SRIRAM ENGINEERING COLLEGE

Perumalpattu, Veppampattu (RS), Chennai 602024 Tamil Nadu
(A Unit of Sriram Educational Trust)
(Approve d by AICTE, New Delhi & Affiliated to Anna University, Chennai)

DEPARTMENT - ELECTRICAL & ELECTRONICS ENGINEERING

GENERAL INFORMATION

Name of the Faculty Member	Dr. S. Krishna Kumar
Present Designation	Professor
Educational Qualification	B.E., M.E. (PED), PhD
Anna University ID Number	1114424
AICTE ID Number	1-43399717033
Total Experience	25
Date of Birth	26/04/1974
Date of Joining	11/01/2025
Area of Specialization	Power Electronics

PARTICULARS OF EDUCATIONAL QUALIFICATION

Degree / Diploma	Subject	University / Board	Year of Passing
Ph.D.,	Power Electronics	Anna University	2017
PG	Power Electronics & Drives	Anna University	2007
UG	Electrical & Electronics Engineering	University of Madras	1996

RESEARCH TITLES

Ph.D.,	Certain control strategies for a DSTATCOM controlled distribution systems

ACADEMIC & INSTITUTIONAL RESPONSIBILITIES

Head of the Department

PROFESSIONAL MEMBERSHIP

ISTE, IETE, IEEE

PATENT DETAILS

NIL

BOOK CHAPTER PUBLICATIONS
NIL

JOURNAL PUBLICATIONS
20

PAPERS PRESENTED IN CONFERENCES/SYMPOSIUMS
8

CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED
5

NPTL, SWAYAM AND OTHER CERTIFICATIONS:
2

SUPERVISERSHIP (IN NUMBERS)	
Ph.D.,	0
PG.	10
UG.	50

PUBLICATIONS & CONFERENCES

- "PV based Shunt Active Power Filter for harmonics mitigation using Decoupled DSRF theory" 2019 "5th International Conference on Advanced Computing & Communication Systems (ICACCS)" 15-16 March 2019 indexed in IEEE and Scopus.
- "Renewable Energy based Hybrid Power System with Reliability Enhancement", Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 12, pp.293-96,2018, ISSN-2349-5162.
- "Power Exchanging distributed power device to balance local loads" Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 12, pp.296-301,2018, ISSN-2349-5162.
- "Maximum Power Point Tracking in Photovoltaic Systems Using Dual-Axis Solar Tracker " , International Journal Of Current Engineering and Scientific Research, vol.5, issue 1, pp : 12-18, 2018, ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697.
- "BELBIC control of DSTATCOM for voltage regulation", Journal of Control Engineering and applied Informatics, vol.18, no.2, pp.103-111, 2016, ISSN: 1458-8658 (Annexure I). IF – 0.537.
- "Repetitive controller based active neutral point clamped DSTATCOM for compensating unbalanced non linear loads" in journal of Computational and Theoretical Nano science. vol.13, no.1, pp.1-7, 2016 ISSN: 1546-1955 (Annexure I). IF – 1.66.
- "DSTATCOM with Sine PWM based Cascaded H-Bridge Converter for Reactive Power Compensation" in International Journal of Applied Engineering Research ISSN 0973-4562 vol. 9, no. 21 (2014) pp. 10059-10071. (Annexure II)
- "Sliding Mode Control of H Bridge Inverter Based DSTATCOM for Reactive Power Compensation" in Research Journal of Applied Sciences, Engineering and Technology, ISSN: 2040-7459; e-ISSN: 2040-7467, ISSN: 2040-7459; e-ISSN: 2040-7467. (Annexure II)
- "Voltage Compensation and Harmonics Mitigation in Three Phase Three Wire Distribution System using SVPWM Controlled Five Level DCMLI Based DSTATCOM" Australian Journal of Basic and Applied Sciences, ISSN:1991-8178, vol. 8(13), August 2014, pp. 184-192. (Annexure II)
- "Fuzzy Logic based DSTATCOM for Voltage Regulation and Harmonic Reduction "International Journal of Advanced Research in Electrical and Electronics Engineering, vol. 2 Issue: 1 ,08-Mar-2014,ISSN_NO: 2321-4775.
- "Nonlinear DSTATCOM Controller using Passivity- Based Sliding Mode Control" 2014 International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC).
- "Cascaded Multilevel H-Bridge Inverter Based DSTATCOM for Voltage Compensation "2014 International Conference on Computation of Power, Energy, Information And Communication (ICCPEIC)
- "Cascaded H-Bridge Multilevel Inverter based DSTATCOM" International Journal of Advanced Trends in Computer Science and Engineering, vol. 2 , No.2, Pages : 101-105 (2013).
- "Implementation of DSP based space vector modulated three phase to three phase matrix converter" in IEEE sponsored Power Electronics and Drives Systems (PEDS-07) held in Bangkok, Thailand '07.
- "DSP based space vector modulated three phase to three phase matrix converter fed induction motor drive" in NPEC IISC Bangalore '07.