



**KJ'S EDUCATIONAL INSTITUTES
TRINITY COLLEGE OF ENGINEERING AND RESEARCH PUNE**

(Accredited by NAAC with A+ Grade Approved by AICTE & Affiliated to SPPU, Pune)
Sr. No. 25 & 27, Near. Khadi Machine Chowk, Kondhwa Annexe, Pune-48, Maharashtra
DEPARTMENT OF ELECTRICAL ENGINEERING

Research & Publications: -

Academic Year	Author Name	Paper Name	Journal/ Conference Name	Year, Month, Vol, Issue, Page no.
2023-2024	Prof. J.V.Satre Pruthviraj Limkar, Rahul Borkar, Muin Shikalgar, Pradeep Suryavanshi	Electric Vehicle Charging Station	International Journal of Innovative Research in Science, Engineering and Technology	Volume 13, Issue 4, April 2024
	Prof.J.V.Satre, Dhanashri Pokharkar, Shubham Rawool, Sachin Gorei	MATLAB/ SIMULINK Based study on Battery Management System	International Journal of Innovative Research in Science, Engineering and Technology	Volume 13, Issue 6, April 2024
	Prof.S.A. Gour ,Prathamesh Pawar, Krunali Borkar, Shrirang Morale	IOT based Railways Track fault detection System	International Journal of Innovative Research in Science, Engineering and Technology	Volume 13, Issue 4, April 2024
	Prof.Sachin Tayade , Rushikesh Gaul, Aditya Shinde, Harshada Shinde, Sidhesh Sanap	Regeneration of Electricity in E-Bicycle using Regenerative braking System	International Journal of Innovative Research in Science, Engineering and Technology	Volume 13, Issue 4, April 2024
	Prof. Prasanna Pothi, Aadesh Pawar, Abhijit Raut, Anmol Pagare	Intelligent Solar Water Pump	International Journal of Innovative Research in Science, Engineering and Technology	Volume 13, Issue 4, April 2024
	Snehal Raut, Sayali Jadhav, Yash Nikam	Design and Development of Blind Turn Alert Signal	International Journal of Innovative Research in Science, Engineering and Technology	Volume 13, Issue 4, April 2024
	prof. Shruti Gour, Swaraj kadam, Punit Patil,	BLDC Motor Speed Control with RPM Count	International Journal of Innovative Research in Science, Engineering and Technology	Volume 13, Issue 4, April 2024
	Prof. A. Sonkamble, Shelar Gajanan, Sonkamble Dhanashri, Shaikh Sadiya, Syed Afzaluddin	Hybrid Solar Inverter	International Journal of Innovative Research in Science, Engineering and Technology	Volume 13, Issue 4, April 2024
	Prof. M.M.Kharade , Pranay Kolekar, Shubham Patil, Omkar Waghmare, Bhuvaneshwari Bhosale	Regeneration of Electricity through heat dissipated with Li-ion battery in EV vehicle	International Journal of Innovative Research in Science, Engineering and Technology	Volume 13, Issue 4, April 2024
	Prof.Punam M.Chabukswar, Tushar Navnath Rathod, Sachin Rameshwer Rathod, Avinash ulhas Jadhav, Pratik Sanjay Navale	Speed and Direction Control of DC Motor through WiFi Using Arduino	International Journal of Advanced Research in Education & Technology (IJARETY)	Volume 11, Issue 2, March 2024



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2022-2023	Prof. J.V.Satre	The Impact of Renewable Energy Generators On Thermal Power Plant Cycling	International Research Journal of Human Resource and Social Sciences	Volume 9, Issue 12, December 2022
	Prof. S A Gour , Sanket Katte, Sanket Gaikar, Rushikesh Gujar, Chimane Kajal	Smart Farming Using Automation	3rd National Conference on Cognitive Computing NCCC-2023	2022-2023
	Prof. S A Gour , Pratik D. Salunke, Pallavi A. Bhusari, Surbhi A. Dakhole, Abhishek V. kad	Smart Car Parking System Using Automation	International Journal of Creative Research Thoughts (IJCRT)	Volume 11, Issue 5 May 2023
	Prof. S A Gour ,Pratik D. Salunke, Pallavi A. Bhusari, Surbhi A. Dakhole, Abhishek V. kad	Smart Car Parking System Using Automation	International Journal of Scientific Research in Engineering and Management (IJSREM)	2022-2023
	Prof. J.V. Satre, Akshay R. Meher, Sudarshan B. Masure , Sangram R. Thule, Sujit N. Bhand	IOT and Solar based E-uniform for soldiers with real time tracking	International Journal of Creative Research Thoughts	Volume 11, Issue 5 May 2023
	Prof. Dr. Akhilesh Mishra , Pratik pramod pimpale, Shubham chandrakant pawar, Ghodke Omkar Gendaji	Battery monitoring System	International Journal of Creative Research Thoughts	Volume 11, Issue 5 May 2023
	Prof. Dr. Akhilesh Mishra, Raut Sanket V., Vibhute Shruti P., Taklikar Sneha U.	Solar Operated E V Parameter Monitoring Using IOT	International Journal of Innovative Research in Science, Engineering and Technology	2022-2023
	Prof. S A Gour , Sanket Katte, Sanket Gaikar, Rushikesh Gujar, Chimane Kajal	Smart Farming Using Automation	International journal of creative research thoughts (IJCRT)	Volume 11, Issue 5 May 2023
	Prof, Rajini Kumari , Mohit Gaikwad, Abhilash Muneshwar , Omprakash Todkar Kunal Dhote	Evaluating Face Recognition The Correct Way	International Journal of Creative Research Thoughts	Volume 11, Issue 5 May 2023
	Prof.Swapnil Dhage, Yogesh A. Kamble, Vijay E. Shinde, Pranali A. Thorat, Rushikesh T. Mhoptare	Solar Powered cricket Stadium	International Journal of Creative Research Thoughts	Volume 11, Issue 5 May 2023



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	Prof. Rajni Kumari , Aditya S. Sonawane, Sanskar S. Patil , Ayush B. Kalane, Yogesh G. Bhojane	Room light controller using Raspberry pi based CCTV surveillance system	International Journal of Creative Research Thoughts	Volume 11, Issue 5 May 2023
	Prof S. Golande, Tengale Sameer, Balkar Akshay, Pawar Tejas, Awaghde Santosh	IOT based smart Helmat	International Journal of Innovative Research in Science, Engineering and Technology	2022-2023
	Prof Renuka Kelapure, Bangad Raviraj, Jathar Saurabh, Jagtap Prithviraj, Chavan Rajashree	Smart Agricultural Monitoring System Using IOT	International Journal of Creative Research Thoughts	Volume 11, Issue 5 May 2023
	Prof. J.V. Satre, Zanjad Rutuja, Marathe Kedar, Wagh Akash, Jagtap Rutuja	Design of an intelligent MPPT based on ANN using a real photovoltaic system	International Journal of Innovative Research in Science, Engineering and Technology	2022-2023
	Prof Rajni Kumari, Maniyar Arshad, Halkare Prajwal, Dahale Rushikesh	Wireless Communication Based Water Surface Cleaning Boat	International Journal of Innovative Research in Science, Engineering and Technology	2022-2023
2018-2021	Prof. J.V.Satre	Development of LSTM Neural Network for Predicting Very Short Term Load of Smart Grid to Participate in Demand Response Program	Book Chapter in Data Management, Analytics and Innovation Springer, Singapore	pp.301-311 Jan 2021
	Prof. J.V.Satre	Decarburization of The Energy System and The Role Renounceable Energy	International Journal in Management and Social Science	Volume 09 Issue 11, November 2021 I
	Prof. J.V.Satre	Estimating Inertia Support at Identified Sensitive Nodes to Mitigate the Effect of Reduced Inertia Due to Increased Penetration of Renewable Energy Generation in a Power System	International Conference On Impact of Changing Energy Mix in the Power Sector Organized by The Institution of Engineers (India) West Bengal State Centre 23-24	Nov. 2019
	Prof. J.V.Satre	Deviation Settlement Mechanism Linked with Market Price in Indian Power Sector	2018 IEEE International WIE Conference on Electrical and Computer Engineering (WIECON-ECE)	Dec 2018



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2012-2015	Jyoti Agrawal and S. B. Bodkhe	Hardware Implementation of Sensor less SMPMSM Drive for Wide Speeds Using Modified MRAS and DC Link Quantities based on dsPIC33E DSC	18th IEEE Int. Conf. on Electrical Machines and Systems (ICEMS)	25-28 October 2015
	Jyoti Agrawal and S. B. Bodkhe	Low Speed Sensor less Control of PMSM Drive Using High Frequency Signal Injection	12th IEEE India Int. Conf. INDICON 2015	2015
	Sanjay Bodkhe, Mohan Aware, Jagdish Chaudhari and Jyoti Agrawal	Speed estimator for induction motor drive based on synchronous speed tracking	Sadhana - Academy Proceedings in Engineering Science, Indian Academy of Sciences & Springer	25th June 2015
	Soniya Joshi	Newton based optimal flow implementation in a power system simulation environment	5th Brunei international conference on Engineering and Technology	1-3 November 2014
	Velhal G, Pujara A, Bakre S. M, Muralidhara V.	On progress of communication infrastructure for fault location and ABT metering	Wireless Computing and Networking (GCWCN), 2014 IEEE Global Conference	Pages: 47 – 50 Year: 2014
	Gaikwad V. S, More Swati S	Reactive power loss & efficiency calculation using load flow technique in distribution system for a pune city	IJCSI	Vol-1 issue no.4, PP. 49-52, Feb. 2012