

# **K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.**

## **DEPARTMENT OF ELECTRICAL ANDELECTRONICS ENGINEERING**

### **FACULTY PROFILE**

- 01. Name** : A. VASANTHI
- 02. Designation** :Assistant Professor
- 03. Date of Birth** :13.07.1981
- 04. Date of Joining** :05.07.2010
- 05. Professional Membership** : ISTE



**06. Qualification:**

S.No.	Qualification	Specialization	Name of the Institution	Affiliated to	Year ofCompletion	Class & % of Marks
1.	ME	Power Electronics and Drives	Government College of Engineering, Salem.	Anna University, Coimbatore	2009	First class with distinction & 85
2.	BE	Electrical and Electronics Engineering	Erode Sengunthar Engineering College, Perundurai.	Bharathiar University, Coimbatore	2003	First class & 72

- 07. Area of Interest** : Power devices, Op amp circuit design

**08. Experience,Promotion& Designation Details (Chronological):**

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.	Digitex controls (Industry)	Design Engineer	05.06.2004	10.06.2006

## **LIST OF PUBLICATIONS**

### **National Conference: 02**

1. A.Vasanthi, S.Sri Ganga Devi presented a paper entitled “ Implementation of Improved Double Flying Capacitor Multicell 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 21<sup>st</sup> and 22<sup>nd</sup> March 2014.
2. A.Vasanthipresented a paper entitled “ 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 27<sup>th</sup> February 2009.

### **International Conference: 10**

1. A.Vasanthi, B.Rajeshwari presented a paper entitled “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 26<sup>th</sup> and 27<sup>th</sup> March 2021.
2. A.Vasanthi, S. Keerthiraj presented a paper entitled “IOT based smart H2V and V2V charging system” in the International conference on engineering and technology -ICET 2020atSelvam college of technology, Namakkal held on 04<sup>th</sup> and 05<sup>th</sup> March 2020.
3. A.Vasanthi, A.Vanithamani presented a paper entitled “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 22<sup>nd</sup> March 2019.
4. A.Vasanthi, M.Praveenkumar, presented a paper entitled “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 on 2<sup>nd</sup> March 2019.
5. A.Vasanthi, M.Satheeshpresented a paper entitled “Non Example Based Single ImageSuper Resolution and Denoising of Magnetic Resonanace Image” in the International Conference on Advances in Computing,Control,Communication,Automation and Structural Engineering” at Al-Ameen Engineering College, Erode held on 10<sup>th</sup> and 11<sup>th</sup> April 2015.
6. A.Vasanthi, M.Satheeshpresented a paper entitled “Super Resolution and Denoising of Magnetic Resonanace Image Using Cubic Spline Interpolation” in the International Conference in Synergistic Evolutions in Engineering at Surya Engineering College, Erode held on 04<sup>th</sup> and 05<sup>th</sup> March 2015.
7. A.Vasanthi,M.Parthipanpresented a paper entitled “Implementation of Shunt Active Power Filter for Harmonic Compensation and Power Factor Correction” in the International

8. A.Vasanthi, M.Parthipan presented a paper entitled “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 4<sup>th</sup> February 2014.
9. A.Vasanthi,M.Parthipanpresented a paper entitled “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 02<sup>nd</sup> March 2014.
10. A.Vasanthi, S.Sri Ganga Devi presented a paper entitled “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 Muthayamman College of Engineering, Rasipuram held on 10<sup>th</sup> and 11<sup>th</sup> February 2014.

**International Journal: 04**

1. M. Sornalatha, K. Yamuna, A. Vasanthi and B Yuvarani published a paper entitled “Anon-invasive way to determine blood type Based on antigen property” in the International Journal of Electrical and Electronics Engineering (IJEED ), VOL-10, Issue-2, March2021.
2. A.Vasanthi, G.Ramesh, M.Ranjani, M.Praveen Kumar and A.Vanitha Mani published a paper entitled “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 -2215,2019.
3. A.Vasanthi, S.Sri Ganga Devi published a paper entitled “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,February-2014.
4. A.Vasanthi and Mr.D.Murali,published a paper entitled “Analysis of Mluti Level Inverter Topologis 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, 2009.