

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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PROFILE

- 01. Name** : K.Yamuna
- 02. Designation** : Asst.Professor
- 03. Date of Birth** : 16.05.1980
- 04. Date of Joining** : 02.06.2010
- 05. Professional Membership** : ISTE, MIEEE



06. Qualification:

S.No.	Qualification	Specialization	Name of the Institution	Affiliated to	Year of Completion	Class & % of Marks
1.	M.E	Power Systems	2005	Annamalai University	Annamalai University	8.34
2.	B.E	EEE	2002	CIT	Bharathiyar	65.71

- 07. Area of Interest** : Power Systems

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

S.No.	Name of the Organization	Designation	Period	
			From	To
1.	K.S.R.College of Engineering	Lecturer	04.06.2005	08.10.2007
2.	BanariAmman Institute of technology	Lecturer	10.10.2007	24.05.2010
3.	K.S.R.College of Engineering	Senior Lecturer	02.06.2010	01.07.2010
4.	K.S.R.College of Engineering	Asst.Prof.	01.07.2010	Till date

LIST OF PUBLICATIONS

National Conference: 03

1. K. Yamuna and S. Mutharasu (2012), “A Fuzzy Based Soft Switching Converter for Power Factor Correction”, National Conference on Communication Technology Interventions for Rural and Social Developments, Organized by Sri Krishna College of Engineering and Technology, Tamilnadu, 16-17 February 2012.
2. Yamuna, K., S. Mutharasu (2012), “A Novel Soft Switching based Power Factor Correction converter”, National Conference on Innovations in electrical &electronics engineering, Organized by M.P.NachimuthuM.Jaganathan engineering college, Tamilnadu, Jan 2012.
3. K.Yamuna, Aravinth V V, Arunprasaath C P, Ahmed Ashik M, Gokulnath P, “Automatic Detection and Cutting of Grass Using Hybrid Sources”, Virtual National Conference on Innovations in Electrical Power and Green EnergyS (NCIEPGES'21) held on 24th March 2021 in Virtual mode organized by M. Kumarasamy College of Engineering, Karur, Tamil Nadu – India.

International Conference: 07

1. Yamuna, K. (2011) “A Bidirectional DC-DC Converter For Renewable Energy Applications” Proceedings of International Conference on Recent Trends in Renewable Energy Systems, organized by Hindustan College of Engineering, pp 233-239, 2011.
2. Yamuna, K. (2014), “A Single Stage Power Factor Correction for Single Phase AC-DC Converter”, International Conference on Engineering, Technology and Science, Organized by Muthayammal College of Engineering, Tamilnadu, February 2014.
3. Yamuna, K. (2012) “A single phase soft switching converter for power factor correction using fuzzy logic” Proceedings of International Conference on computing techniques embedded systems & drives, organized by PPG institute of technology.
4. Yamuna, K. (2015) “An Isolated Multiport DC-DC converter for multiple Renewable Energy Sources” International Conference on Intelligent systems and control, organized by Karpagam College of Engineering.
5. Yamuna, K. (2015) “An Isolated Multiport DC-DC converter Interfacing for multiple Renewable Energy Sources using fuzzy logic controller” International Conference in Synergistic Evolutions engineering, organized by Surya Engineering college.
6. Yamuna, K. (2020) “Power quality improvement in single phase grid using photovoltaic in UPQC” 6th International Conference on Engineering and Technology, organized by Selvam college of technology, Namakkal.
7. Yamuna, K. (2022) “A smart energy meter with power theft monitoring and home automation using IoT” International conference on science, Technology, Engineering and Mathematics, organized by Jansons insititute of technology, Coimbatore.

National Journal: Nil

International Journal: 05

1. K. Yamuna and S. Mutharasu (2012), "A Fuzzy Based Soft Switching Converter for Power Factor Correction", Bonfring International Journal of Power Systems and Integrated Circuits, vol.2, special Issue 1, part1, 16-17 February 2012.
2. Satheyaraj. N, Yamuna, K. published a paper entitled "A single stage power factor correction for single phase AC-DC converter" in the International Journal of Innovative Research in Science Engineering & Technology (ISSN:2319-8753), Issue 1, Vol.3 (Feb.2014).
3. S.Yamini, K. Yamuna (2015), "An isolated multiport DC-DC converter with decoupled power flow management of multiple renewable energy sources", International journal of Applied Engineering Research, vol.10, pp-9420-9425.
4. M. Sornalatha, K. Yamuna, A. Vasanthi & B. Yuvarani (2021), "A NON-INVASIVE WAY TO DETERMINE BLOOD TYPE BASED ON ANTIGEN PROPERTY", International Journal of Electrical and Electronics Engineering (IJEET), Vol. 10, Issue 2, Feb-Mar 2021.
5. S. A. Chithra Devi, K. Yamuna & M. Sornalatha (2021), "Multi-objective optimization of optimal placement and sizing of multiple DG placements in radial distribution system using stud krill herd algorithm", Neural Computing and Applications, April 2021..