

BHARATI VIDYAPEETH (DEEMED TO BE) UNIVERSITY
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Summary of Student Research Publication (2020-21 to 2025-26)

Sr. No.	Academic Year	No. of Research Papers Published in				Total	No. of Research Papers listed in standard databases		
		Journal		Conference			Scopus	Web of Science	Google Scholar
		IJ	NJ	IC	NC				
1.	2025-26	24	0	25 +Book chapter-1	00	50	12	01	50
2.	2024-25	07	0	05, Book chapter:01	02	15	09	00	15
3.	2023-24	12	0	04	00	16	12	00	16
4.	2022-23	24	0	03	00	27	12	11	27
5.	2021-22	44	0	01	00	45	03	11	45
6.	2020-21	23	0	02	00	25	05	1	25
Total		134	00	42	02	178	53	24	178

Academic Year 2025-26

International Journal

Sr. No.	Author (s)	Complete Title of the Article	Title of the Journal	Volume & Issue Number	Page Nos.	Month and Year of Publication	ISSN	Impact Factor	Listed in Standard Databases (Y/N)			Citations
									Scopus	Web of Science	Google Scholar	
1.	Prashant Chandrashekhar Malagi, R.M. Holmukhe, R.S. Desai	Net Zero Energy Buildings in India - A Case Study	International Journal of Engineering Trends and Technology	Vol. 73, No. 7	Pg.No. 583-592	July 2025	ISSN: 2231 - 5381	0.228	Y	N	Y	0
2.	Utkarsh Alset, Datta Chavan, Ashwini Pawar, Panchshila Pillewar, Snehal Andhale	Revolutionizing EV Performance Prediction: Non-Linear Battery Models and Real-World Urban	International Journal of Environmental Sciences	Volume:11, Issue No.5, 2025	Pg. No.591-600	July 2025	ISSN: 2229 - 7359	1.4	N	N	Y	0
3.	Yogesh B. Mandake, Deepak S. Bankar, Amit L. Nehete	Torque ripple minimization and performance	Indonesian Journal of Electrical Engineering	Volume:39, Issue No.1	Pg.1-9	July 2025	ISSN: 2502 - 4752	0.787	N	N	Y	0

		ce enhancem ent of switched reluctance motor for electric vehicle application	ng and Computer Science									
4.	Mirza Ayad Baig, Sachin Sharma, Ziyan Raut, Siddharth Ningthoujam, Prof. Yogesh Mandake, Dr. R.M.Holmukhe	Automatic Power Factor Measurem ent and Correction Device for Improvem ent of Power Quality	Internatio nal Journal of Electrical Engineeri ng and Ethics	Volu me:8, Issue No.4	Pg.1-6	July- August 2025	ISSN: 2455 - 9771	-	N	N	Y	0
5.	Sindhuja Vispute, Asmit Drolia, Aayush Doke, Rogit Taile, Prof. Ayesha Sayyad	Vision and Weight Sensor Fusion for an Autoated Hospital Waste Sorting System: A Practical Approach to Safer Healthcare	Internatio nal Journal of Scntific Research in Science and Technolo gy	Volu me:1 2, Issue: 5	Pg.360 -374	September -October 2025	ISSN: 2395 - 6011	-	N	N	Y	0

		Waste Managemen										
6.	Sahil Chandorkar , Siddhesh Akhade , Yash Phale , Ayesha Sayyad	Deep Learning in medical image analysis	International Journal of innovative research in technology	Volume 12 Issue 5	Pg.1078-1081	October-2025	ISSN: 2349 - 6002	8.017	N	N	Y	0
7.	Ayesha Asif Sayyad , Vivendra Kumar , Yashraj Vhalgade	Optimizing Neural Networks for Deployment on IoT and Mobile Devices using Deep learning	International Journal of innovative research in technology	Volume 12 Issue 5	Pg.601-613	October-2025	ISSN: 2349 - 6002	8.017	N	N	Y	0
8.	Yogesh Thakur, Anudeep Dash, Ayush Kumar Patel, Ayesha Sayyad	A Comprehensive Review of Explainable AI (XAI) Methods in Deep Learning	International Journal of Scientific Research in Science and Technology	Volume 12 Issue 5	Pg.333-352	October-2025	Print ISSN: 2395 - 6011 Online ISSN: 2395 - 602X	9.154	N	N	Y	0

9.	Shreyash Jichkar, Prof Ayesha Asif Sayyad	WATTY-A Water Surveillance and Cleaning Robot	International Journal of Scientific Research in Science and Technology	Volume 12 Issue 5	Pg.293 -298	October- 2025	Print ISSN: 2395 - 6011 Online ISSN: 2395 - 602X	9.1 54	N	N	Y	0
10.	Amit L. Nehete, Deepak S.Bankar, Shataram K. Dond,Chetan B. Khadse	Polar features analysis of electromagnetic field signatures for non- intrusive transmission line fault diagnosis	Journal of Integrated Science & Technology	Volume:1 4 Issue: 2	Pg.1- 14	January- 2026	ISSN: 2321 - 4635	2.3	Y	N	Y	0
11.	Mr. Swapnil A. Namekar, Aaditya Vijay Ghanwat, Aditya Atul Bhongale, Om Sudam Dalavi, Vishvajit Rajendra Pawar	PowerPulsePro: Smart Energy Metering System (IoT-Based Smart Energy Meter with Tamper	International Journal of Research Publication and Reviews	Volume:7 Issue: 5	Pg.484 9-4857	May-2026	ISSN: 2582 - 7421	-	N	N	Y	0

		Detection)										
12.	Karan Patil, Parth Bhosale, Meet Pagar, Suyog Patil, Rupali Salunke	Smart Buzzer with Application control System	International Journal of Advanced Scientific Research and Engineering	Volume:10 Issue: 1 (S)	Pg.71-75	June-2026	ISSN: 2456 - 0774	-	N	N	Y	0
13.	Narendra P. Zinjad, Deepak S. Bankar, Umesh T. Kute	A Hybrid-Controlled Dual-Input DC-DC Converter for Multi-Source Energy Systems	Journal Européen des Systèmes Automatisés	Vol. 59, Issue No. 6	Pg158 51-1605	June-2026	ISSN: 2116 - 7087	-	Y	N	Y	0
14.	Akshay Bhoravkar, Ashish Bhikule, Navishtha Sharma, Rahul Dhumal, Ayesha Sayyad	Fake News detection using NLP	International Research Journal of Modernization in Engineering Technology and Science	Vol. 8, Issue No. 4	Pg.575 3-5758	April-2026	ISSN: 2582 - 5208	8.1 87	N	N	Y	0

15.	Ayesha Sayyad, Rushikesh Naresh Babar, Aditya Raj, Shlok Kumar, Sahil Yadav	A Self- Adaptive Machine Learning Framework for Continuou s Health Risk Assessmen t Using IoT Data Streams	Internatio nal Journal of Innovativ e Research in Technolo gy	Vol. 12, Issue No. 11	Pg.697 4-6979	April-2026	ISSN: 2349 - 6002	8.4 12	N	N	Y	0
16.	Vedant Tayade, Utkarsh Raj, Mrs. Ayesha Sayyed	Face recognitio n based attendance system	Internatio nal Research Journal of Moderniz ation in Engineeri ng Technolo gy and Science	Vol. 8, Issue No. 4	Pg.543 5-5447	April-2026	ISSN: 2582 - 5208	8.1 87	N	N	Y	0
17.	Aditya Bhongale, Aaditya Ghanwat, Prof. Vishal V. Mehetre	3 Bus Power System Load Flow analysis using ETAP for various operating conditions	Internatio nal Journal of Creative and Open Research in Engineeri ng and Manage	Vol. 2, Issue No. 5	Pg.1-7	May-2026	ISSN: 3108 - 1754	3.5	N	N	Y	0

			ment									
18.	Prof. Vishal V. Mehtre1, Mr. Parth Harpale, Mr. Harshal Shilwant	Smart Grid AI Fault Detection using Ensemble Learning for Indian Transmission Networks	International Journal of Creative and Open Research in Engineering and Management	Vol. 2, Issue No. 5	Pg.1-3	May-2026	ISSN: 3108 - 1754	3.5	N	N	Y	0
19.	Utkarsh Alset,Datta Chavan,Snehal Andhale,Panchshi la Pillewar	Refining EV drive patterns: effects on range, reliability enhancement, and safety assurance	Life Cycle Reliability and Safety Engineering : A Journal of SRESA)	Vol. 15, Issue No. 2	Pg.395 -404	June-2026	ISSN: 2520 1352	2.4	Y	N	Y	0
20.	Raviraj Vilas Kadam, M. Rajesh Holmukhe, Megha Vengurlekar	Paradigm Shifts in Regulatory Framework Governing Solar Net Metering in Maharasht	Water and Energy International	Vol. 68r, Issue No. 11	Pg.43-47	July-2026	ISSN: 0974 4207	0.6	Y	N	Y	0

		ra & Distributio n Licensee's Perspectiv e										
21.	Atharva Tanpure, Ayushi Singh, Rutwij Soundalgekar, Shreyas Sakpal	Visionindu s: Zero- shot industrial componen t identificati on using LLAMA vision and paddleocr with real time market pricing	Internatio n Research Journal of Medrniza tion in Engineeri ng Technolo gy and Science	Vol. 8, Issue No. 4	Pg.126 67- 12675	April-2026	ISSN: 2582 - 5208	8.1 87	N	N	Y	0
22.	Vishaka Patil, Akriti Sinha, Shreya Anand, Swati Priya, Ayesha Asif Sayyad	Full Stack Doctor Appointme nt Booking System	Open Access Internatio nal Journal of Science and Engineeri ng	Vol. 9, Issue No. 1(s)	Pg.161 -174	June-2026	ISSN: 2456 - 3293	5.8 56	N	N	Y	0
23.	Priyanshu Karn, Rajashri Bhamare, Vikas	A unified digital platform	Internatio nal Journal of	Vol. 15, Issue	Pg.801 4-8027	May-2026	ISSN: 2319 -	9.9 35	N	N	Y	0

	Choudhary, Gayatri Kadam, Prof.Vishal Mehtre	for B2B business expense manageme nt and operations optimizatio n	Innovativ e Research of Science, engineeri ng and Technolo gy (IJIRSET)	No. 5			8753					
24.	Raviraj V.Kadam,Rajesh M.Holmukhe,Pra vin Ganvir	Agricultura l Solarisatio n in Maharasht ra : An Overview of the Policy Landscape	Water and Energy Internatio nal Journal	Vol. 69r, Issue No. 3	Pg.24- 30	June-2026	ISSN: 0974 4207	NA	Y	N	Y	0

International Conference

Sr. No.	Title of the paper	Name of the Author(s)	Name of the Conference	Date	Location	Listed in Standard Databases (Y/N)			Citations
						Scopus	Web of Science	Google Scholar	
1	LSTM Network Driven transmission Line fault classification using non-contact	Amit L. Nehete and Deepak S. Bankar	International Conference on Responsible, Risk- aware and regulated AI	3 rd and 4 th April 2026	BV(DU)COE, Pune	Y	-	Y	0

	electromagnetic field measurements		(RRRAI-2026)						
2	Vehicle-to-Grid (V2G) Systems in Smart Grids: A Review and Case Study on AI-Based Energy Management and Grid Stabilit	Vishal V. Mehtre, Dr. D. S. Bankar, Swapnil Namekar, Ipshita Katoch, Pragati Rai, Ujjwal Patidar, Noor Kazi	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3 rd and 4 th April 2026	BV(DU)COE, Pune	N	-	Y	0
3	LifePredict:A Lifestyle-based health prediction system using machine learning and digital twin	Dr. Yogesh B. Mandake,Hiral Rikhye,Om Kumar singh,Aditi Gautam,Varnit Singh	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3 rd and 4 th April 2026	BV(DU)COE, Pune	N	-	Y	0
4	AgroSmart: An Intelligent agricultural assistant for farmers using SaaS- based AI/ML architecture	Dr. Yogesh B. Mandake, Ankur Kumar Dubey, Abhinav Kumar Singh, Madhusudan Kumar	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3 rd and 4 th April 2026	BV(DU)COE, Pune	N	-	Y	0
5	Design optimization algorithm: A novel method for design optimization of PMSM	Rupalee S. Ambekar, Yogesh B. Mandake,	International Conference on Responsible, Risk-aware and regulated AI	3 rd and 4 th April 2026	BV(DU)COE, Pune	N	-	Y	0

		Dr.Rajesh M Holmukhe	(RRRAI-2026)						
6	Responsible AI -Driven Design of a Hybrid Magnet Assisted PMSM for improved torque and energy efficiency	Rupalee Ambekar, Harshal Shilwant, Mayur Devkar, Parth Harpale	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3 rd and 4 th April 2026	BV(DU)COE, Pune	N	-	Y	0
7	Hybrid AI models for enhanced harmonic source localization in renewable -dominated microgrids	Harshwardhan Sachin Pande, Prof. Rpalee S. Ambekar, Prof. Rajesh M. Holmukhe	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0
8	Responsible and risk-aware integration of Artificial Intelligence in Electric Machines: A Framework	Rupalee Ambekar, Rajesh Holmukhe, Parth Harpale, Harshal Shilwant, Mayur Dekar	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0
9	AI Based Temperature Sensor Monitoring	Astitva Gourav, Prof. Rupalee Ambekar, Dr. R.M.Holmukhe	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0
10	Analysis of voltage	Mrs.Jyoti	International	3rd and	BV(DU)COE,	N	-	Y	0

	profile of agriculture feeder using real time data and validation of result using openDSS	Kulkarni, Dr.D.S.Bankar, Miss Akshata Kumbhar, Miss Vaishnavi Dhane	Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	4th April 2026	Pune				
11	A responsible and risk-aware hybrid AI control framework for dual-input DC-DC converters	Narendra P. Zinjad, Deepak S.Banlar	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0
12	Power quality analysis of research institute Pune	Dr.D.S.Bankar, Vishal V. Mehtre, Girisha Mahajan, Devika Dighe, Karan Patil, Shivam Dangare	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0
13	PULSE: A Predictive unified learning system for health evaluation using multi-disease machine learning frameworks	Prof. Runal Pawar, Nagiseti Surya, Pranjal Sharma, Vibhor Anshuman Roy	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0
14	A Low-Cost PLC Setup for Educational Use: Transforming Existing Equipment into Comprehensive	Sneha Arvind Ojha, Paakhi Kumari, Priyanshi Mishra,	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0

	Automation Training	Swapnil A. Namekar							
15	Automated and manual watering system for substation earthing using sesnsors for electric safety	Dr. Rajesh M Holmukhe, Prof.Vinod Karande, Prathamesh Pawar	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0
16	Design and development of AI powered platform for inclusive learning of differently abled students	Anushka Alhat,Priyal Sethi,Dr. Rajesh M Holmukhe	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0
17	Pneumatics Systemsa - Automation in PLC	Dr. Rajesh M Holmukhe,Kush Jain	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0
18	Smart waste segregation & recycling system	Dr. Rajesh M Holmukhe,Rup ali Salunke,Runal Pawar,Vighnes h Padwal,Hamza Shaikh	International Conference on Responsible, Risk-aware and regulated AI (RRRAI-2026)	3rd and 4th April 2026	BV(DU)COE, Pune	N	-	Y	0
19	PLC-based greenhouse irrigation and climate	Kush Redasani,Nisha	2 nd International Conference on recent advances	22/4/2026 and 23/4/20	Bharati Vidyapeeths College of	N	-	Y	0

	management system	nt Bodkhe,B Jatin, Dr. Rajesh Holmukhe	in engineering & sciences 2026 (ICRAES-2K16)	26	Engineering, Lavale, Pune				
20	Evaluating Four- Wheeled EV Efficiency in Pune: A Machine Learning Approach to Region-Specific Drive Cycles	Utkarsh Alset,Datta Chavan,Ashwin i Pawar,Jyoti Pedram,Panchs hila Pillewar,Snehal Andhale	International Conference on Electric Power and Renewable Energy (EPREC), Durg, India, January 2026	January 2026	Durg, India	Y	N	Y	0
21	Artificial Intelligence in Healthcare Management for Predictive Maintenance of Machines	Pranav Paithanar,Utkarsha Pacharaney, KTV Reddy,Rajesh Holmukhe,Datta Chavan	2025 3 rd DMIHER International Conference on Artificial Intelligence in Healthcare, Education and Industry (IDICAIHEI) (28-29 Nov.2025)	28-29 Nov.2025	Wardha, India	Y	N	Y	0
22	Smart Hybrid Solar Dryer with Real-Time Monitoring and Adaptive Control for Enhanced Drying Efficiency	Sachin P Jadhav, Datta S Chavan, Digvijay Kanase, Rajesh Bulbule, Swapnil D Patil	2025 International Conference on Future Technologies, ICFT 2025	7-8 Nov.2025	Sangli, India	Y	N	Y	0
23	Advancing Electric Vehicle Efficiency	Utkarsh Alset,Datta	2025 IEEE 2nd International	11-13 October	Jamshedpur, India	Y	N	Y	0

	Forecasting: Nonlinear Battery Frameworks and Empirical City Driving Profiles	Chavan,Ashwin i Pawar,Panchshi la Pillewar Snehal Andhale	Conference on Green Industrial Electronics and Sustainable Technologies (GIEST) (11-13 October 2025)	2025					
24	Enhancing E-Bike Efficiency with AI: A Study on Travel Distance Prediction Using Random Forest	Swaroop Bhosale,Chava n D.S.,	IEEE International Conference on Electrical, Computer and Energy Technologies, ICECET 2025 (3 July-6July 2025)	3 July-6July 2025	Paris, France	Y	N	Y	0
25	Optimizing Electric Vehicle Performance: Simulation-Based Analysis of Pune-Specific Drive Cycles Using Regression Models	Utkarsh Alset,Datta Chavan,Ashwin i Pawar,Jyoti Pedram,Panchs hila Pillewar,Snehal Andhale	5th International Conference on Electromechanical and Energy Systems, SIELMEN 2025 (16 Oct-18 Oct 2025)	16 Oct-18 Oct 2025	Iasi, Romania	Y	N	Y	0

Book chapter

Sr. No.	Title of the paper	Name of the Author(s)	Title of book/book	Month and	ISBN/IS	Listed in Standard Databases (Y/N)	Citations
---------	--------------------	-----------------------	--------------------	-----------	---------	------------------------------------	-----------

			chapter published	Year of Publication	SN	Scopus	Web of Science	Google Scholar	
1	The New Age of Artificial Intelligence/AI in VLSI Design and Semiconductor Manufacturing	Ayesha Asif Sayyad	The New Age of Artificial Intelligence/AI in VLSI Design and Semiconductor Manufacturing (Publisher: Crown Publishing)	August-2025	ISBN: 978-93-7424-321-3	N	N	Y	0

Academic Year 2024-25

International Journal

Sr. No.	Author (s)	Complete Title of the Article	Title of the Journal	Volume & Issue Number	Page Nos.	Month and Year of Publication	ISSN	Impact Factor	Listed in Standard Databases (Y/N)		
									Scopus	Web of Science	Google Scholar
1.	Ritika Asati, Deepak S.Bankar, Vinay Kumar Jadoun, Majed A. Alotaibi, Hasmat	Improved Reduced Switch Converter Topology for	International Journal of Mathematical,	Vol. 9, No. 5	Pg.No. 1019-1034	October 2024	ISSN: 2455-7749, DOI: 10.338	1.3	Y	Y	Y

	Malik, Fausto Pedro García Márquez	Torque Ripple Reduction in Four-Phase Switched Reluctance Motor Under Dynamic Loading	Engineeri ng and Manage ment Sciences				89/IJ MEMS .2024. 9.5.05 3				
2	Amit L. Nehete, Deepak S. Bankar, Ritika Asati, Chetan Khadse	Non-contact power system fault diagnosis: a machine learning approach with electromagn etic current sensing	Indonesi a Journal of Electrical Engineeri ng and Computer Science	Vol. 36, Issue No. 3	Pg.No. 1356- 1364	December- 2024	ISSN: 2502- 4752, DOI: 10.115 91/ije ecs.v3 6.i3	-	Y	N	Y
3	Rishikesh Baghel, Shivpal Singh, Chetana Mahajan, Yogesh B. Mandake and Deepak S. Bankar	Study and Simulation of Switched Reluctance Motor Drive Circuit for EV Application	Journal of Mines, Metals and Fuels	Vol. 17, Issue No. 12	Pg.No. 207- 217	December- 2024	ISSN: 0022- 2755	-	Y	N	Y
4	Mr. Sagar Subhash Chikurdekar, Prof. Yogesh. B. Mandake, Dr. Deepak. S.	Electric Vehicle Battery charging Estiation by ANN and	Journal of Informati on Systems Engineeri ng and	Vol. 10, Issue No. 42 (S)	Pg.No. 1231- 1243	May 2025	ISSN:2 468- 4376	-	Y	N	N

	Bankar	Fuzzy Logic	Management								
5	Prashant Chandrashekar Malagi, R. M. Holmukhe, R. S. Desai, Rupali Ambekar	Net Zero Energy Buildings in India- A Case Study of Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune, India	International Journal of Engineering Trends and Technology	Volume X Issue X	Pg.No. 1-4	May 2025	ISSN: 2231-5381	5.2 10	Y	N	Y
6	Mukund S.Mahagaonkar, Datta S Chavan	Field Oriented control of Permanent Magnet Synchronous Motor Used for Solar Water Pump	International Journal of Environmental Sciences	Volume:13, Issue: 2	Pg.No. 2577-2582	February-2025	ISSN:2455-6211	8.5 36	N	N	Y
7	Prof. V.J. Shinde1Dr. Padmanabh U. Veer, Dr. Pradeep B Kodag, Dr. Datta S. Chavan, Prof. Sudarshan D. Talegaonkar,	A Novel Solar Air-Cooling System Featuring 360-Degree Air Dispersion and Battery-Based Energy	International Journal of Environmental Sciences	Volume:11, Issue No.4S ,2025	Pg.No. 1311-1319	May 2025	ISSN:2229-7359	1.4	Y	N	Y

	Prof. Shashikant C Suryawanshi, Dr. Anand Shinde	Storage								
--	--	---------	--	--	--	--	--	--	--	--

International Conference

Sr. No.	Title of the paper	Name of the Author(s)	Name of the Conference	Date	Location	Listed in Standard Databases (Y/N)		
						Scopus	Web of Science	Google Scholar
1.	Torque ripple assessment of converter topologies for switched reluctance motor	Ritika Asati, Deepak S.Bankar,Amit L. Nehete	IEEE 3 rd International Conference on Electrical Power and Energy Systems, ICEPES 2024	21-22 June 2024 (Paper published in September 2024)	MANIT, Bhopal	Y	N	Y
2.	Torque Ripple Reduction Strategies in Switched Reluctance Motor Using Electromagnetic Computing Tool: A Study for Electric Vehicle Applications	Yogesh B.Mandake, Deepak S.Bakar, Ritika Asati	International Conference on Signal, Machines, Automation, and Algorithm (SIGMAA 2023),	15-16 December 2023. (Paper published in December 2024)	New Delhi, India	Y	N	Y
3	Harmonic Measurement and Analysis in Manufacturing Industry: Case Study	Deepak Bankar, Sachin shelar, Praveen Kumar Singh	International Conference on Harmonics and Quality of Power, ICHQP-2024	15 th - 18 th October -2024	Chengdu, China	Y	N	Y

4	Review of revisions of IEEE 519 Standard on Power System Harmonics (1981 to 2022)	Sachin shelar,Deepak Bankar,Shashikant Bakre	International Conference on Harmonics and Quality of Power,ICHQP-2024	15 th - 18 th October -2024	Chengdu, China	Y	N	Y
5	Membraneless Microfluidic Fuel Cell for Powering Pacemakers	Swapnil Namekar	International Conference on CyberTech and smart Systems (ICCSS 2025)	9 th - 10 th May 2025	Akurdi, Pune	N	N	Y

National Conference

Sr. No.	Title of the paper	Name of the Author(s)	Name of the Conference	Date	Location	Listed in Standard Databases (Y/N)			Citations
						Scopus	Web of Science	Google Scholar	
1.	Mid Drive Bicycle	Paramveer Dwivedi, Omkar Gotawale, Ajit Kumar, Aditya Shivam, Prof.Yogesh B. Mandake, Dr.Rajesh M. Holmukhe	5th National Conference on Innovation in Engineering and Technology (NCIET 2025)	8 th -9 th April 2025	Pune	N	N	Y	0
2.	Power generating tile with real time monitoring	Samarth Gosavi, Rushikesh Ambure, Jatin Yadav, Sumit	5 th National Conference on Innovation in Engineering and Technology	8 th -9 th April 2025	Pune	N	N	Y	0

		Chavan, Prof. Mr.Y. B. Mandake, Dr R M Holmukhe	(NCIET 2025)						
--	--	--	--------------	--	--	--	--	--	--

Book chapter

Sr. No.	Title of the paper	Name of the Author(s)	Title of book/book chapter published	Month and Year of Publication	ISBN/ISSN	Listed in Standard Databases (Y/N)		
						Scopus	Web of Science	Google Scholar
1.	Revolutionizing Water Purification Through Nanotechnology	Prashant Chaudhari, Vishal Mehtre, Harshada Mhetre, Shivaji Jadhav, Yogesh Chendake, Ramdas B. Khomane, and Ravindra Kanawade	Nanotechnology: Applications for Environmental Protection and Sustainability	May 2025	ISSN: 2523-8035	Y	N	Y

Academic Year 2023-24

International Journal

Sr. No.	Author (s)	Complete Title of the Article	Title of the Journal	Volume & Issue Number	Page Nos.	Month and Year of Publication	ISSN	Impact Factor	Listed in Standard Databases (Y/N)		
									Scopus	Web of	Google Scholar

								or		Science	
1	Avinash P.Moholkar, Deepak S.Bankar,Parashu ramB.Karandikar	Supercapacitor based cost effective hybrid energy storage system with reduction in battery size for diesel generator cold cranking	Indonesia n Journal of Electrical Engineering and Computer Science	Vol.31 , Issue No.1	Pg.No. 22-32	July 2023	ISSN: 2502 - 4752	2.9	Y	N	Y
2	Sohel Mulla, Paridhi Dahake, Pranav Shelke, Yogesh B. Mandake	Performance Enhancement of BLDC Motor for Electric Vehicle Applications	Indian Journal of Technical Education	Vo.46 ,Special Issue	Pg.No. 89-97	July 2023	ISSN: 0971 - 3034	-	N	N	Y
3	Harsh Anand, Satyam Biradar, Naveen Prajapat, Shripad G. Desai	Deployment of Serverless Web Application	Indian Journal of Technical Education	Vo.46 ,Special Issue	Pg.No. 253-257	July 2023	ISSN: 0971 - 3034	-	N	N	Y

		using AWS Services									
4	Rupalee Ambekar, R. M. Holmukhe and Shrinivas Ambekar	Performance Analysis of Permanent Magnet Synchronous Motor for Mining Applications – A Review	Journal of Mines, Metals and Fuels	Vol - 71 - Issue - 10	Pg.No. 1793-1798	October 2023	ISSN: 0022 - 2755	--	Y	N	Y
5	Prof. R. S. Ambekar, Mr. Omkar. P. Patil, Prof. Rajesh. M. Holmukhe, Prof. Sonali. V. Patil, Dr. Smita. P. Patil	Design of Super Premium Efficiency Class Induction motors -A Review	European Chemical Bulletin	Vol - 12 - Issue - 8	9938-9949	Nov. 2023	ISSN: 2063 - 5346	--	N	N	Y
6	Aditi Bellam, Rajesh Holmukhe, Rupali Ambekar, S B Abrish Aaditya, ParashuramKaran dikar, Jaywant Suryawanshi, Rahul Desai, Shalaka Chaphekar	Comparative Study and Analysis of Asymmetrical Supercapacitors through Modelling Approach	TuijinJishu/Journal of Propulsion Technology	Vol - 44 Issue - 6	1748-1756	December-2023	ISSN: 1001 - 4055	--	Y	N	Y

7	Jaywant Suryawanshi, Rahul Desai, S B Abrish Aaditya, P B Karandikar, 5Rajesh Holmukhe, R S Ambekar, Aditi Bellam	Mitigation of Heat Dissipation in Ultracapacitor	TuijinJishu/Journal of Propulsion Technology	Vol - 44 Issue - 6	724-732	December-2023	ISSN: 1001 - 4055	--	Y	N	Y
8	Rahul Desai Rajesh Holmukhe, Diksha Chopade, Rupali Ambekar, Nilesh Pangare, Raviraj Kadam, ParagChaudhari, Mohan Pare, and Hrishikesh Mehta	A FEA Study of the Optimal Magnetic Material for IPMSM Design in EV Applications	TuijinJishu/Journal of Propulsion Technology	Vol - 44 Issue - 6	377-386	December-2023	ISSN: 1001 - 4055	--	Y	N	Y
9	Diksha Chopade,RajeshHolmukhe,Milind Patwardhan, Kalyani Chaudhari, Kanchan Warke, Swati Sagar, Rahul Desai1,Rupalee Ambekar	Sustainable Energy Assessment and Optimization for Higher Education Institute! A Pathway to Achieve SDG 7 and 12	TuijinJishu/Journal of Propulsion Technology	Vol - 44 Issue - 6	1887-1896	December-2023	ISSN: 1001 - 4055	--	Y	N	Y

10	Diksha Chopade, Rajesh Holmukhe, Rahul Desai, Rupali Ambekar, Nilesh Pangare, Raviraj Kadam, Parag Chaudhari, and Hrishikesh Mehta	Advancing Power Quality: A Multilevel Inverter-Based Shunt Hybrid Active Filter for Optimal Performance in Distribution Systems	TuijinJishu/Journal of Propulsion Technology	Vol - 44 Issue - 6	299-308	December-2023	ISSN: 1001 - 4055	--	Y	N	Y
11	Rajesh Holmukhe, Diksha Chopade, Swati Sagar, Kanchan Warke Kalyani Chaudhari	Energy Audit and Energy Conservation Potential of Medical College	Indian Journal of Technical Education	Vo.46 ,Issue No.3	Pg.No. 1-7	July - September 2023	ISSN: 0971 - 3034	-	N	N	Y
12	Ritika Asati , Deepak S. Bankar , Aishwarya Apte , Amit L. Nehete , Yogesh Mandake	Fuzzy controlled modified reduced switch converter for switched reluctance motor under	Indonesia n Journal of Electrical Engineering and Computer Science	Vol. 34, No. 1	Pg.No 50-58.	April 2024	ISSN: 2502 - 4752 , DOI: 10.11591 /ijecs.v34.i1.	-	Y	N	Y

		dynamic loading					pp50-58				
--	--	-----------------	--	--	--	--	---------	--	--	--	--

International Conference

Sr. No.	Title of the paper	Name of the Author(s)	Name of the Conference	Date	Location	Listed in Standard Databases (Y/N)		
						Scopus	Web of Science	Google Scholar
1.	Fault Diagnosis of Power System Component by Wavelet Analysis of Current Signals	Amit L. Nehete, Deepak S. Bankar, Ritika Asati, Cehtan Khadse	14 th ICCCNT IEEE Conference	6 th July- 8 th July 2023	IIT-Delhi	Y	-	Y
2	Design, Optimization, and Performance Enhancement of Switched Reluctance Motor for Pollution-Free Electric Vehicle Application	Kesar Ali, Arbaz Sherkhan Shaikh, Kirti Govind, Javid Navaj Shaikh, Yogesh B. Mandake, and Deepak S. Bankar	International Conference on Renewable Power (ICRP 2023)	28 th - 29 th March 2023 (Publication: 3 rd January 2023)	Nuh, India	Y	-	Y
3	Contingency Analysis for a Solar Energy Generation System Using Real-Time Data Analysis	Vishal V. Mehtre, Shivani Jitendra Khare, Swapnil Namekar, and D. S. Bankar	International Conference on Renewable Power (ICRP 2023)	28 th - 29 th March 2023 (Publication: 3 rd January 2023)	Nuh, India	Y	-	Y

				2024)				
4	Performance Analysis of Classical Converter Using Different Control Strategies for Switched Reluctance Motor with Dynamic Loading	Ritika Asati and Deepak S. Bankar	International Conference on Renewable Power (ICRP 2023)	28 th - 29 th March 2023 (Publication: 3 rd January 2024)	Nuh, India	Y	-	Y

Academic Year 2022-23

International Journal

Sr. No.	Author (s)	Complete Title of the Article	Title of the Journal	Volume & Issue Number	Page Nos.	Month and Year of Publication	ISSN	Impact Factor	Listed in Standard Databases (Y/N)			
									Scopus	Web of Science	Google Scholar	UGC Care list
1.	Prof. Dr. Datta Chavan, Shashi Kr. Ranjan, Akash Mishra, Vishal Yadav	A Review On Comparison between SEPIC and Multi Level SEPIC Converter for PV Application	International Journal of Advanced Research in Electrical, Electronics and	Volume :11, Issue :7	Pg.No . 2723-2727	July 2022	2278 - 8875	8.18	N	N	Y	N

		n	Instrumentation (IJAREE IE)									
2.	Rahul S. Desai, Rajesh M Holmukhe, Abhishek Gandhar, Kusum Tharani & Shashi Gandhar	An enhanced mathematical modeling structure of electric machine considering the effect of gravitational field	Journal of Interdisciplinary Mathematics	Volume :25, Issue :5	Pg No. 1 to 9	July 2022	ISSN: 0972 - 0502 (Print), ISSN: 2169 - 012X (Online)	-	Y	Y	Y	Y
3.	Rajesh Maruti Holmukhe, Parikshit Gautam Jamdade & Shrinivas Gautamrao Jamdade	Assessment of wind energy potential using Poisson distribution model - A field study in India	Journal of Statistics and Management Systems	Vol 20 22	Pg.No. 1 to 12	July 2022	ISSN 0972 - 0510 (Print), ISSN 2169 - 0014 (Online)	-	N	Y	Y	Y

4.	Aakriti, Harsh Verma, Ashutosh Mishra, Prof.Shripad Desai	Diabetic Disease Prediction Using Machine Learning	Iconic Research and Engineering (IRE) Journals	Volume :6, Issue :1	Pg.No. 88-92	July 2022	ISSN: 2456 - 8880	5. 78 5	N	N	Y	N
5.	Pragya Bansal, Akshat Bhalla, Utkarsh Raj Verma, ShripadG.Desai	Tutor Portal Application Using Cloud Computing and Xampp.	Iconic Research and Engineering (IRE) Journals	Volume :6, Issue :1	Pg.No. 106-111	July 2022	ISSN: 2456 - 8880	5. 78 5	N	N	Y	N
6.	Hrishikesh Jagtap, Shripad G Desai, Rajesh M Holmukhe	Development and Performance Examination of Switch Mode Power Supply based Battery Charger for Electric Vehicle	Indian Journal of Science and Technology	Volume :15, Issue :25	Pg.No. 1253-1263	July 2022	ISSN: 0974 - 6846	-	N	Y	Y	N

7.	Prof. Yogesh B. Mandake , Dr. Deepak S. Bankar, Shubham Yadav , R.Vishal , Shalabh Singh	Power Theft Detection Using Arduino	International Journal of Innovative Research in Engineering	Volume :3, Issue :4	Pg.No. 60-66	July – August 2022	ISS N: 2582 - 8746	-	N	N	Y	N
8.	Mr. Swapnil Namekar , Dr. Deepak Bankar , Mr. Vishal Mehtre , Mr. Yogesh Mandake , Dr. Yogesh Chendake	Development and optimization of Dual Non-uniform electric field and Frequency modulation (Dielectrophoresis) technique for cell sorting on the basis of viability and size	MuktShabd Journal	Volume :XI, Issue :VIII	Pg.No. 529-538	August 2022	ISS N:23 47-3150	-	N	N	Y	N

9.	Abhishek Gandhar, Rajesh Holmukhe, Phagun Vijay, Madhav Sood, Rudra Sharma, Adarsh Patra	A Novel Cnn Based Smart Mask Detection System	Journal of Pharmaceutical Negative Results	Volume 13 , Special Issue 9	Pg.No. 9598-9605	December 2022	ISSN: Print - 0976 - 9234	0. 13	Y	Y	Y	Y
10	Rupalee S. Ambekar,	Design and Development of High Torque, Compact and Energy Saver PMSM Motor for Hydraulic Applications	International Journal of Electrical and Computer Engineering Systems	Vol - 13 - Issue - 5	Pg. no.39 9-407	July - 2022	1847 - 7003	--	Y	Y	Y	N
11	Shivani Jitendra Khare and R.S. Ambekar	Comprehensive Design and Study on Cogging Torque Reduction in Permanent	ARAI Journal of Mobility Technology	Vol - 2 - Issue - 3	290-297	May-August 2022	2583 - 3707 (Online)	--	N	N	Y	N

		Magnet Synchrono us Motors for Electric Vehicle Technolog y										
12	Tottapa M Hasarmani, Rajesh M Holmukhe	Optimum Sizing and Performan ce Assessme nt of Modified Energy Efficient Jaggery Unit for Economic Self Sufficienc y of Farmers in India	agriTEC H	Volu me: 42, Issue: 3	Pages: 242- 249	August 2022	ISS N 0216 - 0455 (prin t) and ISS N 2527 - 3825 (onli ne)	0. 1	N	N	Y	N
13	Amar C Pawar, KA Rade, Kaveri Katake, Abhishek Gandhar, Rajesh Holmukhe	Perspectiv es Of Visualizat ion Of Vibration Quant Data To Study	Journal of Pharmac eutical Negative Results	Volu me 13 Speci al Issue 9	Pg.No .8666- 8675	Dec 2022	ISS N: Print - 0976 - 9234	0. 1	Y	Y	Y	Y

		Effect Of Particle Damping For Gearbox Using Data Analytical Tool: Tableau					, Onli ne - 2229 - 7723					
14	Prashant Chandrashekhar Malagi, Prof. R. S. Desai, Prof. Dr. R. M. Holmukhe	Zero Net Energy Buildings in India	MuktSha bd Journal	Volu me XI, Issue XI	Pg.No .1-11	Nov 2022	ISS N NO : 2347 - 3150	0. 1	N	N	Y	N
15	Avinash P. Moholkar, Deepak S. Bankar, Parashuram B. Karandikar	Synthesiz ed carbon material with semi- organic and aqueous electrolyte for supercapa citor applicatio n	Indonesi an Journal of Electrica l Engineer ing and Compute r Science	Vol. 28, No. 2	Pg.No .654- 662	Nov 2022	ISS N: 2502 - 4752	0. 27 6	Y	N	Y	N
16	Ritika Asati, Deepak	Comparati ve	Material s Today:	Volu me	Pages 736-	Sept 2022	ISS N:	2. 3	Y	N	Y	N

	s.Bankar,AmitL .Nehete	analysis of converter topologies used in switched reluctance motor for high torque electric vehicle applicatio n	Proceedi ngs	72, Part 3, 202 3,	740		2214 - 7853					
17	Himanshu Soni and Yogesh B. Mandake	Selection & Developm ent of 5KW Switched Reluctanc e Motor with Software Simulatio n	Internati onal Journal of Statistics and Reliabilit y Engineer ing	Volu me 10, Issue 1	Pages 99- 106	March 2023	ISS N:23 50- 0174	-	N	N	Y	Y
18	Mr. Yogesh B. Mandake, Dr. Deepak S.Bankar	Selection, Designan doptimiza tionof Switched	Journal of Survey in Fisheries	Vollu me:10 , Issue: 1 (S)	Pages 3942- 3948	March 2023	ISS N:23 68- 7487	0. 18 2	Y	Y	Y	N

		Reluctanc e Motor Drive System for E- Rikshaw Applicatio n	Sciences									
19	Shivani Jitendra Khare , Shubham Singh, Siddharth Roy, Yogesh B. Mandake, and Deepak S. Bankar	Analysis and Optimizat ion of Fault - Tolerant Behaviour of Motors in Electric Vehicular Systems	Lecture Notes in Network s and Systems	LNN S,vol ume 671	Pages 23-38	March 2023	ISS N:23 67- 3370	0. 59 5	Y	Y	Y	N
20	Pragya Bansal ; Akshat Bhalla ; Utkarsh Raj Verma ; Shripad G. Desai	Tutor Portal Applicatio n Using Cloud Computin g and Xampp.	IRE Journals	Volu me 6 Issue 1	Pages: 106- 111	July 2022	ISS N:24 56- 8880	5. 83	N	N	Y	N
21	Ayush Jha , Lalit Mishra , Riyansh Bharadwaj , Prof. Shripad Desai	Dynamic Wireless Charging for Electric Vehicles	IRE Journals	Volu me 6 Issue 12	Pages: 240- 244	July 2022	ISS N:24 56- 8880	5. 83	N	N	Y	N

22	Aakriti , Ashutosh mishra , Harsh verma , Prof. Shripad Desai	Diabetic Disease Prediction Using Machine Learning	IRE Journals	Volu me 6 Issue 1	Pages: 88-92	July 2022	ISS N:24 56- 8880	5. 83	N	N	Y	N
23	Rakhi S Ambhore, Yogesh B Mandake , Deepak S Bankar	Simulatio n and Analysis of Performan ce of SRM by Using Different Controller	Indian Journal Of Science And Technol ogy	Volu me 16 Issue2 5	Pages: 1910- 1917	June 2023	ISS N: 0974 - 6846	-	N	N	Y	N
24	Sangram Gite, R .S. Ambekar, S. B. Abrish Aaditya, Sarang Joshi, P. B. Karandikar	Analysis of asymmetri cal supercapa citor with horizontal ly configure d electrodes	Journal of Energy Storage	Vol - 68	Pages: 1-8	May- 2023	ISS N:23 52- 152 X	-	Y	Y	Y	N

International Conference

Sr. No.	Title of the paper	Name of the Author(s)	Name of the Conference	Date	Location	Listed in Standard Databases (Y/N)		
						Scopus	Web of Science	Google Scholar

1.	Supercapacitor, superinductor and superconductor as super elements and their applications	Avinash moholkar ,Deepak bankar , Ashish kumarmishra , Anirban nandy and P Bkarandikar	International conference entitled 'Warriors of education'	25February 2023	BestoEdutrx international in collaboration with affiliated educational institutions	Y	-	Y
2	Contingency Analysis for a Solar Energy Generation System using Real Time Data Analysis	Prof.VishalM ehtre	2nd International Conference on “Renewable Power (ICRP-2023)”, Sponsored by HAREDA, Govt. of Haryana and Technically Sponsored by Springer Nature	28 th - 29 th March 2023	Mewat Engineering College (Wakf), Nuh,Haryana	Y	Y	Y
3	Design, Optimization & Performance enhancement of Switched Reluctance Motor for pollution free Electric Vehicle application	Kesar Ali,ArbazSherkhan Shaikh, Kirti govind, Javed Shaikh, Yogesh B.Mandake, Deepak s.Bankar	2nd International Conference on “Renewable Power (ICRP-2023)”, Sponsored by HAREDA, Govt. of Haryana and Technically Sponsored by	28 th - 29 th March 2023	Mewat Engineering College (Wakf), Nuh,Haryana	Y	Y	Y

			Springer Nature					
--	--	--	-----------------	--	--	--	--	--

Book Chapter:

Sr. No.	Author (s)	Complete Title of the Article (Book chapter)	Title of the book	Volume & Issue Number	Page Nos.	Month and Year of Publication	ISSN	Impact Factor	Listed in Standard Databases (Y/N)			
									Scopus	Web of Science	Google Scholar	UGC Care list
1.	Vishal Mehtre, Swapnil Namekar	Graphene: A Promising Material for Flexible Electronic Devices	Book Title: Advanced Structured Materials Book: Recent Advances in Graphene Nanophotonics	Volume 190	Pg No.83-118	May-2023	1869 - 8433 / 978-3-031-28941-5	-	Y	Y	Y	Y

Academic Year 2021-22

Sr. No.	Author (s)	Complete Title of	Title of the	Volume &	Page Nos.	Month and	ISSN	Impact	Listed in Standard Databases (Y/N)	
---------	------------	-------------------	--------------	----------	-----------	-----------	------	--------	------------------------------------	--

		the Article	Journal	Issue Number		Year of Publication		Factor	Scopus	Web of Science	Google Scholar	UGC Care list
1	Rishabh Kumar Singh, Ankit Kumar Yadav, Bhanu Pratap Singh, Prof. Yogesh B. Mandake	Design and simulation of Switched Reluctance Motor using ANSYS Maxwell software for Electric Vehicle Application	International Journal of Innovative Research (IJIRSET)	Volume: 10, Issue: 7	10206 - 10213	July 2021	2319-8753	7.569	N	N	Y	N
2.	Prof. Yogesh B. Mandake, Ashutosh Gupta, Sneha Soni, Arushitiwari	Design and simulation of Switched Reluctance Motor using ANSYS Maxwell software	International Journal of Innovative Research (IJIRSET)	Volume: 10, Issue: 7	10093 - 10101	July 2021	2319-8753	7.569	N	N	Y	N

3.	Sujay Lembhe,PurvaD here, Vrajshah,Dr.D. S.Bankar,Prof.Y ogeshB.Mandak e	Design and simulation of Switched Reluctanc e Motor for E- Rikshaw using ANSYS software	Internati onal Journal of Innovati ve Research (IJIRSE T)	Volu me :10, Issue: 7	10218 - 10227	July 2021	231 9- 875 3	7.56 9	N	N	Y	N
4.	Prof.R.S.Desai, Verma Shashikant Rajbhadur, Noman Parvez, Mayank Upadhyay	Hybrid Solar inverter	Internati onal Journal of Research Publicati on and Review	Volu me: 2, Issue: 7	647- 651	July 2021	258 2- 742 1	5.53 6	N	N	Y	N
5.	Rupalee S. Ambekar, Shubham Saket	Arduino Based Solar Tracker	Internati onal Journal of Scientifi c Research &Engine ering Trends	Volum e:7, Issue: 4	2414- 2418	July- August 2021	239 5- 566 X	-	N	N	Y	N
6.	Kunwar Pratoon Singh, Avi Sharan, Akshat	Transmiss ion line losses	EPRA Internati onal	Volu me: 6, Issue:	556- 563	July- 2021	245 5- 783	8.01 3	N	N	Y	N

	Agrawal Rupalee S Ambekar	with reference to temperatu re	Journal of Research and Develop ment (IJRD)	7			8					
7.	Ankit Aloni, Yashashwi Raj, Prof. Vishal Mehre	Compress ed Air Energy Storage System	America n Journal of Engineer ing Research (AJER)	Volu me: 10, Issue: 7	72-78	July 2021	ISS N: 232 0- 084 7	7.2	N	N	Y	N
8.	Prof. Vishal V. Mehre, AyushDua, Ashutosh Dua	Operating States of Power System and State Transition Diagram	Internatio nal Journal of Innovativ e Research in Electrica l, Electroni cs, Instrume ntation and Control Engineer ing (IJREEI CE)	Volu me: 9, Issue: 7	145- 147	July 2021	ISS N: 232 1- 200 4	6.58 1	N	N	Y	N

9.	Prof. Vishal V. Mehtre, Rajdeep Chaudhary, Jatin Tayal, Vaibhav Krishna	GSM Based Smart controlled Digital Energy Meter with RFID Chip	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE)	Volume: 9, Issue: 7	134-137	July 2021	ISSN: 2321-2004	6.581	N	N	Y	N
10.	Prof. Vishal Mehtre, Purva Dhere, Pandit Shinde	Control of Multi-Terminal DC Transmission Supported Voltage Source Converters	International Journal of Innovative Research in Science, Engineering and Technology	Volume: 10, Issue: 7	10231 - 10235	July 2021	ISSN: 2319-8753	7.569	N	N	Y	N

			(IJIRSE T)									
11.	Prof. Vishal V. Mehtre, Mr. Rahul Keshari, Zeeshan Hyder	Symmetrical and Unsymmetrical Faults Analysis	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE)	Volume: 9, Issue: 7	166-169	July 2021	ISSN: 2321-2004	6.581	N	N	Y	N
12.	Rajdeep Chaudhary, Jatin Tayal, Prof. Vishal V. Mehtre	Fault Analysis	International Journal of Innovative Research in Electrical, Electronics,	Volume: 9, Issue: 7	140-148	July 2021	ISSN: 2321-2004	6.581	N	N	Y	N

			Instrumentation and Control Engineering (IJREEICE)									
13.	Asst. Prof. Vishal V. Mehtre, Shubham Saket, Siddharth Gautam	Contingency Analysis	International Journal of Scientific Research & Engineering Trends (IJSRET)	Volume: 7, Issue: 4	2129-2132	July-Aug 2021	ISSN: 2395-566X	3.24	N	N	Y	N
14.	Prof. Vishal V. Mehtre, Mr. Sidhant Kumar, Mr. Nikhil Kr Singh	Static Security Assessment Of Power System	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIETCE)	Volume: 9, Issue: 7	148-151	July 2021	ISSN: 2321-2004	6.581	N	N	Y	N

			ntation and Control Engineer ing (IJREEI CE)									
15.	Prof. Vishal Mehtre, Sneha Soni, Rishabh Mishra	Computer Applicatio ns In Tidal And Wave Energy	Journal of Innovati ve Research in Electrica l, Electroni cs, Instrume ntation and Control Engineer ing (IJREEI CE)	Volum e: 9, Issue: 7	161- 163	July 2021	ISS N: 232 1- 200 4	6.58 1	N	N	Y	N
16.	Prof. Vishal V. Mehtre, Mr. Tanmay Dalal, Ms Arushi Tiwari	Computer Applicatio ns in Wind Energy System Monitorin g and	Internati onal Journal of Innovati ve Research in	Volum e: 9, Issue: 7	164- 167	July 2021	ISS N: 232 1- 200 4	6.58 1	N	N	Y	N

		maintenance	Electrical, Electronics, Instrumentation and Control Engineering (IJREEICE)									
17.	Prof. Vishal V. Mehtre, Vaibhav Krishna, Vaibhav Bhaskar	Flywheel Energy Storage System	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJREEICE)	Volume: 9, Issue: 7	152-154	July 2021	ISSN: 2321-2004	6.581	N	N	Y	N

18.	Swapnil Namekar, Kuldeep Gupta, Niyati Patel, Parth Parikh	Automatic Waste Pickup Cleaner	International Research Journal of Engineering and Technology (IRJET)	Volume: 8, Issue: 7	2664-2668	July 2021	ISSN: 2395-0056	7.529	N	N	Y	N
19.	Rishabh Sharma, Rahul Rai, Nishant Gaurav, Swapnil Arun Namekar	Action Control of DC Motor Using Programmable Logic Controller	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	Volume: 10, Issue: 7	10350 - 10354	July 2021	ISSN: 2319-8753	7.569	N	N	Y	N
20.	Vishal V. Mehtre, Ankit Kumar Yadav, Sumit Mishra	Super capacitor and its applications	International Journal of Innovative Research in	Volume: 9, Issue: 7	175-179	July 2021	ISSN: 2321-2004	6.581	N	N	Y	N

			Electrical, Electronics, Instrumentation and Control Engineering (IJREEICE)									
21.	Harsh Verma, Ravi Mishra, V. V. Mehtre	Study of the Load Flow Problem in Power System Planning Studies	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJREEICE)	Volume: 9, Issue: 7	183-188	July 2021	ISSN: 2321-2004	6.581	N	N	Y	N

22.	Miss Niyati Patel, Prof Vishal V. Mehtre	Fuel cell and their types	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE)	Volume: 9, Issue: 7	194-197	July 2021	ISSN: 2321-2004	6.581	N	N	Y	N
23.	Rishabh Kumar Singh, Sudhanshu Kumar Mishra, Prof. Vishal V. Mehtre	Supercapacitor construction, principle, operation, characteristics, advantages, disadvantages and applications	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE)	Volume: 9, Issue: 7	189-193	July 2021	ISSN: 2321-2004	6.581	N	N	Y	N

		ns	ntation and Control Engineer ing (IJREEI CE)									
24.	NazeeyaTakkal aki , Vishal Mehtre , Karnika Dubey	Green computin g and energy storage systems	Internati onal Journal of Innovati ve Research in Electrica l, Electroni cs, Instrume ntation and Control Engineer ing (IJREEI CE)	Volu me: 9, Issue: 7	202- 208	July 2021	ISS N: 232 1- 200 4	6.58 1	N	N	Y	N
25.	Prof. Vishal V. Mehtre, Miss Anjali, Mr. Sohail	Fundamen tals of Data Acquisitio n System	Internati onal Journal of Innovati ve	Volum e: 9, Issue: 7	180- 182	July 2021	ISS N: 232 1- 200 4	6.58 1	N	N	Y	N

			Research in Electrical, Electronics, Instrumentation and Control Engineering (IJREEICE)									
26.	Prof. Vishal V Mehtre, Mr. Rakesh Kumar Mehta, Mr. AyushDua, Mr. Shikar Patel	Review on Solar Charger Based on Microcontroller	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	Volume: 10, Issue: 7	8825-8830	July 2021	ISSN: 2319-8753	7.569	N	N	Y	N
27.	Prof. Swapnil A. Namekar, Satyam Kumar, Harsh Verma,	House Cleaning Robot Using	International Journal of	Volume: 10, Issue:	10275 - 10278	July 2021	ISSN: 2319-	7.569	N	N	Y	N

	Ravi Mishra	Arduino	Innovative Research in Science, Engineering and Technology	7			8753					
28.	Vishal Vaman Mehtre, Verma Shashikant Rajbhadur	Review on Load Flow Analysis	International Journal of Research in Engineering and Science (IJRES)	Volume: 9, Issue: 8	17-19	August 2021	2320-9364	3.541	N	N	Y	N
29.	Ankit Aloni, Prof. Vishal Mehtre, Yashashwi Raj	Smart Circuit Breaker	International Journal for Research in Applied Science & Engineering Technology (IJRASE)	Volume: 9, Issue: 7	3152-3157	July 2021	2321-9653	7.429	N	N	Y	N

			T)									
30.	Bhanu Pratap Singh,Noman Parvez, Prof.Vishal Mehre, Prof. Dr. D. S. Bankar	Power System Security	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE)	Volume: 9, Issue: 7	215-218	July 2021	2321-2004	6.581	N	N	Y	N
31.	Sumit Mishra ,Shubhanshi Mishra2,Prof. Rupalee S. Ambekar	Automatic Braking System Control	International Journal of Innovative Research in Electrical,	Vol. 9, Issue 7,	209-214	July 2021 DOI 10.17148/IJIREICE.2021.9739	2321-5526	6.581	N	N	Y	N

			Electronics, Instrumentation and Control Engineering									
32.	Sarvesh S.Phatak, Yogesh B Mandake, D S Bankar	Development and performance analysis of switched reluctance motor for E- rickshaw	Indian Journal Of Science And Technology	Vol. 14, Issue:3 8	2916- 2933	November 2021	ISSN:0 974 - 684 6	-	N	Y	Y	N
33.	Yogesh B. Mandake, R. M. Holmukhe & Abhishek Gandhar	A novel design of underground distribution cable fault locator system	Journal of Information and Optimization Sciences	Vol.4 3 No:1,	Page No.16 9-176	March 2022	ISSN :025 2- 266 7	-	N	Y	Y	N
34.	Amit Kukker & Rajneesh Sharma	JAYA- Optimized Fuzzy Reinforce	IETE Journal of Research	-	1-12	Feb 2022	ISSN:3 772 063	2.33 8 (sci)	Y	Y	Y	Y

		ment Learning Classifier for COVID-19										
35.	Rahul S. Desai, Rajesh M. Holmukhe&Abhishek Gandhar	Effect on electromagnetic field of the electric machine by gravitational field – An innovative investigation	Journal of Information and Optimization Sciences	Vol.43 No:1,	Page No. 177-183	March 2022	ISSN :0252-2667	-	N	Y	Y	N
36.	Deepu Jha, VispiNevileKarkaria, P.B.Karandikar, R.S.Desai	Statistical modeling of hybrid supercapacitor	Journal of Energy Storage	Vol.46 No:46 (Elsevier)	Page No.1-5	January 2022	2352-152X	8.907	Y	N	Y	N
37.	Arpit Kumar, Siddhant Tiwari, Prof. Sampat Medhane, Aditya kumar,	Visibility Prediction in Different Weather Conditions by Tree-	International journal of research and analytical reviews	Vol. 9, Issue:2	Page No.658-665	June 2022	ISSN:2349-5138	7.17	N	N	Y	N

	Dr. Prof. Datta S Chavan, Vibhor Namdeo	Based Algorithms Using Hyperparameter Tuning	(IJRAR)									
38.	Rishabh Singh, Rajesh M. Holmukhe, Abhishek Gandhar & Karan Kumawat	5D Printing A future beyond the scope of 4D printing with application of smart materials	Journal of Information and Optimization Sciences	Vol. 43 (2022), No. 1,	Page No. 155–167	Feb 2022	0252-2667	-	N	Y	Y	Y
39.	R. M. Holmukhe, Abhishek Gandhar, Drishti Hans & Pranav V. Paithankar	A simulation study of solar wind hybrid power system	Journal of Information and Optimization Sciences	Vol. 43 (2022), No. 3,	Page no. 601–606	May 2022	0252-2667	-	N	Y	Y	Y
40.	Rajesh M. Holmukhe, Prabhakar Kumar, Abhishek Gandhar, Drishti Hans & Diksha Chopade	A statistical approach for the management of electrical energy consumption	Journal of Information and Optimization Sciences	Vol. 43 (2022), No. 3,	Page no. 487–496	April 2022	ISSN 0252-2667	-	N	Y	Y	Y

		on of an education al organizati on										
41.	Rajesh M. Holmukhe, Hitesh Raut, AbhishekGandh ar, Drishti Hans & T. S. Hasarmani	Automate d load shedding period control system for distributio n utility	Journal of Informat ion and Optimiza tion Sciences	Vol. 43 (2022), No. 3,	pp. 587– 600	May 2022	ISS N 025 2- 266 7	-	N	Y	Y	Y
42.	DikshaChopade, Rajesh M. Holmukhe&Ab hishekGandhar	Energy audit and conservati on of Dental college – A case study	Journal of Informat ion and Optimiza tion Sciences	Vol. 43 (2022), No. 3,	pp. 461– 474	April 2022	ISS N 025 2- 266 7	-	N	Y	Y	Y
43.	Rajesh M. Holmukhe,Abhi shekGandhar, Supadasing R. Chauhan&Mukt eswar N. Patil	Power quality analysis of a mechanic al industry – A case study	Journal of Informat ion and Optimiza tion Sciences	Vol. 43 (2022), No. 3,	pp. 615– 627	April 2022	ISS N 025 2- 266 7	-	N	Y	Y	Y
44.	Rajesh M. Holmukhe,	Practical implemen tation of	Journal of Informat	Vol. 43 (2022	pp. 437– 445	April 2022	ISS N 025	-	N	Y	Y	Y

	Sachin Suresh Sawant, AbhishekGandhar & T. S. Hasarmani	15 level inverter for THD reduction	ion and Optimization Sciences	), No. 3			2-2667					
--	---	-------------------------------------	-------------------------------	----------	--	--	--------	--	--	--	--	--

International Conference

Sr. No.	Title of the paper	Name of the Author(s)	Name of the Conference	Date	Location	Listed in Standard Databases (Y/N)		
						Scopus	Web of Science	Google Scholar
1.	Retrofitting of a Ultracapacitor/Battery Hybrid System to an Electric-Rickshaw for Use in India: A Case Study	S. Tirpude, A. Bharadwaj and R. M. Holmukhe	2nd Global Conference for Advancement in Technology (GCAT), 2021	1-3 October 2021	Banglore, India	Y	-	Y

Academic Year 2020-21

International Journal

Sr. No.	Author (s)	Complete Title of the Article	Title of the Journal	Volume & Issue Number	Page Nos.	Month and Year of Publication	ISSN	Impact Factor	Listed in Standard Databases (Y/N)				Citations
									Scopus	Web of Science	Google Scholar	UGC Career list	
1.	Vishal V. Mehtre, Prashant Kumar, Kezia Faith Samuel, Ayush Verma	Electric Bike using Lithium ION Battery	International Research Journal of Engineering and Technology (IRJET)	Vol. 7, Issue 7,	Pg No. 662-666	July 2020	ISSN: 2395-0072	7.529	N	N	Y	N	-
2.	Prof.Yogesh B.Mandake,Piyusha Hadke, Rishabh kumartiwari, SourabhRaj, Prince kumar singh	Improve battery life of e-vehicle using super capacitor & regenerative braking system	International Research Journal of Engineering and Technology (IRJET)	Vol. 7, Issue 7	Pg No. 662-666	July 2020	ISSN: 2395-0072	7.529	N	N	Y	N	-
3.	Mr.AshutoshSinha, Mr.MayankGupta, Miss Pratibha	Smart Inverter	International Journal of	Vol. 4, Issue 9,	Pg No. 1-8	September 2020	ISSN: 2582-	4.106	N	N	Y	N	-

	Ghosh,Mr.Deva nshuKumar, Mrs.Anagha R Soman		Scientifi c Research in Engineer ing and Manage ment (IJSRE M)				393 0						
4.	Vikash Singh Yadav Jai Vashisth R. S. Desai	E- Highway: A Future Transport ation	Internati onal Journal of Research in Engineer ing, Science and Manage ment	Volu me-3, Issue- 9	Pg No.56 -58	Septemb er-2020	ISS N : 258 1- 579 2	4.30 8	N	N	Y	N	-
5.	Shripad G.Desai, Rohan Velhal, Shreyas Sharma, Tauheed Khan, Abhishek Rai, AtharHusain	Design and Applicatio n of Solar Module for Electric Vehicles	Internati onal Research Journal of Engineer ing and Technol ogy (IRJET)	Vol 7, Issue 9	Pg No.73 8-743	Septemb er-2020	ISS N: 239 5- 007 2	7.52	N	N	Y	N	-

6.	Saket Tirpude , Ankit Bharadwaj, Abhiyan Dubey , R M Holmukhe	Analysis of a Function Fitting Neural Network based Control Strategy for a Hybrid Energy Storage System applied to Electric- Vehicles	Internati onal Journal of Emergin g Trends in Engineer ing Research	Vol 8, Issue 7	Pg No.29 55- 2962	July 2020	ISS N 234 7 - 398 3	-	N	N	Y	N	-
7.	Mansi Mallick, Rahul Sinha, Ankit Gupta, Nimit Jain, Dr.R.MHolmuk he	Automatic Braking System for E- Vehicles	Internati onal Journal of Scientifi c Research in Engineer ing and Manage ment (IJSRE M)	Volu me: 04 Issue: 09	Pg No.1- 3	Sept - 2020	ISS N: 258 2- 393 0	4.10 6	N	N	Y	N	-

8.	Saket Tirpude, Ankit Bharadwaj, Rama Sundaram , Sidhartha Mane , Rajesh M Holmukhe	An investigation into awareness and usage of lead acid batteries in E-rickshaws : A field survey in New Delhi	Indian Journal Of Science And Technology	Volume No 13, Issue No 33	Pg No.34 67-3483	Sept - 2020	ISS N: 3467-3483	-	N	Y	Y	N	-
9.	Mhetraskar S. S. Swapnil A. Namekar, Dr. Rajesh M Holmukhe	Industrial automation using PLC,HMI and its protocols based on real time data for analysis	International Journal of Advanced Research in Engineering and Technology (IJARET)	Volume No 11, Issue No 10	Pg No.13 53-1363	October -2020	ISS N: 0976-6480	-	Y	N	Y	N	-
10.	TS Hasarmani ,Dr. RM Holmukhe, Dr. YS Kale	Design and development of	Industrial Engineering	Vol. XIII & Issue No.12	Pg No32-38	December - 2020	ISS N 0970-	-	N	N	Y	Y	-

		solar PV-DG hybrid system for reliability enhancement of agriculture microgrids	Journal				2555						
11.	NikhilSunsaram, Shripad G Desai	Traffic Control System Based on Density	IRE Journals	Volume:4 Issue:3	Pg.No .61-63	January-2021	ISSN:2456-8880	3.569	N	N	Y	N	-
12.	Shivani Jitendra Khare, Shripad G. Desai	Microcontroller based Solar Tracking system design and grid connected Photovoltaic systems	International Journal of sustainable energy and environmental research	Vol:10 No.1	1-8	January-2021	ISSN:2306-2253	-	N	N	Y	N	-
13.	Jaywant Suryawanshi , Alok Deep , R.	Study Of Parametric Mismatch	Turkish Journal of Compute	Vol.12 No.12	1875-1882	May 2021	1309-4653	-	Y	N	N	N	-

	S. Desai , P.B. Karandikar , R. M. Holmukhe	Of Supercapacitor Materials	r and Mathematics Education										
14.	Avdhoot Sunil Kulkarni, Prof. R. S. Ambekar	Power Generation from Water in pipeline through Hydro Generator	The International journal of analytical and experimental modal analysis	Vol.13 Issue.5	728-744	May - 2021	0886-9367	-	N	N	Y	Y	-
15.	Pranav Kadam, Prof R. S. Ambekar	Hybrid Power Generation Through Combined Solar-Wind Power System vehicle	The International journal of analytical and experimental modal analysis	Vol.13, Issue.5	711-727	May - 2021	0886-9367	-	N	N	Y	Y	-
16.	Vishal.V.Mehtra, Mr.Mandar.Balasaheb.Deshmukh,	Application and Design of Solar Photovoltaic	International Research Journal of Engineering	Volume: 8, Issue: 6	605-609	June 2021	ISSN: 2395-005	7.529	N	N	Y	N	-

	Mr.Shekhar.R.S atras	System	ing and Technol ogy (IRJET)										
17.	Hrishikesh Jagtap, Prof.ShripadG. Desai, Dr.RajeshM.Ho lmukhe	Partial Develope ment of SMPS based Battery Charging System for Electric Vehicle	Turkish Journal of Compute r and Mathem atics Educatio n	Volum e:12, Issue:6	4908- 4917	May 2021	ISS N: 130 9- 465	-	Y	N	N	N	-
18.	Prince Kumar, Shripad G Desai	Interrupts in The Microcont roller	IRE Journals	Volum e:4, Issue:1 0	166- 169	April 2021	ISS N:2 456 - 888 0	-	N	N	Y	N	-
19.	Tayyab Jahngir Patel, Shripad Desai	Electronic Voting Machine Using Arm9 Micro- Controller	IJRES	Volum e: 9 Issue:5	14-18	April 2021	ISS N: 232 0- 936 4	-	N	N	Y	N	-
20.	Mr. Vishal.V.Mehtr e, Mr. Tushar Shukla, Mr.	Technolo gy Tools Use for Mini Hydro	Internati onal Research Journal of	Volum e: 8, Issue: 6	2442- 2449	June 2021	ISS N: 239 5- 005	7.52 9	N	N	Y	N	-

	Shekhar Tomar	Power Plant	Engineering and Technology (IRJET)				6						
21.	Vishal V. Mehtre, Rupsi Sharma	Flywheel Storage System	EPRA International Journal of Research and Development (IJRD)	Volume: 6, Issue: 6	432-435	June 2021	ISSN: 2455-7838	8.013	N	N	Y	N	-
22.	Prof.R.S.Desai	A hybrid model of Solar-Wind Power Generation system	International Research Journal of Engineering and Technology (IRJET)	Volume: 8, Issue: 6	4250-4253	June 2021	ISSN: 2395-0056	7.529	N	N	Y	N	-
23.	Datta S Chavan, Swaroopa S.Bhosale, Niyati Patel	Supervising flora and fauna of forest using drones	International Journal of Creative Research Thoughts (IJCRT)	Volume: 9, Issue: 5	475-483	May 2021	ISSN: 2320-2882	7.97	N	N	Y	N	-

International Conference

Sr. No.	Title of the paper	Name of the Author(s)	Name of the Conference	Date	Location	Listed in Standard Databases (Y/N)		
						Scopus	Web of Science	Google Scholar
1.	Application of custom power devices for the analysis of power quality indices in power distribution	Dr.V.S.Jape, Dr.D.S.Bankar	International Conference on Computer Technology, Management and it's applications (IC2TMA-2021)	16/4/2021- 17/4/2021	Maharashtra Education Society's Institute of Management & Career courses (IMCC), Pune.	Y	N	N
2.	A Smart Algorithm for selection and design of Electromagnet for Electromagnetic Launchers	Navya Raj, Prof.ShripadG.De sai, Kanishk Sharma, Manish Kumar, Hetel Verma	2020 Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC)	7/10/2020- 9/10/2020	Palladam, India	Y	Y	Y