
7	AE CoE Special Quiz Competition on Basics of Automotives	R.M.D. Engineering College	18.05.2021	Organized	1
8	AE CoE Guest Lecture on Automotive Braking System	R.M.D. Engineering College	17.05.2021	Organized	1
9	AE CoE Guest Lecture on World of Automotive Technologies	R.M.D. Engineering College	15.5.2021	Organized	1
10	RPA CoE Webinar on Overview on RPA and RPA Tools	R.M.D. Engineering College	15.6.2020	Organized	1
11	RPA CoE Webinar on RPA Overview	R.M.D. Engineering College	23.5.2020	Organized	1
12	RPA CoE Webinar on Robotics and its Applications	R.M.D. Engineering College	27.4.2020	Organized	1
13	Internship on Internet of Things	R.M.D. Engineering College	17.4.2020 to 21.4.2020	Organized	5

14	Internship on Internet of Things	R.M.D. Engineering College	8.4.2020 to 12.4.2020	Organized	5
15	Workshop on Logic Design and Computer Organization Virtual Lab	R.M.D. Engineering College	30.1.2019	Organized	1
16	Workshop on IOT for Smart Cities	R.M.D. Engineering College	27.2.2018	Organized	1
17	SMARTCOM'16	R.M.D. Engineering College	25.4.2016	Organized	1
18	Workshop on Developing Trends in Electronics	R.M.D. Engineering College	20.7.2015	Organized	1
19	Workshop on Cadence tool for VLSI Design and MATLAB	R.M.D. Engineering College	04.3.2015	Organized	1
20	Workshop on Wireless Communication and 4G	R.M.D. Engineering College	21.12.2014	Organized	1
21	Workshop on MATLAB Hands on training program	R.M.D. Engineering College	12.7.2014	Organized	1
22	Workshop on E - Surveillance	R.M.D. Engineering College	29.1.2014	Organized	1

Online Courses

S.No	Name of the Course	Online Platform	Month and Year of Completion	Grade
1	Introduction to Project Management	Coursera	June 2020	100%
2	Object-Oriented Programming with Java	Coursera	June 2020	100%
3	Cloud Computing Basics (Cloud 101)	Coursera	May 2020	98%
4	Principles of Communication Systems-I	NPTEL	April 2020	100%
5	Introduction to Internet of Things	NPTEL	October 2019	66%
6	Digital Image Processing	NPTEL	October 2019	78% Elite + Silver
7	Antennas	NPTEL	April 2019	61%
8	Principles of Signals and Systems	NPTEL	April 2019	84% Elite + Silver + Topper 5%
9	Digital Circuits	NPTEL	October 2018	70%
10	Control Engineering	NPTEL	October 2017	54%
11	Discrete Time Signal Processing	NPTEL	October 2016	66% Elite

Short Term Training, FDP and Workshops Attended

S.No	Title	Venue	Period	Status : National / International
1	FDP on Machine Learning in Biomedical Engineering	R.M.K. Engineering College, Kavaraipet	01.12.2021 to 07.12.2021	National
2	TNSG Sponsored Five days Online FDP on "Artificial Intelligence and Deep Learning"	GCT, Coimbatore	13.09.2021 to 17.09.2021	National
3	Workshop on Artificial Intelligence	Pantech eLearning, Chennai	30.4.2021 to 1.5.2021	National
4	STTP on Medical Healthcare for Betterment of Humanity Via Non Invasive Technique	Panimalar Institute of Technology. Chennai	19.4.2021 to 24.4.2021	National
5	Workshop on Electric Vehicle Design using MATLAB	Pantech Solutions, Chennai	29.3.2021 to 2.4.2021	National
6	Workshop on National IP Literacy Week	KAPILA, AICTE, MHRD	15.10.2020 to 23.10.2020	National
7	Webinar on AI Master Class	APSSDC, Pantech Prolabs India Pvt.Ltd	5.10.2020 to 14.10.2020	National
8	Seminar on Eminent Engineers of India	R R Institute of Technology, Bengaluru	29.9.2020	National
9	Webinar on IPR and Patent Filing Procedure	R R Institute of Technology, Bengaluru	30.9.2020	National
10	FDP on Machine learning and Deep learning	SRM, Kattankulathur	27.5.2020 to 31.5.2020	National
11	FDP on Teaching and Learning for Accreditation in Technical Education	NITTTR-Chandigarh	27.4.2020 to 1.5.2020	National
12	FDP on 8051 and its Applications	NITTTR-Chandigarh	18.5.2020 to 22.5.2020	National
13	FDP on Image and Embedded Systems	NITTTR-Chandigarh	11.5.2020 to 15.5.2020	National
14	FDP on Robotic Process Automation	USHA RAMA College of Engineering and Technology	25.5.2020 to 29.5.2020	National

15	FDP on Improving Your Research Visibility - Research Impact and Metrics	VCET	11.5.2020 to 13.5.2020	National
16	webinar on Enhance your Professional Skills with Cambridge Teaching qualification	Cambridge Assessment English	24.4.2020	National
17	webinar on Machine Learning using Python	IETE (Mumbai) in Association with Pantech	2.5.2020	National
18	online webinar on POST COVID-19: OPPORTUNITIES FOR ENGINEERS	AMSCE	2.5.2020	National
19	online Webinar on Research Workflows, Research Metrics & Excellence in Academic Institutes	AICTE - Elsevier	6.5.2020	National
20	Webinar on Data Visualization Using Tableau	BrainSwig Edutech Pvt Ltd	27.4.2020	National
21	Webinar on Research Publications, Process, Credentials and Outcomes	BITS - Visakhapatnam	9.5.2020	National
22	Webinar on Learning with Cambridge Curriculum Mapping and its benefits	Cambridge Assessment English	5.5.2020	National
23	Webinar on Advanced Manufacturing Practices-Robot Automation & Industry 4.0	Sri Sairam Institute of Technology	20.5.2020	National
24	Webinar on Patent Filing and Prosecution	KPRIET	23.5.2020	National
25	Webinar on Industry 5.0	JCE	14.5.2020	National
26	Webinar on Modeling and Design of Low Cost Group IV based Photo Detector	Vaagdevi Engineering College	16.05.2020	National
27	Webinar on Image Processing - Open CV	IETE (Mumbai) in Association with Pantech	8.5.2020	National
28	FDP on Introduction to Internet of Things	IIT, Kharagpur	October 2019	National
29	FDP on Digital Image Processing	IIT, Kharagpur	October 2019	National
30	FDP on “Antennas”	IIT, Kharagpur	April 2019	National
31	FDP on “Internet of Things”	Infosys Ltd, R.M.K Engineering College	09.06.2017	National
32	FDP on “SMAC”	Cognizant, R.M.K Engineering College	08.06.2017	National
33	FDTP on “EC6503-Transmission Lines and Waveguides”	R.M.K College of Engineering and Technology	13.06.16 to 19.06.16	National

34	FDP on “Recent Trends in Telecom”	Wipro Technologies Ltd , R.M.K Engineering College	21.06.16	National
35	FDTP on “wireless Networks”	R.M.D Engineering College	3.12.16 to 16.12.16	National
36	FDP on “Presentation skills “	Cognizant , R .M.K Engineering College	16.06.15 & 17.06.2015	National
37	SDP on “Recent Advances in Pattern Recognition – Artificial Intelligence Models and Analysis in Biometrics”	K.S.R. college of Technology	25.03.2013 to 06.04.2013	National
38	FDTP on “EC2302 – Digital Signal Processing”	K.S.R. College of Engineering	18.06.13 to 24.06.13	National
39	Workshop on Internal Auditor Training on Quality Management System as per High Level Structure (HLS) ISO 9001:2015 & ISO 19011:2011	R.M.D. Engineering College	21.12.17 & 22.12.17	National
40	Workshop on NBA Pre-Visit Workshop	R.M.K Engineering College	25.07.16	National
41	Workshop on Hands-on DSP	IIT Hyderabad	20.05.15 & 21.05.15	National
42	Seminar on Advancements in Biomedical Signal and Image Processing	MIT Campus	29.10.15 & 30.10.15	National
43	Workshop on Control Systems	IIT Kharagpur	02.12.14 to 12.12.14	National
44	Workshop on Research Methodology	Anna University	11.12.14	National
45	Seminar on Computational Intelligence in Medicine and Health Care (CIMHC-2012)	BIT	10.08.12 & 11.08.12	National
46	Workshop on Architectures for Digital Signal Processing	R.M.K Engineering College	13.11.10	National
47	Seminar on Research Issues in Digital Image Processing	MepcoSchlenk Engineering college	21.03.09	National

Citations and Publications

No of SCI (Science Citation Indexed) Journal Published	4
No of WOS Journal Published	5
No of SCOPUS Indexed Journal Published	16
Other Impact factor Journals	4
Google Scholar citation	62
H-Index	5
i10—Index	4
Research Gate Citations	Reads : 5987 Citations: 23 H-Index : 2
Research Gate Citations	10.27
Publons Citations	Publications : 25 Total Times Cited 20 H-Index : 3

Patent

S.No	Name of Inventor	Title of Invention	Date of Filing	Date of Publish	Application No.
1	Dr.M.N.Vimal Kumar	Classification and Diagnosis of Breast Cancer Using Mammographic Images	19/09/2018	5/10/2018	201841035246
2	Dr.M.N.Vimal Kumar	Smart Clothes for Security Forces in Borders to Track their Health Records Instantly	07/04/2021	16/04/2021	202141016358
3	Dr.M.N.Vimal Kumar	Smart Saline Monitoring System	06/11/2021	03/12/2021	202141050900
4	Dr.M.N.Vimal Kumar	Smart Versatile Health Monitoring System	16/12/2021	24/12/2021	202141058585

Book Publications

1. Dr.K.Helen Prabha, Professor & Head and **Dr.M.N.Vimal Kumar**, Assistant Professor authored a book titled “Principles of Digital Signal Processing”, Anuradha Publications second edition 2017, ISBN 978-81-8472-285-7.

2. Dr.K.Helen Prabha, Professor & Head and **Dr.M.N.Vimal Kumar**, Assistant Professor authored a book titled “Control Systems Engineering”, Anuradha Publications second edition 2017, ISBN 978-81-847721-04-8.
3. Dr.M.N.Vimal Kumar, “Chapter 4 - Medical Data Compression For Lossless Data Transmission and Archival”, Internet of Medical Things: Remote Health Care Systems and Applications, Springer, pp 55 – 74, 2021 (**Scopus Indexed**), https://doi.org/10.1007/978-3-030-63937-2_4
4. Dr.M.N.Vimal Kumar, "Chapter 16 - Smart Agricultural Robot", Green Engineering and Technology – Innovations, Design and Architectural Implementation, CRC Press – Taylor & Francis Group, pp 273 – 292, 2021 (**Scopus Indexed**), <https://doi.org/10.1201/9781003176275>

Research Publications in International and National Journals

2021

1. Dr.Vimal Kumar M N, “Smart Air Quality Monitoring System in Realtime using IoT”, Turkish journal of Computer and Mathematics Education, Vol. 12 Issue. 10, pp, 1965 - 1969 April 2021, DOI: 10.17762/turcomat.v12i10.4695(**Scopus**)
2. Dr.Vimal Kumar M N, “Optimized Warehouse Management Perishable Goods”, Alinteri Journal of Agriculture Sciences, Vol. 36 Issue. 1, pp, 199 - 203 May 2021, DOI: 10.47059/alinteri/V36i1/AJAS21029 (**WOS**)
3. Dr.Vimal Kumar M N, “Early-Stage Detection of Cancer in Breast using Artificial Intelligence ”, Revista – Geintec Gestao Inovacao e Tecnologias , Vol. 11 No. 2, pp. 2016-2028, June 2021, DOI: 10.47059/revistageintec.v11i2.1821 (**WOS**)
4. Dr.Vimal Kumar M N, “An Identification and Classification of Thyroid Diseases Using Deep Learning Methodology”, Revista – Geintec Gestao Inovacao e Tecnologias , Vol. 11 No. 2, pp. 2004-2015, June 2021, DOI: 10.47059/revistageintec.v11i2.1820 (**WOS**)
5. Dr.Vimal Kumar M N, “Smart Wearable Shoe for Tracking and Monitoring Army Soldiers”, Annals of R.S.C.B, Vol. 25 No. 4, pp. 17774-17782, June 2021 (**Scopus**)

2020

1. Dr.Vimal Kumar M N, “Single Image Haze Removal using Contextual Regularization”, International Journal of Innovative Technology and Exploring Engineering, Vol. 9 Issue. 4, pp, Feb 2020, DOI: 10.35940/ijitee.D1926.029420, (**Scopus**)
2. Dr.Vimal Kumar M N, “Partial Product addition in Vedic design-ripple carry adder

design fir filter architecture for electrocardiogram (ECG) signal de-noising application”, Microprocessors and Microsystems, Vol.76, pp, 2020, DOI: <https://doi.org/10.1016/j.micpro.2020.103113>, **(SCI, WOS, Scopus)**

3. Dr.Vimal Kumar M N, “Modified Cuckoo Search-Cascade Forest (MCS-CF) for Attention Deficit Hyperactivity Disorder (ADHD) Diagnosis”, NeuroQuantology, Vol. 18 Issue. 7 ,pp 83-94, July 2020, DOI: 10.14704/nq.2020.18.7.NQ20196 **(Scopus)**
4. Dr.Vimal Kumar M N, “Smart Helmet with Onboard Camera”, International journal of Control and Automation, Vol.13, No.4, pp, 2020. **(Scopus)**
5. Dr.Vimal Kumar M N, “IoT Enabled Real Time Traffic Management System”, International Journal of Advanced Science and Technology, Vol.29, No.5, pp, 2020.**(Scopus)**
6. Dr.Vimal Kumar M N, “Waste Monitoring and Management System using IOT”, Journal of Critical Reviews, Vol.7,No.15, pp, 2020, DOI: 10.31838/jcr.07.15.204.**(Scopus)**
7. Dr.Vimal Kumar M N, “Voice Controlled Autonomous Vehicle using IoT”, Journal of Critical Reviews, Vol.7, No.18, pp, 2020, DOI: 10.31838/jcr.07.18.185. **(Scopus)**
8. Dr.Vimal Kumar M N,” Smart Bus Tracking System”. Journal of Critical Reviews, Vol.7,No.10, pp, 2020, DOI: 10.31838/jcr.07.10.305. **(Scopus)**
9. Dr.Vimal Kumar M N, “A Composite Cordic in High Definiton video Compression using Modified Discrete Cosine Transform”, Journal of Critical Reviews, Vol.7,No.10, pp, 2020, DOI: 10.31838/jcr.07.10.304. **(Scopus)**
10. Dr.Vimal Kumar M N, “Statistical analysis on Novel Corona virus: COVID-19”, European journal of Molecular & Clinical medicine, Vol.7, No.1, pp, 2020, DOI: 10.5334/ejmcm.286. **(Scopus)**
11. Dr.Vimal Kumar M N, “A Novel Design of Ultra-Low Power 32/33 Prescaler based on modified 2/3 TSPC Prescaler for PLL Applications”, Journal of Critical Reviews, Vol.7,No.2, pp, 2020, DOI: 10.31838/jcr.07.02.151. **(Scopus)**
12. Dr.Vimal Kumar M N, “A Novel Deep Learning Classifier and Genetic Algorithm based Feature Selection for Hybrid EEG-fNIRS Brain-Computer Interface”, NeuroQuantology, Vol. 18, Issue 9, pp 125-134, September 2020, doi: 10.14704/nq.2020.18.9.NQ20224 **(Scopus)**
13. Dr.Vimal Kumar M N,” Detection of Microcalcifications in Digital Mammogram Using Curvelet Fractal Texture Features” European journal of Molecular & Clinical medicine, Vol.7, No.2, pp 251-256, 2020, DOI: 10.31838/ejmcm.07.02.40. **(Scopus)**
14. Dr.Vimal Kumar M N, “Feasibility Study and Implementation of Sea Researcher’s

Bio-Parameters Monitoring by Water Channel Model”, IJIRT , Volume 7, Issue 1, pp. 200-206,2020. **(GS)**

2019

1. Dr.Vimal Kumar M N, “A Modern Methodology Preventing Vehicle Accident and Attacker Identification System using Black Box in Cars”, International Journal of Innovative Research in Science, Engineering and Technology Vol. 8, Special Issue 2, pp. 117-123, March 2019. **(GS)**

2018

1. Dr.Vimal Kumar M N, “Performance analysis of pre-cancerous mammographic image enhancement feature using non-subsampled shearlet transform”, Multimedia Tools & Applications, 2018, doi.org/10.1007/s11042-018-5951-3. **(SCI)**
2. Dr.Vimal Kumar M N, “Region-specific multi-attribute white mass estimation-based mammogram classification”, Personal and Ubiquitous Computing, Vol. 22, pp. 1093-1098, 2018, doi.org/10.1007/s00779-018-1135-4. **(SCI)**
3. Dr.Vimal Kumar M N, “Adaptive clustering based breast cancer detection with ANFIS classifier using mammographic images”, Cluster Computing, Vol.22, pp. 13975-13984, 2019, doi.org/10.1007/s10586-018-2160-9. **(SCI)**
4. Vimal Kumar M N, “Adaptive Neuro-Fuzzy Inference System for classification of Mammographic image using Electro-Magnetism-like Optimization”, International Journal of Biomedical Engineering and Technology, Vol. 26/(3/4), pp. 376-388, DOI: 10.1504/IJBET.2018.090011. **(WOS, Scopus)**

2017

1. Vimal Kumar M N, “Classification of Mammographic Image Abnormalities Based on EMO and LS-SVM Techniques” Research Journal of Biotechnology, Vol. 15/1, pp. 35-40, 2017. **(WOS, Scopus)**.

2016

1. Vimal Kumar M N, “Analysis and Diagnostic of Women Breast Cancer using Mammographic Image”, Asian Journal of Information Technology, Vol. 15/12, pp. 2048-2056, 2016 .DOI: [10.36478/ajit.2016.2048.2056](https://doi.org/10.36478/ajit.2016.2048.2056) **(Scopus)**
2. Vimal Kumar M N, “Mammographic Image Enhancement and Denoising of pre-

cancerous features using Non Subsampled Shearlet Transform”, International Journal of Printing, Packaging and Allied Sciences, Vol. 4/4, pp. 2590-2597, 2016. (GS)

2013

1. Vimal Kumar M N, “Performance Analysis of Early Stage Detection of Cancer Using ANN”, International Journal of Communication and Computer Technologies, Vol. 1/40, pp. 129-133, 2013. (GS)

2011

1. Vimal Kumar M N, “Early Stage Detection of Cancer in Mammogram Using Statistical Feature Extraction”, International conference on Recent Advancements in Electrical, Electronics and Control Engineering, IEEE Xplore, DOI: [10.1109/ICONRAEeCE.2011.6129746](https://doi.org/10.1109/ICONRAEeCE.2011.6129746), 2011. (Scopus)

Research Publications in International and National Conference

S.No	Title of the Paper	Name of the Conference	Venue	Year
1.	Real Time Interaction Approach for Aiding Typhlosis	International Virtual Conference on Advances in Communication, Machine Learning, Embedded with Internet of Things	Kongu Engineering College, Perundurai	2021
2.	Wireless Temperature read out system in an Industry to prevent outbreak of Covid Cases	International Conference on Emerging Trends in Science, Engineering & Management	MC Square Scientific Research	2021
3.	Voice Controlled Autonomous Vehicle using IoT	International Conference on Innovations in Communication Computing and Science	Chandigarh Engineering, Punjab	2020
4.	Waste Monitoring and Management using IoT	International Conference on Innovations in Communication Computing and Science	Chandigarh Engineering, Punjab	2020
5.	Smart Companion Robot for Elders Health Care with Emergency Rescue System	AICTE Sponsored First International Conference on Challenges and Opportunities for Development of Smart Cities	PSR Engineering College, Sivakasi	2020

6.	A Modern Methodology Preventing Vehicle Accident and Attacker Identification System using Blackbox in Cars	National Conference on Computing Communication & Information Technology	T.J.S Engineering College	2019
7.	Building Automation system based on Zigbee and WSN	National Conference on Emerging Technologies	Sri Vidya College of Engineering & Technology	2013
8.	Early Stage Detection of Cancer in Mammogram Using Statistical Feature Extraction	International conference on Recent Advancements in Electrical, Electronics and Control Engineering	MepcoSchlenk Engineering College	2011
9.	Dynamic Time Warping in Voice Verification System	International Conference on Operations Research Application in Engineering and Management (ICOREM)	Anna University of Technology, Tiruchirappali	2009
10.	An Efficient Voice Verification System using Neural Network	National Conference on Emerging Trends in Computer Science and Engineering	K.S.R College of Technology	2009
11.	An Efficient Voice Verification System using RASTA and Back Propagation Network	National Conference on Recent Advances in Computer Vision & Information Technology	Government College of Technology	2009
12.	Voice Verification System using RASTA and Wavelets	National Conference on Convergence of IT Research	MepcoSchlenk Engineering College	2009
13.	Wavelets based Voice Verification System	National Conference on Emerging Technologies in Soft computing	R.M.D Engineering College	2009

Invited Talk

1. Guest Lecture on Digital Signal Processing, at Thiagarajar Polytechnic College, Salem on 21th Feb 2011.
2. Guest Lecture on Digital Image Processing at RMD Engineering College, Kavaraipettai, Chennai on 6th Feb 2013.
3. Resource Person for Faculty Development Program on Signals and systems at Vellalar college of Engineering and technology sponsored by Anna University, Chennai on 2nd June 2016.

4. Resource Person for IETE Sponsored one day Workshop on Logic Design and Computer Organization Virtual Lab at RMD Engineering College, Kavaraipettai, Chennai on 30th Jan 2019.
5. Resource Person for One day Seminar on Evolution of 5G to the Transmission Section Executives – BSNL, Dharmapuri on 18th Jan 2020.
6. Resource Person for Internship on Internet of Things at RMD Engineering College, Kavaraipettai, Chennai on 12th April 2020.
7. Resource Person to act as the judge for National level Technical Symposium – THIAGFEST 2K21 for the theme “Role of Robotics in Agriculture” at Thiagarajar Polytechnic College, Salem on 5th March 2021.
8. Resource Person for one day Workshop on Noise Characterization in Communication at Annapoorana Engineering College, Salem on 11th May 2021.
9. Resource Person for Guest Lecture on Digital Signal Processing at Er.Perumal Manimekalai College of Engineering, Hosur on 24th May 2021.
10. Resource Person for online webinar on How to Build a Start-up Ecosystem at Adhiyaman Arts and Science College for Women, Uthangarai, 27th June 2021.
11. Resource Person for online webinar on Webinar on Fundamentals of Signals and Systems at Er.Perumal Manimekalai College of Engineering, Hosur, 4th Sep 2021.
12. Resource Person for online Webinar on Prospects for Student Entrepreneurs at Annapoorana Engineering College, Salem, 8th Sep 2021.
13. Resource Person for online Webinar on Webinar on Digital Signal Processing Concepts at Er.Perumal Manimekalai College of Engineering, Hosur, 20th Sep 2021.

Academic Responsibilities Held

- NBA criteria 5 Incharge
- NAAC criteria 3 Incharge
- ISO Coordinator
- Research Coordinator
- IIC Members
- Automotive Electronics CoE Coordinator

- Lab in charge
- Time Table Coordinator
- Course Coordinator
- Association Coordinator
- IETE Student Chapter Coordinator
- Counsellor
- Symposium Coordinator

Professional Membership

- Life member in Indian Society for Technical Education (LISTE)
- Life member in International Association of Engineers (IAENG)
- Life member in Internet Society
- Life member in The Society of Digital Information and Wireless Communications (SDIWC)

Membership of Committees / Boards

- Member of the Scrutinizing Board of ECE Vel Tech University
- DC member of Saveetha University
- Reviewer of Inderscience
- Editor of International Journal of Medical Imaging.
- Session Chair – ICRTECC20, Saveetha School of Engineering on 15th June 2020.
- Session chair - 7th National conference AGNICON 2020, Agni College of Technology on 25th September 2020.
- External member for Fourth Quarter my couincil Meeting Annapoorana Engineering College, Salem, 9th Nov 2021.

Personal Details

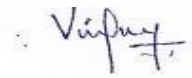
Date of Birth : 19.04.1980
Father's Name : M.R.Nagaraju
Father's Occupation : Weaver
Languages Known : Tamil, English, and Telugu
Contact Address : M.N.Vimal Kumar,
106, Railway Line North Street,
Ponnammapet,
Salem – 636001

Declaration

I hereby declare that the above written particulars are genuine to the best of my knowledge.

Date : 06.12.2022

Place : Salem



(VIMAL KUMAR M N)