TAGORE ENGINEERING COLLEGE

(A Member of Tagore Group of Institutions Chennai)

Approved by AICTE, New Delhi I Affiliated to Anna University, Chennai

ACCREDITED BY IQAC-NAAC WITH 'A' GRADE

FACULTY PROFILE

PERSONAL DETAILS

Name & Qualification	**Dr. K. SRINIVASAN, M.E.,Ph.D,**
Designation	Professor and Head
Department	Electrical and Electronics Engineering
Total Teaching Experience	21 Years
Total Research Experience	8 Years
Total Industry Experience	-
Area of Specialization	Power Electronics & Drives
AICTE Faculty ID	I-7489690015
Email ID	hod.eee@tagore-engg.ac.in

EDUCATIONAL DETAILS

Degree	Branch/ Specialization	University	Year
UG	Electrical & Electronics Engineering	University of Madras	1997
PG	Power Systems	Annamalai University	2001
Ph.D	Electrical Engineering	Sathyabama University	2012

RESEARCH / PUBLICATION DETAILS

Publications in Journal

1. K. Srinivasan and R. Ravisekar, 2020 "Fuzzy logic controller based upfc for reactive power compensation in transmission line" International Journal of Journal of Xi'an University of Architecture & Technology , Issn No : 1006-7930 Volume XII, Issue II, 2020
2. K. Srinivasan and R. Ravisekar, 2020, " Adaptive Transmission System with PMU" International Journal of Test Engineering and Management ISSN: 0193-4120 Page No. 25499 - 25504 ,March – April 2020
3. K. Srinivasan and R. Ravisekar, 2020 "Optimal reactive powerdispatch with series and shunt facts devices using sine cosine algorithm" International Journal of Advanced Research in Engineering and Technology (IJARET) Volume 11, Issue 1,January 2020, pp. 90-109.
4. K. Srinivasan and R. Ravisekar, 2020, " Real Power Minimization with Voltage Profile Enhancement Using Series and Shunt FACTS Controllers – Sine Cosine Algorithm

Approach" International Journal of Test Engineering and Management ISSN: 0193-4120 Page No. 10873- 10890, January-February 2020

5. K. Srinivasan and R. Ravisekar, 2019, "Reactive Power Control using Sine Cosine Algorithm for Active Power Loss Minimization with Voltage Profile Enhancement" International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9, Issue-1S2, December 2019.
6. K. Srinivasan and R. Arivuselvi,2018, "Performance Analysis Of Series Z-Source Four Switch Three Phase Inverter Fed Induction Motor Drive" International Journal of Pure and Applied Mathematics Volume 119 No. 12 2018, 2945-2960
7. K. Srinivasan and G. Themozhi, 2016, "FPGA based Bidirectional DC to DC Converter for Aerospace Applications" International Journal of Printing, Packaging & Allied Sciences, December 2016, No. 1, Volume 4, pp. 7, 385-398.
8. K. Srinivasan and C. Saravanan, 2016, "Optimal Extraction of Photovoltaic Model Parameters Using Gravitational Search Algorithm Approach" International Journal of Circuits and Systems, 2016, Volume 7, pp. 7, 3849-3861.
9. K. Srinivasan and T. Vijayakumar, 2016, "Practical Implementation of Embedded Controlled Reduced Switch Z-Source Inverter-Fed Induction Motor Drive" International Journal of Circuits and Systems, july 2016, Volume 7, pp. 7, 2189-2195.
10. K. Srinivasan and G. Themozhi, 2016, " Design of Bidirectional DC to DC Converter for Aerospace Applications" Asian Journal of Research in Social Sciences and Humanities Vol. 6, No. 12, December 2016, pp. 578-591.
11. K. Srinivasan and Dr.C.Gopinath, A.Arundhadhi, 2014, "Design of Seven Level Grid Connected Inverter for PV System" International Journal of Applied Engineering Research (IJAER),Volume 9, Number 24 (2014) Special Issues pp. 8389-8395.
12. K. Srinivasan and G. Ramu, 2014, "Reduced Switch Three Phase Inverter Fed IM Drive With Compound Active-Clamping Boost Converter" International Journal of Applied Engineering Research (IJAER),Volume 9, Number 22 (2014) Special Issues pp. 6602-6608.
13. K. Srinivasan and S. Annadurai, 2014, "Harmonics Study And Analysis of Reduced Switch Z-Source Inverter Fed AC Drives" International Journal of Applied Engineering Research (IJAER),Volume 9, Number 22 (2014) Special Issues pp. 6609-6616.
14. K. Srinivasan and R. Kanagaraj, 2014, "Analysis of reduced topology for a Cost Effective inverter fed PMSM drive" International Journal of Applied Engineering Research (IJAER),Volume 9, Number 22 (2014) Special Issues pp. 6617-6621.

15. K. Srinivasan and P. Ramanathan, 2014, “Modified Impedance Source Inverter Fed Ac Drive For Low Power Applications” International Journal of Applied Engineering Research (IJAER),Volume 9, Number 22 (2014) Special Issues pp. 6622-6626.
16. K. Srinivasan and D. Baskar, 2014, “Analysis of Three Level Boost Converter For Reduced Switch Inverter Fed AC Drives” International Journal of Applied Engineering Research (IJAER),Volume 9, Number 22 (2014) Special Issues pp. 6627-6632.
17. K. Srinivasan and M. Gopikrishnan, 2014, “Analysis of A Reduced Switch Three Phase BLDC Drive” International Journal of Applied Engineering Research (IJAER),Volume 9, Number 22 (2014) Special Issues pp. 6633-6637.
18. K. Srinivasan and R. Kanagaraj, 2014, “Performance Evaluation of Quasi Z-Source Four Switch Three Phase Inverter Fed Induction Motor Drive” International Journal of Applied Engineering Research (IJAER),Volume 9, Number 22 (2014) Special Issues pp. 6913-6920.
19. K. Srinivasan and M. A. Panneerselvam 2010, “Analysis on Photovoltaic Based Cost Effective Four Switch Three Phase Inverter Driven Water Pumping System ” International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 11, November – 2013**.**
20. K. Srinivasan and S.S. Dash, 2010, “Performance Analysis of a Reduced Switch Z Source Inverter fed IM Drives ”International **Journal** of Computer and Electrical Engineering (**IJCEE**)**:**Volume 2 Number 2 April 2010.
21. K. Srinivasan and S.S. Dash, 2009, “Comparison of Traditional PWM Inverter and a Component Minimized Z-Source Inverter For Ac Drives” International Journal of Electrical Engineering. Romania. Article 9.4.3
22. K. Srinivasan and S.S. Dash, 2009, “Comparison of Component Minimized Z –Source Inverter and Six Switch Z-Source Inverter for Motor Drives ” National Journals of TechnologyVolume :5 No.4 Dec 2009**.**
23. K. Srinivasan and S.S. Dash, 2009, “Common-Mode Voltage Reduction in a Z-Source Four Switch Three Phase Induction Motor Drive System ” International Engineering and Technology.**:**Volume :3 issue 2, Oct 2009.

Conference Proceedings

1. K. Srinivasan and S.S. Dash, 2007,” Digital simulation of low cost fuzzy logic based four-switch three-phase (pwm) inverter fed induction motor drive ” ICTES 2007, ieeexplore.ieee.org, Dec. 20-22, 2007. pp.384-388.
2. K. Srinivasan and S.S. Dash, 2007,”Digital Simulation of Cost Effective Four Switch 3-Phase Inverter Fed Induction Motor Drive using MATLAB / Simulink” International

Conference on Trends in Intelligent Electronic Systems (TIES 2007), Sathyabama University, Jeppiaar Nagar, Chennai, India. 12 – 14 November, 2007: pp 514-517.

3. K. Srinivasan and S.S. Dash, 2007," Digital simulation of low cost fuzzy logic based four-switch three-phase (pwm) inverter fed induction motor drive " IET-UK International Conference on Information and Communication Technology in Electrical Sciences (ICTES 2007), Dr. M.G.R. University, Chennai, Tamil Nadu, India. Dec. 20-22, 2007. pp.384-388.
4. K. Srinivasan and S.S. Dash, 2008, "Analysis, Design of Impedance Source Four-Switch Three- Phase Inverter for A.C. Motor Drives" National Conference on Computational Intelligence in Power Apparatus and Systems (CIPS 2008), SRM University, Chennai, India. pp 411-416.
5. K. Srinivasan and S.S. Dash, 2008, "Harmonics Study and Analysis of Component Minimized Z-Source Inverter fed AC Drives" International Conference on Electrical Energy Systems& Power Electronics in Emerging Economics (ICEESPEEE 2009), SRM University, Chennai, India. pp 592-599.
6. K. Srinivasan, 2008, "Harmonic analysis of z-source four-switch three-phase Inverter fed im drive." National Conference on "Power Electronics, Drives And Energy Conversion Systems" PEDECS 2008. AnnamalaiUniversity ,India.
7. K. Srinivasan and K.Elango, 2008, "Analysis of reduced topology for a low-cost 4-switch 3-phase inverter-fed PMSM drive" National Conference on Computational Intelligence in Power Apparatus and Systems (CIPS 2008), SRM University, Chennai,
8. K. Srinivasan, 2009, "Modeling & Harmonic analysis of cost effective Component Minimized three phase Induction Motor Drives." National Conference on "Emerging Trends in Electrical Engineering [ETEE-09]. Sri Sai Ram Engineering College, Chennai, India.
9. K. Srinivasan, Rajanbabu, 2009, "Four Switch Three Phase Inverter Fed Im Drive With Compound Active-ClampingBoost Converter." National Conference on "Power System Control and Automation -2009 "VelsSrinivasa College of Engineering and Technology, Chennai, India
10. K. Srinivasan,S. Prakash, 2009, "Analysis of a Component minimized Three-Phase Brushless DC Motor Drive." National Conference on "Soft Skill Applications for Solid state drives" SSASSD'09. Rajalakshmi Engineering College Chennai, India.
11. K. Srinivasan and S.S. Dash, 2010, "Modeling & analysis of cost effective Rectifier/Inverter System with a reduced switch count" National Conference on Emerging Technologies in Electrical Engineering (NCEEE-10), Valliammai Engineering College, Chennai, India. pp

179-186.

12. K. Srinivasan, 2012, “Performance Evaluation of AC motor drive through Reduced Switch Z-Source Inverter ” National Conference on Emerging Technologies in Electrical Engineering (NCEEE-12), Valliammai Engineering College, Chennai, India.
13. K. Srinivasan and R. Senthil Kumar , 2014, “Implementation of Embedded Controlled Reduced Switch Z Source Inverter Fed IM Drive” Inter national Conference on Electrical , communication and Computing (ICECC2014), Tagore Engineering College, Chennai, India.
14. K. Srinivasan and A. Arundhathi, 2015, “Fifteen level Quasi Z-Source Inverter with hybrid modulation technique for grid connected PV system” National Conference on Recent advances in science, Engineering and management (NCRASEM-2015)", Tagore Engineering college, Chennai, India.
15. K. Srinivasan and T. Rejin, 2017, “Implementation of Embedded Controlled reduced Switch three phase Inverter-fed BLDC Drive” International Conference on Electrical, Communication and Computing (ICECC-2017)", Tagore Engineering college, Chennai, India.
16. K. SrinivasanP.S.Mohanraj, and S.A.Manoj, 2017, “Resonant Inverter for Domestic Induction Heating Using Dual Inductive Bridge System” International Conference on Electrical, Communication and Computing (ICECC-2017)", Tagore Engineering college, Chennai, India.

Books / Chapters Published

S. No	Book Title	Publisher & Year
1	**BASIC ELECTRICAL AND ELECTRONICS ENGINEERING**	Published by CHARULATHA Publications, India 2022
2	**CIRCUIT THEORY**	Published by CHARULATHA Publications, India 2015
3	**“POWER PLANT ENGINEERING”**	Published by SRI KRISHNA Publications, India 2014
4	“**REDUCED SWITCH Z-SOURCE INVERTER FED INDUCTION MOTOR DRIVE”**	Published by LAP Lambert Academic Publishing, German, 2012
5	**“ELECTRON DEVICES AND CIRCUITS”**	Published by MAGNUS Publications, India 2006
6	**“HIGH VOLTAGE ENGINEERING”**	Published by CHARULATHA Publications, India 2004
7	**“POWER SYSTEMS ANALYSIS”**	Published by CHARULATHA Publications, India 2004
8	**“MEASUREMENT & INSTRUMENTATIONS”**	Published by CHARULATHA Publications, India 2003

9	"**ELECTRICAL CIRCUIT THEORY"**	Published by "SRI KRISHNA" Publications, India 2003
10	**"ELECTRICAL MACHINES** "	Published by CHARULATHA Publications, India 2002
11	"**ELECTRICAL ENGINEERING AND CONTROL SYSTEM**	Published by CHARULATHA Publications, India 2002

AWARDS / FUND RECEIVED

1. "**Innovative Academic Research & Dedicated Teaching Faculty Professional Award**" by "Engineering Today - In Association With Society Of Engineers & Technicians, Kuala Lumpur, Malaysia at "2017 International ProfessionalAward Ceremony" on 12th Mar 2017.
2. "**Innovative Educationalist & Professional Award**" – by "Engineering Today - In Association With Society Of Innovative Educationalist and scientific educational professional in Association with University technology MARA, Kuala lumpur at "2018 International Professional Award Ceremony" on 25th Mar 2018.held at Coimbatore Kathir college of Engineering
3. Received third International Award "**Out standing Scientist Award**" – International organization of scientific research and development on 28 Dec 2018.Chennai, INDIA

Patent Applied / Published/Granted

1. Two Patents Registered in Aug-2019 & Sept 2019 (First examination report submitted of Indian Patents Application No. 201941036842 & 201941032289)

CITATIONS	**54**
H-INDEX	**4**

RESEARCH GUIDANCE DETAILS

Sl.No	University	Supervisor ID / Reference
1	Anna University, Chennai	**2930016 (Anna University**
2	Number of UG Scholars Guided	**47**
3	Number of PG Scholars Guided	**16**
4	Number of Ph.D. Scholars Guided	**2**
5	Number of Ph.D. Scholars Pursuing	**1**

PROFESSIONAL SOCIETY MEMBERSHIP DETAILS

Sl.No	Professional Society Name	Member ID
1	The Indian Society for Technical Education (**ISTE**)	LM 75228
2	International Association of Engineers (**IAENG**)	152630
3	The Institute of Engineers (India)(**IET**)	M-155799-2