

P.E.S. College of Engineering, Mandya-571401.
Department of Electrical and Electronics Engineering

SL NO.	AUTHOR'S NAME	AY-YEAR	PAPER TITLE	JOURNAL /CONFERENCE	UG/PG/FACU	VOLUME N	ISSUE N
1.	Dr. S Gopiya Naik	2024	Epileptic Seizure Detection using Improved Empirical Mode Decomposition and Improved Weight Updated KNN	Journal of Intelligent & Fuzzy Systems	UG	Vol.46, No. 4, pp. 1-14, 2024	
2.	Dr. S Gopiya Naik	2024	optimizing electric vehicle range through integrating rooftop solar on vehicle	International Journal of Electrical and Electronics Research(IJEER)	UG	2347-470	
3.	Dr. S Gopiya Naik	2024	A comparative analysis of energy consumption in conventional and electric vehicles	International Journal of vehicle performance	UG	pp 177-195	
4.	Dr. S Gopiya Naik	2024	Power Management system for a hybrid energy storage electric vehicle using fuzzy logic controller	Bulletin of Electric Engineering and informatics	UG	Vol. 13, No. 3, pp. 1443-1452,	
5.	Dr. S Gopiya Naik	2023	A novel study on EVs smart charging Optimization	International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT) IEEE,15 March 2023.	UG		
6.	Dr. S Gopiya Naik	2023	Mitigation of power quality issues associated with grid integrated power system	International Journal Of Progressive Research In Engineering Management And Science (IJPREMS)	UG	2583-1062	

7.	Dr. S Gopiya Naik	2023.	Optimal Power Flow Management in Microgrids using Distributed Energy Resources	International conference on intelligent and sustainable power and energy Systems	UG	Vol. 1295	
8.	Dr. S Gopiya Naik	2022	Modelling and Simulation of Solar Energy Storage System for Electric Vehicle	International Conference on Futuristic Technologies, IEEE Bangalore section, 25-27, November 2022	UG		
9.	Dr. S Gopiya Naik	2022	AC Digital Smart Meter using Arduino and PZEM-004T	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 11, No. 4, pp. 1610-1616, April 2022.	UG	11	04
10	Dr. S Gopiya Naik	2022	Battery Parameter Monitoring and Control System for Electric Vehicles	SSRG International Journal of Electrical and Electronics Engineering, Vol. 9, No.3, pp. 1-6, March 2022	UG	09	03
11	Dr. S Gopiya Naik	2022	Design of flexible floating point processing element architecture based on golay code strategy	International Journal of Wireless personal Communications (Springer Nature), Published online 24 February 2022	UG		
12	Dr. S Gopiya Naik	2021	Epileptic seizure detection using novel Multilayer LSTM Discriminant Network and dynamic mode Koopman decomposition	Biomedical Signal Processing and Control, Vol. 68, pp. 1-12, July 2021.	UG	68	
13	Dr. S Gopiya Naik	2021	Design Requirements of Solar Powered Plug-in Hybrid Electric Vehicles	Turkish Journal of Computer and Mathematics Education, Vol. 12, No. 3, pp. 4635-4641, April 2021	UG	12	03

14	Dr. S Gopiya Naik	2020	<i>Dual mode DC-DC Power Converter for Solar Battery Charger</i>	SSRG International Journal of Electrical and Electronics Engineering, Vol. 7, No.7, pp. 1-5, July 2020	UG	07	07
15	Dr. S Gopiya Naik	2020	IoT based Monitoring and Control of Faults in Power Distribution Transformers	SSRG International Journal of Electrical and Electronics Engineering, Vol. 7, No.12, pp. 37-41, December 2020	UG	07	12
16	Dr. S Gopiya Naik	2020	Arduino based Earthquake Detector using Accelerometer	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 9, No. 7, pp. 2003-2008, July 2020.	UG	09	07
17	Dr. S Gopiya Naik	2020	OTP based Lineman Security System	International Journal of Engineering Research and Technology, Vol. 9, No. 2, pp. 194-199, February 2020	UG	09	02
18	Dr. Mahesh Kumar K M	2023	Modeling and simulation of partial discharge and calibration Circuit for void in solid insulation	Journal of Data Acquisition and Processing Vol. 38 (1) 2023. https://sjcjycl.cn/ DOI: 10.5281/zenodo.7735496	UG	38	01
19	Dr. Mahesh Kumar K M	2022	Experimental investigation of partial discharge patterns of Mineral oil and synthetic ester oil	Advanced Engineering Science, Volume 54, Issue 02, December, 2022	UG	54	02
20	Dr. Mahesh Kumar K M	2021	“Breakdown Voltage and Partial Discharge Inception and Extinction Voltage Variations in Mineral, Natural and Synthetic Ester Oils”	Turkish Online Journal of Qualitative Inquiry (TOJQI) volume 12, Issue 7, July 2021: 6715-6722, https://www.tojqi.net/index.php/journal/article/view/4907	UG	12	07

21	Dr. Mahesh Kumar K M	2021	“A Comparative Study of Partial Discharge Pulse Time Characteristics of paper Insulation Impregnated with Mineral Oil, Natural Ester and Synthetic Ester Oil”,	Turkish online Journal of Qualitative Inquiry (TOJQI) Volume 12 No. 6, July 2021: 5626-5636, https://www.tojqi.net/index.php/journal/article/view/2380	UG	06	-
22	Dr. Mahesh Kumar K M	2021	“Analysis of Partial Discharge Patterns of Natural Ester Oil and Mineral Oil Used in Power Transformer”	Materials Today Proceedings an Elsevier Journal ISSN: 2214 53, 2001, https://doi.org/10.1016/j.matpr.2020.12.868	UG	-	-
23	Dr. Mahesh Kumar K M	2020	“Analysis of Phase Resolved Partial Discharge Patterns of Kraft Paper Insulation Impregnated in Transformer Mineral oil”	IEEE 2020 International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2020, pp. 1157-1161, doi: 10.1109/ICOSEC49089.2020.9215344	UG	-	-
24	Dr. Mahesh Kumar K M	2020	“Calibration of Partial Discharge Measuring System by a Reference Square Wave”	Test Engineering & Management, January-February 2020 ISSN: 0193-4120 Page No. 16276 – 1628 https://www.testmagzine.biz/index.php/testmagzine/article/view/3393	UG	48	-
25	Dr. Mahesh Kumar K M	2020	“Design of Matching Impedance and Amplifier Circuit for Partial Discharge Measurement”	International Journal of Advanced Science and Technology, vol. 29, no. 7s, (2020), pp. 2020-2026; http://sersc.org/journals/index.php/IJAST/article/view/12581	UG	29	07
26	B N Harish	2024	Photovoltaic Power Plant Performance Improvement with Electric Vehicle	SSRG International Journal of Electrical and Electronics Engineering	UG	Volume 11 Issue 4, 72-86,ISS	

			Integration: Integrated Control Strategies			N: 2348-8379/	
27	B N Harish	2023	Solar wind feed battery charging for electric vehicles using MATLAB simulink	International Journal Of Progressive Research In Engineering Management And Science (IJPREMS)	UG	03	07
28	B N Harish	2023	Bidirectional smart energy management charging from grid to vehicle and vehicle to load	International Journal Of Progressive Research In Engineering Management And Science (IJPREMS)	UG	03	07
29	B N Harish	2023	Power quality disturbance mitigation in grid connected photovoltaic distributed generation with plug-in hybrid electric vehicle	International Journal of Electrical and Computer Engineering (IJECE)	UG	Vol. 13, No. 6,pp. 6025~6036 , ISSN: 2088-8708,	
30	B N Harish	2022	A Review on power quality issues in electric vehicle interfaced distribution system and mitigation techniques	Indonesian Journal of Electrical Engineering and Computer Science Vol. 25, No. 2, February 2022, pp. 656~665 ISSN: 2502-4752, DOI: 10.11591/ijeecs.v25.i2.pp656-665	UG	25	02
31	B N Harish	2022	Comparison of DQ Method with I cosØ Controller in solar power system Connected to grid with EV load	International Conference on Distributed Computing and Electrical Circuits and Electronics ICDCECE-APR22,Ballari ,Karnatka DOI: 10.1109/ICDCECE53908.2022.9792847	UG	-	-
32	D M Srinivasa	2023	Review of PCB Motors: Advancements and Applications	Journal Of Emerging Technologies And Innovative Research (JETIR) ISSN: 2349-5162 ESTD Year: 2014	UG	10	06
33	D M Srinivasa	2023	Revolutionizing Energy Storage with 3-D Printable	Journal Of Emerging Technologies And Innovative Research (JETIR) ISSN: 2349-5162 ESTD Year: 2014	UG	10	05

			Batteries: A Comprehensive Review				
34	D M Srinivasa	2023	Design and fabrication of microcontroller based multipurpose robot	Journal Of Emerging Technologies And Innovative Research (JETIR) ISSN: 2349-5162 ESTD Year: 2014	UG	10	07
35	D M Srinivasa	2023	Investigation of Electrical properties of Indigenous Natural Ester Liquid used as Alternate to Transformer Insulation for Power System Applications	Indonesian Journal of Electrical Engineering and Computer Science(IJEECS) Vol.29, No. 2, February 2023, pp. 609~617	UG	29	01
36	D M Srinivasa	2022	Internet of Things(IoT) based Energy Tracking and Bill estimation System	International Journal of Engineering and Management Research e-ISSN: 2250-0758, Volume-12, Issue-3, June 2022	UG	12	03
37	D M Srinivasa	2021	Performance Analysis of Indigenous oil as Alternate to Transformer Insulation for Power System Applications	International Conference on Recent Trends in Science and Technology – ICRTST 2021 at ATME, Mysore	UG	-	-
38	D M Srinivasa	2020	Intoduction, History, Types and Application of Lithium ION Battery (A Review)	International Research Journal of Engineering and Technology (IRJET) Volume: 07 Issue: 12 Dec 2020	UG	07	12
39	D M Srinivasa	2020	Impact of Antioxidant and degasification on a new liquid dielectric suitable for transformer applications	European journal of molecular and clinical medicines, Vol 7, Issue 8, 2020, pp2634-2641	UG	07	08

40	D M Srinivasa	2020	Impact of Antioxidant and degasification on a new liquid dielectric suitable for transformer applications	2nd International conference on Topical transcends in science, technology & management (ICTTSTM-2020) at SaiVidya Institute of Technology, Bengaluru	UG	-	-
41	D M Srinivasa	2020	Investigation of Dielectric Properties of Indigenous Blended Ester oil for Electric system applications	Special Issue on Multidisciplinary Innovation in Engineering Science & Technology organized by Advances in Science, Technology and Engineering Systems Journal (ASTESJ), DOI:10.25046/aj050582 Volume 5, Issue 5, Page No 669-673, 2020	UG	05	05
42	D M Srinivasa	2020	Review on MPPT Techniques for Solar PV Array System	ISSN: 0474-9030 ,Vol-68-Issue-30-February-2020	UG	68	30
43	D M Srinivasa	2020	Fabrication of Bio-Battery for Home Automation	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering Vol. 8, Issue 7, July 2020 ISSN (Print) 2321-5526	UG	08	07
44	Dr. C Sunil Kumar	2023	Comparative Study Of Different Voltage Booster Circuit Arrangements	International Journal Of Progressive Research In Engineering Management And Science (Ijprems)	UG	03	06
45	Dr. C Sunil Kumar	2022	Power Quality Enhancement in Grid-connected PV System for Z Source Inverter with Seagull Optimization Algorithm	American Institute of Physics Conference AIP Conf. Proc. 2640, 020013-1–020013-11	UG	-	-
46	Dr. C Sunil Kumar	2022	Power Quality Improvement in Grid Integrated PV Systems with SOA Optimized	Journal of Electrical Engineering and Technology Published online, 23 August 2022(SPRINGER)	UG	-	-

			Active and Reactive Power Control				
47	Dr. C Sunil Kumar	2022	Bacterial Foraging and Seagull Optimization Algorithm based THD level Comparison for Fly back Converter in Grid Connected PV System	International Journal of Engineering Trends and Technology. Volume 70 issue 6, 379-394, June 2022	UG	70	06
48	Dr. C Sunil Kumar	2020	Bacterial Foraging Optimization Based Maximum Power Point Tracking for Photovoltaic System under Partially Shaded Condition with Interleaved Resonant Fly-back Converter	Test Engineering & Management ,International Conference on Electrical, Electronics & Computer Science (ICEECS), Deokali, UP Jan / Feb 2020	UG	82	-
49	Srinath M S	2024	Reliability analysis of PMSM drives processor for commercial electric vehicle utility	Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE)IEEE	UG		
50	Srinath M S	2022	Enhancement of Charging Efficiency of Batteries for Electric Vehicles: Review	2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT)	UG	-	-
51	Srinath M S	2023	OCC Design for N-Clock Domain for Low Cost ATE Platforms	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE),Vol.10, July 2022	UG	10	-
52	Srinath M S	2020-21	A Review on MPPT Techniques for Solar PV Array System	National Conference on Developments in the domain of Engineering Sciences	UG	68	30

53	Srinath M S	2020-21	Optimized ALU with BIST implementation using encounter platform	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE), Vol.8, Issue 7, July 2020	UG	08	07
54	Srinath M S	2023	A self driving car implementing machine learning with Image processing	International Journal Of Progressive Research In Engineering Management And Science (Ijprems)	UG	03	07
55	Anusha M K	2023	Electricity generation from waste heat of thermal power plant by using thermoelectric generator	Journal Of Emerging Technologies And Innovative Research (JETIR) ISSN: 2349-5162, JETIR July 2023, Volume 10, Issue 7	UG	10	07
56	Anusha M K	2023	Modern Smart street Light monitoring systems	International Journal for research in applied science & Engineering Technology(IJRASET),ISSN:2321-9653, Volume 11, Issue 09,SEP 2023	UG	11	09
57	Sukanya H N	2023	Wireless Charging Of electric vehicles by ZVS-IPT Topology	International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS), e-ISSN : 2583-1062, ijprems ,June 2023, Volume 03, Issue 06	UG	03	06
58	Gaana H	2023	Location Detection for wireless charging of electric vehicle with real time tracking system	International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS), e-ISSN : 2583-1062, ijprems ,June 2023, Volume 03, Issue 06	UG	03	06
59	Gaana H	2023	Modern Smart street Light monitoring systems	International Journal for research in applied science & Engineering Technology(IJRASET),ISSN:2321-9653, Volume 11, Issue 09,SEP 2023	UG	11	09

60	Sushmitha K R	2023	Quality Control in Production line using Robotic Arm	Journal of Emerging Technologies and Innovative Research Volume 10, Issue 7,13July 2023	UG	10	7
61	Chethan H R	2023	GCSC and TCSC Implementation in DFIG Based Wind Farm to Mitigate Sub Synchronous Resonance	2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT)	UG	-	-
62	Chethan H R	2023	Sub-synchronous resonance in wind energy integrated grid – problem and mitigation techniques - a review	International Journal of Power Electronics and Drive Systems (IJPEDS) Vol. 13, No. 3, September 2022, pp. 1870-1886 ISSN: 2088-8694, DOI: 10.11591/ijpeds.v13.i3.pp1870-1886	UG	13	03
63	Chethan H R	2022	Stability Enhancement of DFIG Wind Farm Using SSSC With FOPID Controller	<i>Indonesian Journal of Electrical Engineering and Informatics</i> ,Vol.11,No.1, March 2023,pp.25-35	UG	11	01
64	Chethan H R	2022	Transient stability enhancement using optimized PI tuning of static synchronous series compensator in wind power conversion system	Frontiers in Energy Research,10.3389/fenrg.2023.1125408,10 february 2023	UG	-	-
65	Chethan H R	2022	Performance Studies on SSSC and TCSC for Transient Stability Improvement of Power System	5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT) 10-11, December 2021	UG	10	11
66	Chethan H R	2020	Stability Improvement Using SSSC in Synchronous Generation	Advances in Communication, Signal Processing, VLSI and Embedded Systems, Springer Nature Singapore Pte Ltd. 2020	UG	-	-

			System with PMSG-Based Offshore Wind Farm				
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P.E.S. College of Engineering, Mandya-571401.

P.E.T Research Centre

AY-2020 JAN-DEC

Guide Details

Sl. No	AY-YEAR	No.Of.Guides	No.Of.Scholars	Remarks
01	2018-2022	1	4	-

GUIDE DETAILS

Sl.No	Name of Guide	Name of Scholars	Current Status
1.	Dr. S Gopiya Naik	Rupa Kumar Dhanavath	colloquium completed
2.	Dr. S Gopiya Naik	N. Venkata Sai chand	colloquium held
3.	Dr. S Gopiya Naik	Gauthami Reddy	Defence Pending
4.	Dr. S Gopiya Naik	Nagananda R	Research work in progress