


A1	Personal Details	
Mrs.M.VASANTHI		
Assistant Professor		
Department of Electronics and Communication Engineering		
Knowledge Institute of Technology, Salem - 637 504. India.		
Ph: 7502811757		
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A2	Areas of Interest	Digital Image Processing, Digital Signal Processing
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A3	Subjects Taught		
	UG		PG
Digital Electronics	Antenna and Microwave Engineering	Low power VLSI Design	
VLSI Design	Digital Image Processing		
Transmission Lines and RF Systems	Digital Principles and System Design		
Communication Theory	Discrete Time Signal Processing		
Digital Communication			

A4	Academic Background			
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
M.E.	VLSI Design	Sengunthar Engineering College, Tiruchengode	Anna University	May 2012
B.E.	Electronics & Communication Engineering	Sengunthar Engineering College, Tiruchengode	Anna University	May 2009

A5		Work Experience as on August 2021					
Name of the Institution		Position		From		To	
Knowledge Institute of Technology, Salem		Professor		July 2022		Present	
Gnanamani College of Technology		Assistant Professor		September 2018		June 2022	
Sengunthar Engineering College		Assistant Professor		July 2012		July 2014	
SRG Polytechnic College		Lecturer		August 2009		May 2010	
Total Experience	7 Years 2 months	Teaching	7 Years 2 Months	Research	-	Administration	-

A6		Research Publications				
Total Number of Publications		International Journal	National Journal	International Conference	National Conference	Total
		3	-	06	2	11
Publications (Journals)						
S.No	Authors	Tile of the Article		Name of the Journal	Year, Vol., No.pages	
1.	M.Vasanthi , M.Suganya , S.Anitha , S.Ashma , K.Janani , M.Kaviyasree	E-Smart Army Jacket Based On Climate Condition Using Arm Microcontroller		International Journal of Innovative Research in Science,Engineering and Technology	Volume 9, Issue 5, May 2020,2690-2699	
2.	M.Suganya , M.Vasanthi , K.Velmurugan , K.Umasankar , V.Souravsibi , E.Sathish Kumar	Android Based Women Safety using GPS and GSM		International Journal of Innovative Research in Science,Engineering and Technology	Volume 9, Issue 5, May 2020,841-845	
3.	J.Loganayaki, MVasanthi	Image Multiplier Based On Low Power Approximate Unsigned Mutliplier		International Journal of Advance Research and Innovation	Volume 7 Issue 2 (2019) 102-105	
International Conference						
1.	M.Vasanthi S.Priyadharshini V.Lakshmi	Water Purification for Industrial Waste Water		International Conference on Recent Innovation in Science, Engineering and Management	03.06.2022& 04.06.2022	

2.	M.Vasanthi, D.Charumathi, P.Divya, S.Dhivyapriya, M.Gokulapriya	Video Transmission using LIFI Technology	International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET'22)	May 20-21, 2022.
3.	M.Vasanthi, B.P.Priyadharshini ,S.Priyadharshini, J.Priyadharshini, S.Renuka,	An Embedded Based Ventilation Assistance System For Covid 19 Patients	International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET'21)	May 26-27, 2021.
4.	M.Vasanthi K.Anand	Step Up Converter using Coupled Inductor Technique for Solar Pump Applications	International Conference on Engineering, Technology and Science	26.03.2021
5.	M.Vasanthi K.Anand	Design and Implementation of Low power Wallace Tree Architecture Based Multipliers	International Conference on Engineering, Technology and Science	26.03.2021
6.	J.Loganayaki, MVasanthi	Image Multiplier Based On Low Power Approximate Unsigned Mutliplier	International Conference on “Research and Innovative Trends in Engineering”	09.03.2019
National Conference				
1	M.Vasanthi, K.Mythili,	Identification of Plant Leaf Diseases Using Deep Learning and Image Preprocessing Techniques	National Conference on Fostering Ethics and Human Values through Technical Education	27.03.2021
2	M.Vasanthi , S.Anitha , S.Ashma , K.Janani , M.Kaviyasree	E-Smart Army Suit	National Conference on Computing Technology and Science(NCCCTS'20)	06.03.2020

A8	Programs Organized
1.	National Level Technical Symposium “ TRAGGA TALENTA ”

A10	Highlights of Major Contributions
1.	Worked in various criteria's for NAAC and NBA Accreditation
2.	Coordinator for Major activates in Annual Day and Graduation Day and Placement Day (2018-2022)
3.	Class Advisor for the students and motivated in various ways.

A11	Training Programmes Attended
1.	Attended FDP titled “Recent Tools and Technologies for Data Science and Artificial Intelligence ” at Mandanapalle Institute of Technology and Science ,from 19.09.2022 to 26.09.2022.
2.	Attended FDP titled “Integration of Energy Sources ” at Mailam Engineering College, Villupuram ,from 01.09.2022 to 08.09.2022.
3.	Attended FDP titled “Amazon Web Services” at M.Kumarasamy College of Engineering, Karur from 22.08.2022 to 27.08.2022.
4.	Attended FDP titled “Computer Vision and Natural Language Processing ” at Eswari Engineering College,on from 08.08.2022 to 18.08.2022.
5.	Attended FDP titled “Embedded and Real Time Systems” at PSNA College of Engineering and Technology, from 04.07.2022 to 09.07.2022.
6.	Attended FDP titled “Applications of Cognitive Radio networks” at Kings Engineering College,Chennai on from 01.04.2022 to 06.04.2022.
7.	FDP titled “Machine Learning Application in Signal Processing and Communication Engineering” at Muthyammal Engineering College from 03.01.2022 to 08.01.2022.
8.	FDP titled “Signals, Systems and Transform Techniques” at Maturi Venkata Subba Rao (MVSR) Engineering College (Autonomous), Hyderabad from 22.11.2021 to 27.11.2021.
9.	Attended National webinar titled “Intellectual Property management strategies for Start-ups” Patent Information Centre, Tamil Nadu State Council for Science and Technology, Chennai, on 12.01.2022
10.	Attended Two Days National Level Workshop on “PCB Design” at AVS Engineering College,Salem on 10.05.2022 and 11.05.2022
11.	Attended ATAL FDP titled “Custom IC Design in the Advanced CMOS Technology” at Indian Institute of Information Technology Pune. From 21.11.2021 to 25.11.2021
12.	Attended ATAL FDP titled “Sustainability Engineering” at Gnanamani College of Technology from 02.02.2021 to 06.02.2021
13.	Attended National webinar titled “Motivational Session by Successful Innovator” at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Technology,Chennai on 09.11.2021
14.	Attended National webinar titled ““ Intellectual Property management strategies for Start-up” at Arjun College of Technology,Coimbatore on 12.06.2021
15.	Attended ATAL FDP titled “Artificial Intelligence” at KIIT from 15.10.2020 to 19.10.2020.
16.	Attended FDP titled at "High Power Conversion Electronics for Energy Based Smart Grid" at S.A. Engineering College from 07.12.2020 to 19.12.2020.
17.	Attended FDP titled at "Recent Trends in IC Design" Using Mentor Graphics EDA Tools at Vasavi College of Engineering from 29.06.2020 to 01.07.2020.
18.	Attended FDP titled at “PHYTHON 3.4.3” at Pragathi Engineering College from 08.06.2020 to 13.06.2020
19.	Attended National webinar titled “Flexible and Wearable Sensors for Biomedical Applications” at KPR Institute of Engineering and Technology on 26.08.2022
20.	Attended National webinar titled “Challenges in Realizing RF Components in 5G/6G Applications” at Hindustan Institute of Technology on 16.10.2020
21.	Attended National webinar titled “Satellite Image Procesing for Tracking Environmental Changes” at Annapoorna Engineering College on 14.07.2020
22.	Attended National webinar titled “Quit Your Comfort Zone Hit your Target” at Sri Eswar College of Engineering on 08.07.2020
23.	Attended National webinar titled “Quality,Realiability and Safety-An Overview” at Sri Eswar College of Engineering on 01.07.2020
24.	Attended National webinar titled “WSN Communication Strategies, Challenges and Applications” at Francis Xavier Engineering College on 13.07.2020
25.	Attended National level Seminar on ‘E-waste Management at Narasu’s Sarathy Institute of Technology,Salem on 08.10.2022
26.	Attended National seminar titled “Recent Trends in Semiconductor & ASIC Verification” at Sri Ramakrishna College of Technology on 06.06.2020.

27.	Attended National seminar titled “Effective heart Disease Detection Based on quantitative Machine Learning Technique” at Muthyammal Engineering College on 12.03.2020 & 13.03.2020.
28.	Attended one day workshop on ” Robotics Manipulators – Forward and Inverse Kinematics” at Sri Ramakrishna Institute of Technology, Coimbatore on 24.04.2020
29.	Attended one day workshop on Design of Antennas and RF Microwave Component using CST MWS, at Muthyammal Engineering College on 08.020.2020
30.	Attended FDP titled at “Adaptive Array for Mobile Communication Applications” at Muthyammal Engineering College from 19.08.2019 to 31.08.2019
31.	Attended National Seminar titled “Digital Agriculture” at Muthyammal Engineering College on 28.11.2019 & 29.11.2019
32.	Attended National Seminar titled “Industrial IOT Trends in Digital Manufacturing” at Muthyammal Engineering College on 12.07.2019 & 13.07.2019
33.	Attended one day workshop on ”PCB Design” in Prayoga Technologies on 08.08.2019
34.	Attended one day workshop on ”IoT Applications Design: Issues and Challenges” in Paavai Engineering College on 24.01.2019
35.	Attended Workshop titled “CMOS VLSI SYSTEM DESIGN” at Sengunthar Engineering College on 28.09.2013

A14	Patent Published
1	Ift- Management: Artificial Intelligence Based POS System (points of sales) for Food Truck Vendor Management. (Patent No: 202141008301 A) filed on 26.03.2021