

Research publications



Prof. Shivanand Talwar

S. No.	Name of Member	Designation	Department
1	Prof. Shivanand Talwar	Assist. Professor	Mech
2	Dr. S. B. Choudhari	Professor	Comp
3	Dr. P. N. Gokhale	Professor	Elect
4	Dr. R. D. Gawade	Asso Professor	E&TC

Research Papers A.Y 2023-24							
Sr No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal
1	CREDIT CARD FRAUD DETECTION SYSTEM USING ADABOOST	Dr. S. B. Chaudhari	Computer	IRJMETS	Volume: 06/Issue: 05/May-2024	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_5_may_2024/57382/final/fin_irjmets1716668856.pdf
2	A SELF HEALING SOFTWARE SYSTEM USING DEVOPS AND AUTOMATION	Dr. S. B. Chaudhari	Computer	IJSREM	Volume: 08 Issue: 04 April - 2024	2582-3930	https://ijsrem.com/download/a-self-healing-software-system-using-devops-and-automation/
3	A New Classifier for Handling Concept Drifting Data Stream	Dr. S. B. Chaudhari	Computer	JSDR	April 2024 Volume 9 Issue 4	2455-2631	https://ijsdr.org/papers/IJSDR2404187.pdf
4	Design & Development of AGV for Enhancing Hospitality	Prof.A.S.Kotakar	Computer	IJAR SCT	VOLUME 4, ISSUE 5, APRIL 2024	2581-9429	https://www.ijarsct.co.in/Paper17583.pdf
5	Design and Development of a Prototype of Industrial Robotic Arm Controlled by Touch Interface	Prof.A.S.Kotakar	Computer	IJAR SCT	VOLUME 4, ISSUE 5, APRIL 2024	2581-9429	https://ijarsct.co.in/Paper17530.pdf
6	Doctor Recommendation System using Patient's Review and Symptoms	Prof.N.A Gosavi	Computer	IJSREM	Volume: 08 Issue: 04 April - 2024	2582-3930	https://ijsrem.com/download/doctor-recommendation-system-using-patients-review-and-symptoms/
7	Databases, Spreadsheets and Files Interaction and Visualization using Natural Language as Prompt	Prof.N.A Gosavi	Computer	IRJMETS	Volume: 06/Issue: 03/March-2024	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_3_march_2024/51666/final/fin_irjmets1712557355.pdf
8	Sign Language Recognizer	Prof. S. S. Wagh	Computer	IRJET	Volume: 11 Issue: 03 Mar 2024	e-ISSN: 2395-0056 p-ISSN: 2395-0072	https://www.irjet.net/archives/V11/I3/IRJET-V11I387.pdf
9	AI-BASED TUBERCULOSIS AND PNEUMONIA DETECTION	Prof. S. S. Wagh	Computer	IJNRD	Volume 9, Issue 4 April 2024	ISSN: 2456-4184	https://ijnrd.org/papers/IJNRD2404468.pdf
10	Content Based Movie Recommendation System	Prof. N. R. Zinzurke	Computer	IJSREM	Volume: 08 Issue: 03 March - 2024	ISSN: 2582-3930	https://ijsrem.com/
11	Crime Detection Tool Using AI and ML	Prof. N. R. Zinzurke	Computer	IJSREM	Volume: 08 Issue: 04 April - 2024	ISSN: 2582-3930	https://ijsrem.com/
12	AI-Driven Personalized Healthcare System	Prof. N. R. Zinzurke	Computer	IJSREM	Volume: 08 Issue: 04 April - 2024	ISSN: 2582-3930	https://ijsrem.com/
13	Brain Tumor Detection and 3D Visualization	Prof. N. R. Zinzurke	Computer	IJSREM	VOLUME: 08 ISSUE: 03 MARCH - 2024	ISSN: 2582-3930	https://ijsrem.com/
14	Design and Simulation of Advanced Solar power Electric Vehicle Charging station	Prof. A.M. Bansode	Electrical	International Journal for multidisciplinary Research (IJFMR)	2023-2024	E-ISSN2582-2160	https://drive.google.com/file/d/1ndr1oGKv8Vqf7qrVo3QIhS7mISFzMx3/view?usp=sharing

15	Smart Shirodhara Machine	Prof.P.N.Gokhale	Electrical	International Research Journal of Modernization in Engineering Technology and Science	2023-2024	e-ISSN:2582-5208	https://drive.google.com/file/d/1eXZmapEq_nvzH5Ft130Sa18hIRBbsvPf/view?usp=sharing
16	Design and Control of Unmanned Underwater vehicle for Inspection of Underwater Infrastructure	Prof.N.G.Padulkar	Electrical	International Research Journal of Modernization in Engineering Technology and Science	2023-2024	e-ISSN:2582-5208	https://drive.google.com/file/d/17A-UqU0m_35gRL0c8GCa21kN2BGBtnrY/view?usp=sharing
17	Child Rescue Robot at Borewell	Prof.P.N. Todkar	Electrical	International Research Journal of Modernization in Engineering Technology and Science	2023-2024	e-ISSN:2582-5208	https://drive.google.com/file/d/1gVcSUm6UsnEYPEz7c hKCSK4UZ0jmdXj o/view?usp=sharing
18	Automatic Railway Track Crack Detection System	Prof.P.N.Todkar	Electrical	International Research Journal of Innovations in Engineering and Technology	2023-2024	ISSN:2581-3048	https://drive.google.com/file/d/1EaWZZT7sIVGRKYWHtuxwWPHCeTCbQHmH/view?usp=sharing
19	Cost Effective Portable Machine to Convert Sea Water into Fresh Water	Prof.N.V.Tayade	Electrical	International Research Journal of Modernization in Engineering Technology and Science	2023-2024	e-ISSN:2582-5208	https://drive.google.com/file/d/1fao4YgcQ-PNDEsMTNDR0wYKwZ1eNTQxC/view?usp=sharing
20	SOC Monitoring and Thermal Management of solid-state Battery	Prof.R.S.Dalvi	Electrical	International Research Journal of Modernization in Engineering Technology and Science	2023-2024	e-ISSN:2582-5208	https://drive.google.com/file/d/1j-LaM5colGL8HRWAwuLLk2IWfn5Wr5QZ/view?usp=sharing
21	Automatic Flood Alert and Reservoir Gate Controlling System	Prof.C.S.Kelkar	Electrical	International Research Journal of Modernization in Engineering Technology and Science	2023-2024	e-ISSN:2582-5208	https://drive.google.com/file/d/1CxhBSWjfoHMTQ6zhETo-88mc8-QF9apP/view?usp=sharing
22	Skin Examination Analysis System Using Ayurvedic Interpretation	Prof.P.N.Gokhale	Electrical	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023-2024	ISSN:-2582-3930	https://drive.google.com/file/d/1X8P SQOMQP1zxDkXC NE8AgYMHdPGo6 NA8/view?usp=sharing
23	Speed Lock: Reinforcing Area Safety Through IOT Enable Speed Control	Prof.R.R.Waghulde	Electrical	International Research Journal of Modernization in Engineering Technology and Science	2023-2024	e-ISSN:2582-5208	https://drive.google.com/file/d/1EaWZZT7sIVGRKYWHtuxwWPHCeTCbQHmH/view?usp=sharing
24	Group delay-based minimum variance distortionless response cepstral features for speaker identification in whispered speech	Dr. Vijay M. Sardar	E&TC	Int. J. Computer Applications in Technology	2023-24	1741-5047	https://doi.org/10.1504/IJCAT.2023.134753

25	Implementation of Machine Learning Algorithm in IOT smart Shoe Helping Rehabilitation for Visually Challenged People	Dr. Shailesh M. Hambarde	E&TC	Journal for ReAttach Therapy and Developmental Diversities	2023-24	2589-7799	https://jrtdd.com/index.php/journal
26	Renewable-Powered Antenna Design for Energy-Efficient Wireless Networks	Dr. Shailesh M. Hambarde	E&TC	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	2023-24	2147-6799	https://ijisae.org/index.php/IJISAE
27	Design and Construction of Hazardous Gas Detection and Control System for Electric Vehicle Cabin	Dr. D. B. Salunke	E&TC	International Journal for Research in Applied Science & Engineering Technology	2023-24	321-9653	https://ijsrem.com/download/design-and-construction-of-hazardous-gas-detection-and-control-system-for-electric-vehicle-cabin/
28	SMART GREENARY GROWTH CONTAINER SING IOT	Dr. S. M. Hambarde	E&TC	International Research Journal of Modernization in Engineering Technology and Science	2023-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_3_march_2024/51245/final/fin_irjmets1711629289.pdf
29	Women safety Device	Dr. R. D. Gawade	E&TC	International Journal of Scientific Research in Engineering and Management	2023-24	2582-3930	https://www.researchgate.net/publication/378080555_Women_Safety_Device
30	AI based Depression Detection system	Prof. Ayachit S.U.	IT	International Research Journal of Modernization in Engineering Technology and Science	2023-24	e-ISSN: 2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_1_1_november_2023/46673/final/fin_irjmets1700921563.pdf
31	DIGITAL BLOOD RESOURCE NETWORK	Prof. Vrushali R. Hake	IT	International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)	2023-24	e-ISSN: 2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_1_1_november_2023/46559/final/fin_irjmets1700733242.pdf
32	Detection of Cyber attacks and Network attacks using machine learning algorithms	Prof. Shradha.B. Farane	IT	International Research Journal of Modernization in Engineering Technology and Science	2023-24	e-ISSN: 2582-5208	https://wjaets.com/sites/default/files/WJAETS-2024-0184.pdf
33	INTEGRATING AI AND ROBOTICS FOR AUTONOMOUS EXPLORATION AND NAVIGATION	Prof. Anil P. Gaikwad, Prof. Krutika B. Kakpure	MCA	Jilin Daxue Xuebao (Gongxueban) /Journal of Jilin University (Engineering and Technology Edition)	2023-24	ISSN: 1671-5497	https://jilindaxuexuebao.net/details.php?id=430107

34	Quantum Blockchain: Unraveling the Potential of Quantum Cryptography for Distributed Ledgers	Prof. Anil P. Gaikwad, Prof. Krutika B. Kakpure	MCA	International Journal on Recent and Innovation Trends in Computing and Communication	2023-24	ISSN: 2321-8169	https://www.ijritcc.org/index.php/ijritcc/article/view/9661
35	IMPACT OF BLOCKCHAIN TECHNOLOGY ON CONSUMER TRUST IN DIGITAL MARKETING	Prof. Anil P. Gaikwad	MCA	Jilin Daxue Xuebao (Gongxueban) /Journal of Jilin University (Engineering and Technology Edition)	2023-24	ISSN: 1671-5497	https://jilindaxuexuebao.net/details.php?id=DOI:10.5281/zenodo.10489034
36	The impact of influencer marketing on consumer behaviour: effectiveness on increasing brand awareness, improving brand perception, and driving sales	Dr. Hake Chandrakant, Prof. Rahul Kumavat	MBA	Rabindra Bharti Journal of Philosophy	2023	ISSN: 0973-0087	https://www.researchgate.net/publication/372787352_THE_IMPACT_OF_INFLUENCER_MARKETING_ON_CONSUMER_BEHAVIOUR_EFFECTIVENESS_ON_INCREASING_BRAND_AWARENESS_IMPROVING_BRAND_PERCEPTION_AND_DRIVING_SALES
37	Evaluating the effectiveness of AI powered personalisation in E-commerce marketing strategies	Dr. Hake Chandrakant, Prof. Rahul Kumavat	MBA	Madhya Pradesh Journal of social science	2023	ISSN: 0973-855X	https://drive.google.com/file/d/1G98gKIKSInH1DuSySE-NIUrh09vFX7eI/view?usp=sharing
38	FUSING MACHINE LEARNING AND AND AI FOR ENHANCING MARKETING	Prof.Rahul Kumavat, Prof. Swayam Shah,	MBA	Humanities and Social Science Studies	2024	ISSN 2319-829X	https://drive.google.com/file/d/11B-0ZHWcLArgHJvFWwKx94-IgexXZ/view?usp=sharing
39	BLOCKCHAIN-POWERED INTERNET OF THINGS: OVERVIEW, CURRENT PATTERNS, USES, AND UPCOMING DIFFICULTIES	Dr. Poonam Lambhate	CS	LIBERTE JOURNAL	VOLUME 12 ISSUE 7 2024	(ISSN:0024-2020)	https://liberterresearch.org/
40	WSN TECHNOLOGY-BASED IOT-BASED SMART AGRICULTURE SYSTEM FOR INSECT AND PEST IDENTIFICATION, CROP STATUS PREVENTION	Dr. Poonam Lambhate	CS	Journal of Technology	VOLUME 12 ISSUE 7, 2024	ISSN: 10123407	https://journaloftechnology.org/archives/
41	Design and Development of Fixed Wing Drone for Surveillance Purpose	Prof. Siddhesh Bandekar	Mechanical	International ResearchE2: E21h Journal of Engineering and Technology (IRJET)	Volume: 11 Issue: 02 Feb 2024	p-ISSN: 2395-0072	https://www.irjet.net/archives/V11/i2/IRJET-V11I237.pdf
42	Development of Solar Dryer System For Seed Drying Purpose with Automatic Heat Lamp using XH W1209 12V Digital Temperature Controller	Prof. Vijay Kharade	Mechanical	International Research Journal Of Engineering and Technology (IRJET)	Volume 11 & Issue04	p-ISSN: 2395-0072	https://www.irjet.net/volume11-issue04

43	Regenerative Braking System with Power Monitor	Prof. Priyanka Barde	Mechanical	International Research Journal of Engineering and Technology (IRJET)	Volume 11 Issue 4 April 2024	p-ISSN: 2395-0072	https://www.irjet.net/archives/V11/i4/IRJET-V1114452.pdf
44	MPPT Based Solar Sun Tracker Using IOT	Prof. Shekhar Gulwade	Mechanical	International Research Journal of Engineering and Technology (IRJET)	Volume: 10 Issue: 03 Mar 2023	p-ISSN: 2395-0072	https://www.irjet.net/archives/V11/i4/IRJET-V1114157.pdf
45	Design and manufacturing of conveyor system for automatic parameter detection of gear by image processing.	Prof. Priyanka Barde	Mechanical	International Research Journal of Modernization in Engineering Technology and Science	Volume: 06/Issue: 04/April-2024	e-ISSN: 2582-5208	www.irjmet.com
46	Analysis of Influence of process parameters of laser cutting on aluminium alloy [AL6061]	Prof. Vijay Kharade	Mechanical	IRJET	11: 05 may 2024	p-ISSN: 2395-0072	https://www.irjet.net/archives/V11/i5/IRJET-V111599.pdf
47	"Improving Electric 2-Wheeler Battery Thermal Management through Liquid Cooling"	Prof. Dr. Mahesh Gaikwad	Mechanical	International Research Journal of Engineering and Technology (IRJET)	Volume: 10 Issue: 03	p-ISSN: 2395-0072	https://www.irjet.net/archives/V11/i5/IRJET-V111542.pdf
48	Investigating the performance of solar dryer using phase change material	Dr Amol yadav	Mechanical	JournalNX	10 & 5	ISSN No: 2581 - 4230	https://repo.journalnx.com/index.php/nx/article/download/5363/5100/10365
49	Remote access to real time data logger for cam jump phenomenon using IoT.	Prof.(Dr.) Nilesh Alone	Mechanical	International Research Journal of Engineering and Technology (IRJET)	Volume : 11, Issue : 05 May 2024	p-ISSN: 2395-0072	https://www.irjet.net/archives/V11/i5/IRJET-V1115161.pdf
50	Design and Fabrication of Automated Paper Punching Machine	Ganesh Kulkarni	Mechanical	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume no - 08 issue no - 05	ISSN: 2582-3930	https://ijsrem.com/
51	Motorized Papar Shredder Machine	Dr. Nikesh alone	Mechanical	International Research Journal of Modernization in Engineering Technology and Science	Volume: 06/Issue: 05/May-2024	e-ISSN: 2582-5208	https://www.doi.org/10.56726/IRJMET56816
52	Sign Language Recognition Using Python	Vijaya Avati	Mechanical	INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING AND MANAGEMENT (IJSREM)	Volume:08 & Issue 04	ISSN: 2582-3930	https://ijsrem.com/
53	Automated Face Detection System for Attendance Management in Educational Institutions	Prof. Renuka Kanojiya	Mechanical	International Research Journal of Innovations in Engineering and Technology (IRJIET)	Volume 8, Issue 4	ISSN (online): 2581-3048	https://doi.org/10.47001/IRJIET/2024.804031

54	Design Investigation of composite material joint for strength as replacement to metal joint.	Dr. Jahier Abbas Shaaikh	Mechanical	International Research Journal of Engineering and Technology	Volume 11 & Issue No - 216	p-ISSN: 2395-0072	https://www.irjet.net/archives/V11/i4/IRJET-V1114216.pdf
55	Structural Optimization of Wheel Rim by Using Finite Element Analysis	Prof.Amruta Rananaware	Mechanical	International Reaserch Journal of Engineering and Technology	Vol.11 & Issue.04	p-ISSN: 2395-0072	https://www.irjet.net/archives/V11/i4/IRJET-V1114241.pdf
56	Power Generation using Vertical Axis Wind Turbine	Prof. Shekhar Gulwade	Mechanical	International Research Journal of Engineering and Technology (IRJET)	Volume 11, Issue 05	p-ISSN: 2395-0072	https://www.irjet.net/archives/V11/i5/IRJET-V1115199.pdf
57	Performance Evaluation of dimple type Fins	Prof Paramveer Patil	Mechanical	International Research Journal Of Modernization in Engineering Technology And Science	Volume : 06 and Issue : 05	e-ISSN: 2582-5208	DOI : https://www.doi.org/10.56726/IRJMETS57862
58	Automatic Pesticide Spray Machine	Dr. Mahesh Gaikwad Sir	Mechanical	International Research Journal of Modernization in Engineering Technology and Science	volume: 06/Issue: 04/April-2024	e-ISSN: 2582-5208	www.irjmets.com
59	Design and manufacturing of conveyor system for automatic parameter detection of gear by image processing	Prof. Priyanka Barde	Mechanical	International Research Journal of Modernization in Engineering Technology and Science	Volume: 06/Issue: 04/April-2024	e-ISSN: 2582-5208	www.irjmets.com
60	Design and development of automated guided vehicle for small scale industry	Dr jahier Abbas shaaikh	Mechanical	International Journal of Scientific Research in Engineering and Management (IRJSEM)	08, 04	ISSN: 2582-3930	10.55041/IJSREM31407
61	Self Balancing vehicle using Gyroscope	Dr. Mahesh Gaikwad	Mechanical	International Research Journal of Modernization in Engineering Technology and Science	Volume:06, e-ISSN: 2582-5208	e-ISSN: 2582-5208	www.irjmets.com
62	Analysis of TAE by Modifying Cold & Hot Heat Exchanger Using Waste Heat Recovery:	Prof. (Dr.) Mahesh Gaikwad	Mechanical	International Journal of Scientific Research in Engineering and Management (IJSREM)	8	ISSN: 2582-3930	https://ijsrem.com/currentissues/ , https://ijsrem.com/volume08issue05may2024/
63	Wave Energy Generation Using Tidal Waves	Dr. Mahesh Gaikwad	Mechanical	Development Of Tidal Wave Generation	Volume: 06/Issue:04	e-ISSN: 2582-5208	www.irjmets.com
64	Experimental Investigation of Compressed Air Flow Characteristics of Air Convergent - Divergent Nozzle	Mr. Prof. shivanand talwar	Mechanical	International Research Journal of Modernization in Engineering Technology and Science	IRJMETS6050308854	p-ISSN: 2395-0072	https://drive.google.com/file/d/1RgUvfjDEvwpBefAaUfvcMPdsW5Lbi/viiew?usp=sharing

65	Experimental Investigation of Compressed Air Flow Characteristics of Convergent –Nozzle	Prof. Shivanand Talwar	Mechanical	International Research Journal of Modernization in Engineering Technology and Science	IRJMETS60500309169	e-ISSN: 2582-5208	https://www.irjmets.com/
66	Efficiency Improvement of Shell and tube type heat exchanger	Dr.Nilesh Alone	Mechanical	Journal of emerging technologies and Innovative Research	Volume X Issue X	(ISSN-2349-5162)	https://www.jetir.org/trackauthorhome.php?a_rid=541796
67	Electricity Generated by using TEG plates	Prof.Vijay kharade	Mechanical	International Research Journal Technology and science	Volume: 06/issue 5 may 2024	e-ISSN: 2582-5208	https://www.irjmets.com/
68	Design of Rocker bogie mechanism	Prof. Irfan pathan	Mechanical	IRJMETS	IRJMETS60500311152	e-ISSN: 2582-5208	https://drive.google.com/open?id=1J-AM9seUY6-v76e6T2U1SDsN Ogj_ezm8
69	STRATEGIC MARKETING MANAGEMENT IN THE DIGITAL ERA: NAVIGATING TRENDS AND TECHNOLOGIES	Dr. Hake Chandrakant Dattatraya	MBA	Humanities and Social Science Studies	Vol. 13, Issue 1, No. 2,	ISSN 2319-829X	https://drive.google.com/file/d/186y psbaX2KK490ndg FMy9BF0dcUx09 S2/view?usp=sharing
70	INNOVATIVE PRODUCT POSITIONING: A KEY ELEMENT IN CONTEMPORARY MARKETING MANAGEMENT	Dr. Hake Chandrakant Dattatraya	MBA	Rabindra Bharati University Journal of Economics		ISSN : 0975-802X	https://drive.google.com/file/d/1qb2_zbq7s3UHqc03flk kGs0_K7slczbl/view?usp=sharing
71	INTEGRATING AI WITH MARKETING AUTOMATION FOR OPTIMIZED CAMPAIGN PERFORMANCE	Prof. Rahul Mangal Kumavat	MBA	Madhya Pracdesh Journal of social science		ISSN: 0973-855X	https://drive.google.com/file/d/1isb1-mvpFnkrj4ezzGsp 5LpWxJtDHoAe/v iew?usp=sharing
72	INTEGRATING AI WITH MARKETING AUTOMATION FOR OPTIMIZED CAMPAIGN PERFORMANCE	Prof. Swayam Shah	MCA	Madhya Pracdesh Journal of social science		ISSN: 0973-855X	https://drive.google.com/file/d/1isb1-mvpFnkrj4ezzGsp 5LpWxJtDHoAe/v iew?usp=sharing