


K.S.R. College of Engineering, Tiruchengode –637215.
Department of Electrical and Electronics Engineering
Faculty Profile

1. Name	A. VASANTHI	
2. Designation	Assistant Professor	
3. Date of Birth	13.07.1981	
4. Date of Joining	05.07.2010	
5. Specialization	Power Electronics and Drives	
6. Academic Qualification	M.E., (P.hD)	
7. Domain Mail ID & Contact Number(s)	vasanthi@ksrce.ac.in & 9842507556	
8. Experience Details(Chronological)	Teaching: 15 Years 10 Months Industry: 2 Years 1 Month	

Experience & Promotion Details

S.No.	Name of the Organization	Designation	Period	
			From	To
1.	K.S.R. College of Engineering	Assistant Professor	05.07.2010	Till Date
2.	Paavai College of Engineering	Lecturer	03.10.2006	31.05.2010
3.	Digitek controls (Industry)	Design Engineer	05.06.2004	10.06.2006

09. Publication Details:-

S.No	*National Level		*International Level		Google Scholar Citations:
	Journal(s)	Conference(s)	Journal(s)	Conference(s)	h-index :
1	NIL	02	06	15	-

Google scholar id	Orcid id	Scopus id	Researcher id
52Imj8QAAAAJ&hl=en	0000-0002-3571-0358	-	-

10. Funded Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other:-

S.No	Title of the Proposal	Funding Agency Details	Date & Duration		Amount Sanctioned
			From	To	
Nil					

11. Funded Research Projects:-

S.No	Title of the Project	Name of the Funding Agency	Amount Sanctioned (Rs.)	Role
Nil				

12. Detail of Book/Book Chapter Published:-

S.No	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing	ISBN no
1.	Electronic devices and circuits	Mrs.A.Vasanthi Dr.R.Sridevi Jyotsana Kaiwart Dr.T.Surya Kavitha	Techno Publishers,Chennai.	2024	978-81-972362-1-1
2.	Title: Recent trends in multidisciplinary research Chapter: Advancements in sustainable food packaging: Biodegradable Nano coatings for enhanced preservation and protective functions	Dr.M.Mohammadha Hussaini Dr.M.Shyamalagowri Dr.K.S.Mohan Mrs.A.Vasanthi	Infinity Publications United Kingdom	2024	978-1-304-61718-7
3.	Recent Trends in Renewable Energy with Power Electronics	Dr.P.M.Balasubramaniam, K Balasubramanian, A.Vasanthi, K.Yamuna, B.Yuvarani.	Scientific International Publishing House (SIPH), India	2023	978-93-5757-461-7

13. Patents Filled:-

S.No	Patent Application No	Title of Invention	Date of filing	Date of Published
1.	202241030671 A	Eco friendly and cost effective panels for smart grids from spatiotemporal optimization of charging E-vehicles	28/05/2022	03/06/2022
2.	6309099	Floating wind-powered aerator system for ponds and lakes	08 /09/ 2023	18 /09/2023
3.	202441029567 A	Hybrid renewable energy sources for optimized energy management and security in micro grid	12/04/2024	26/04/2024

14. Consultancy Activities (Industry):-

S.No	Title of the Project	Name of the Company	Consultant Amount Received
Nil			

15. Professional Recognition/Award/Prize, Fellowship/Internship received etc:-

S.No	Name of Award/Fellowship/Internship	Awarding Agency
1.	Internship on renewable energy design	Pantech E Learning

16. Membership in Professional Bodies:-

- Indian Society for Technical Education (ISTE) - Life Member (LM 74457)
- IAENG -368525

17. Social media details:-

LinkedIn Profile Link	https://www.linkedin.com/in/vasanthi-dhananchezian-589508125/
Instagram Profile Link	https://www.instagram.com/vasanthichezian/
Facebook Profile Link	https://www.facebook.com/profile.php?id=100004586297915
Youtube Profile Link	-
Web Page (if any)	-

18. Areas of Interest: -

- Power electronics
- Renewable energy systems
- Analog electronics

List of Publications

International Journal: 6

1. A.Vasanthi, S.Prasanth, P.Dinesh Kumar, B.Vijay Kumar and R.Infant Jennifer, March 2023, Programmable Logic Controller Based On Automatic Loom Machine in the International Journal of Advances in Engineering and Management (IJAEM) , VOL-5, Issue-3.
2. A.Vasanthi and M.Harini, April 2023, Interfacing Hybrid Power System to Grid Using STATCOM to Improve Power Quality in the International Journal of Novel Research and Development (IJNRD), VOL-8, Issue-4.
3. M. Sornalatha, K. Yamuna, A. Vasanthi and B Yuvarani, March 2021, A non-invasive way to determine blood type based on antigen property in the International Journal of Electrical and Electronics Engineering (IJEED), VOL-10, Issue-2.
4. A.Vasanthi, G.Ramesh, M.Ranjani, M.Praveen Kumar and A.Vanitha Mani, 2019, Robotized Arecanut tree climber and pesticides sprayer in the International Journal of Intellectual Advancements and Research in Engineering Computations, Vol.7, No.02, pp.2210 -2215.
5. A.Vasanthi, S.Sri Ganga Devi, February 2014, Implementation of Improved Double Flying Capacitor Multicell Converter Based on Phase Shifted Carrier PWM Modulation in the International Journal of Innovative Research in Science, Engineering and Technology (ISSN: 2347-6710), Issue 1, Vol.3.
6. A.Vasanthi and Mr.D.Murali, 2009, Analysis of Multi Level Inverter Topologies and Output Voltage Harmonic Reduction in the International Journal of Engineering Research and Industrial Applications, (ISSN:0974-1518) Vol. 2, No. VII, pp. 13-28.

International Conference: 15

1. A.Vasanthi,B.Vishvanath,V.M.Srinithin,B.Tharun and S.Prasanth “Hybrid renewable energy source for optimized energy management and security in micro grid” in the International conference on Emerging Materials and Technology at K.S.R. College of Engineering, Namakkal held on 21st and 22nd February 2024.
2. Vasanthi.A, Prasanth S, Dinesh Kumar P, Vijay Kumar B, and Infant Jennifer R “Programmable Logic Controller Based On Automatic Loom Machine” in the International conference on Engineering Technology and Science at Muthayammal College of Engineering, Rasipuram held on 31stMarch 2023.
3. A.Vasanthi and M.Harini “Interfacing Hybrid Power System to Grid Using STATCOM to Improve Power Quality” in the International conference on Emerging Engineering Technologies (ICEET 2023) at Raji Publications held in 11th & 12th March 2023.
4. A.Vasanthi, M.Sriram and K.Periyannan “A LORA Based smart agriculture management and monitoring system for irrigation and fertilization” in the International conference on Science ,Technology, Engineering and Mathematics at Jansons Institute of Technology, Coimbatore held on 28th May 2022.
5. A.Vasanthi, A.Sivaraman and S.Ramkumar “A LORA Based smart agriculture management and monitoring system for irrigation and fertilization” in the International conference on emerging trends in science Technology and applications at Sree Sakthi Engineering College held on27thand28th May 2022.
6. A.Vasanthi, B.Rajeshwari “Design of reconstructed solar array and segmented battery management strategy to improve the converter efficiency” in the International E conference on latest trends in science engineering and technology, at Karpagam institute of technology, Coimbatore held on 26th and 27th March 2021.
7. A.Vasanthi, S. Keerthiraj “IOT based smart H2V and V2V charging system” in the International conference on engineering and technology -ICET 2020 at Selvam College of technology, Namakkal held on 04th and 05th March 2020.
8. A.Vasanthi, A.Vanithamani “Robotized arecanut tree climber and pesticides sprayer” in the International conference on recent innovations in engineering, technology and management (ICRIETM - 2019) at Nandha engineering college , Erode held on 22nd March 2019.
9. A.Vasanthi, M.Praveenkumar, “Robotized arecanut tree hiker and pesticides sprinkler” in the International conference on recent trends in engineering ,science and technology (ICRTEST’19) at SBM college of engineering and technology, Dindigul held on2nd March 2019.
10. A.Vasanthi, M.Satheesh “Non Example Based Single Image Super Resolution and Denoising of Magnetic Resonance Image” in the International Conference on Advances in Computing,Control,Communication,Automation and Structural Engineering” at Al-Ameen Engineering College, Erode held on 10th and 11th April 2015.
11. A.Vasanthi, M.Satheesh “Super Resolution and Denoising of Magnetic Resonance Image Using Cubic Spline Interpolation” in the International Conference in Synergistic Evolutions in Engineering at Surya Engineering College, Erode held on 04th and 05th March 2015.

12. A.Vasanthi,M.Parthipan“Implementation of Shunt Active Power Filter for Harmonic Compensation and Power Factor Correction” in the International Conference on Innovations in Science,Engineering,Technology and Management at Paavai College of Engineering , Namakkal held on 13th April 2014.
13. A.Vasanthi, M.Parthipan “Implementation of Improved Double Flying Capacitor Multicell Converter Based on Phase Shifted Carrier PWM Modulation” in the International Conference on Trends in Technology and Engineering at Arjun College of Technology, held on 4th February 2014.
14. A.Vasanthi,M.Parthipan “Implementation of Improved Double Flying Capacitor Multicell Converter Based on Phase Shifted Carrier PWM Modulation” in the International Conference on Engineering Technology at Paavai Engineering College, Namakkal held on 2nd March 2014.
15. A.Vasanthi, S.Sri Ganga Devi “Implementation of Improved Double Flying Capacitor Multicell Converter Based on Phase Shifted Carrier PWM Modulation” in the International Conference on Engineering Technology and Science at Muthayammal College of Engineering, Rasipuram held on 10th and 11th February 2014.

National Conference: 2

1. A.Vasanthi, S.Sri Ganga Devi “Implementation of Improved Double Flying Capacitor Multi cell Converter Based on Phase Shifted Carrier PWM Modulation” in the National Conference on Trends in Automotive Parts Systems and Applications at Sri Krishna College of Engineering & Technology, Coimbatore held on 21st and 22nd March 2014.
2. A.Vasanthi “Modulation Index Regulation of a Multilevel Inverter for Static VAR Compensation” in the National Conference on Software Engineering and Applications at Government College of Engineering, Salem held on 27th February 2009.