



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

College Details

1. Name Of the Department/College/Institute	: Bharati Vidyapeeth Bharati Vidyapeeth Mahila Abhiyantriki Mahavidyalay Addr: Pune-Satara Road Dhanakawadi Pune Ta: Pune (corporation Area) Dist: Pune	2. Address Of the Department/College/Institute	: Pune-Satara Road Dhanakawadi Pune Ta: Pune (corporation Area) Dist: Pune Pincode: 411043
3. Name Of the Head/Principal/Director	: Pradeep Vitthal Jadhav	4. Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address	: Tele.- 020-24371684 Email- coewpune@bharativedyapeeth.edu URL- http://coewpune.bharativedyapeeth.edu

5. Reference Books/Monographs Published by Teacher (2023-2024) :

Sr. No.	Name of the Teacher(s)/Author	Title of the Reference Books/Monographs	Name and Place of Publisher(s)	Date of Publication	Isbn/Issn No.
1	Kore Sharada Laxman	The current state of Art-Indian Unleavened Flat Bread Cooking	Springer Nature, Singapore	2023	978-981-99-3760-8 / 2367-3370
2	Kore Sharada Laxman	Disease Detection On Grapes: A Review	Springer, Singapore	2023	978-981-99-2853-8 / 2524-7565
3	Kore Sharada Laxman	The current state of Art-Indian Unleavened Flat Bread Cooking	Springer	2023	978-981-99-3760-8 / 2367-3370
4	Kore Sharada Laxman	Disease detection on grapes: a review	Springer	2023	978-981-99-2854-5 / 2524-7573
5	Pawar Vijaya Rahul	Converging emotion recognition with AI and IoT	Institution of Engineering and Technology	2024	978-183953732-5, 978-183953731-8 / 978-183953732-5, 978-183953731-8
6	Dhole Sampada Abhijit	Advancing Zero-Shot Learning With Fully Connected Weighted Bipartite Graphs in Machine Learning	IGI Global.	2024	9798369318225 / 9798369318225
7	Dhole Sampada Abhijit	Comparative Study for Applicability of Color Histograms for CBIR Used for Crop Leaf Disease Detection	Wiley	2023	9781394173327 / 9781394173327
8	Kadam Sonali Popatrao	A systematic review on security mechanism of Electric Vehicles	springer	2023	- / -
9	Kadam Sonali Popatrao	The role of artificial intelligence and the internet of things in smart agriculture towards green engineering	crc press	2023	- / -



Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development



AR2406931

6. No. of Conference, Symposia, Seminars, Workshops etc. Organized (2023-2024)						
Sr. No.	No. of State Level	No. of National Level	No. of International Level			
1	5	0	0			
7. Research Publications in National and International Journals/Edited Books/Proceedings (2023-2024)						
Sr. No.	Name of the Teacher's/Author	Title of the Paper	Name of the Journal/Proceeding/Edited Book	Volume & Pages	Year of Publication	ISBN/ISSN No.
1	Chorage Suvarna Sandip	Design Optimization of a Capacitive Sensor for Mass Measurement of Nanometer-Sized Exhaust Carbon Particles	Proceedings of Engineering and Technology Innovation	24 & 9	2023	2518-833 / 2518-833
2	Chorage Suvarna Sandip	Design, Simulation and Mathematical Modelling of Slotted Microstrip Patch Reconfigurable Antenna Array for Future Wireless Communication	Advances in Nonlinear Variational Inequalities	27 & 14	2024	1092-910X / 1092-910X
3	Chorage Suvarna Sandip	MOTOR IMAGERY SIGNAL CLASSIFICATION FOR BRAIN-COMPUTER INTERFACE USING RideNN WITH HOLO-ENTROPY FEATURES	Biomedical Engineering: Applications, Basis and Communications World scientific	1 & 10	2024	2450019 / 2450019
4	Chorage Suvarna Sandip	A Robust Autism Brain MRI Classification with GLCM Features and Machine Learning	Frontiers in Health Informatics (Iranian Medical Informatics Association)	13 & 6	2024	2676-7104 / 2676-7104
5	Chorage Suvarna Sandip	Design Optimization of a Capacitive Sensor for Mass Measurement of Nanometer-Sized Exhaust Carbon Particles	Proceedings of Engineering and Technology Innovation	24 & 9	2023	2518-833 / 2518-833



Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development



AR2406931

6	Naikwadi Kiran Bibhishan	A Comparative Study Between Anterior Posterior and Superior Inferior Flap Suturing Technique in Endoscopic Dacryocystorhinostomy at our Tertiary Institution	Indian Journal of Otolaryngology and Head and Neck Surgery	75 & 29272935	2023	22313796 / 22313796
7	Naikwadi Kiran Bibhishan	A Case Series of Dentigerous Cyst in Paediatric Patients at Our Tertiary Institution	Indian Journal of Otolaryngology and Head and Neck Surgery	75 & 24442452	2023	22313796 / 22313796
8	Kadam Sonali Popatrao	The performance of Logistic Regression, Decision Tree, KNN, Naive Bayes and SVM for identifying Automotive Cybersecurity Attack and Prevention: An Experimental Study	Journal Electrical Systems	20 & 5	2024	1112-5209 / 1112-5209
9	Kadam Sonali Popatrao	Predictive YOLO V7 Model of Dental Implant for Radiographic Images	International Journal of Intelligent Systems and Applications in Engineering	12 & 5	2024	2147-67992 / 2147-67992
10	Kadam Sonali	Assessing Emission and Reduction Strategies for Volatile Organic Compounds (VOCs) in Refinery	Journal of Indian Association for Environmental Management	43 & 10	2024	2582-4228 / 2582-4228
11	Kadam Sonali Popatrao	Advancement in Green and Eco-friendly Technologies for Industrial waste Remediation	Journal of Indian Association for Environmental Management	44 & 10	2024	2582-4228 / 2582-4228
12	Kadam Sonali Popatrao	Review of Artificial Intelligence Techniques For Dental Implants Using Radiographic Images	International Journal of Creative Research Thoughts	11 & 4	2023	2320-2882 / 2320-2882
13	Kadam Sonali Popatrao	Factory Downtime Prediction Using Machine Learning Algorithms	Journal of Emerging Technologies and Innovative Research	10 & 4	2023	2349-5162 / 2349-5162
14	Kulkarni Vinaya Deepak	Advancements in Deep Learning Based Sign Language Gesture Recognition for Enhanced Communication Accessibility	Bulletin For Technology And History Journal	23 & 9	2023	- / 0391-6715



Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development



AR2406931

15	Kulkarni Vinaya Deepak	Helmet, Number Plate Detection and Stolen vehicle recognition using Machine Learning	INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS - IJCRT	11 & 4	2023	- / 2320-2882
16	Kulkarni Vinaya Deepak	A System to Identify Threats on Social Media Conversations and Providing Preliminary Legal Actions	International journal of Research and analytical review	10 & 5	2023	- / 2348-1269
17	Shelke Sheetal Venkatrao	Web-Based Application for Plant Leaf Disease Detection	Journal of Electrical Systems	20 & 10	2024	0 / 1112-5209
18	Kasar Mahavir Shantinath	Modern Loan Approval Prediction System Based on Machine Learning	Journal of Basic Sciences	23 & 9	2023	1006-8341 / 1006-8341
19	Kasar Mahavir Shantinath	Overview of WiMAX	Journal of Basic Sciences	23 & 5	2023	1006-8341 / 1006-8341
20	Kasar Mahavir Shantinath	A System for Early Flood Detection and Alarming Using Machine Learning Techniques	Journal of Basic Sciences	23 & 7	2023	1006-8341 / 1006-8341
21	Itkarkar Savita Atul	Life Partner Expectations: Young Female Engineering Students	Indian Journal of Youth and Adolescent Health	10 & 7	2023	-- / 2349-2880
22	Itkarkar Savita Atul	Enhancing Environmental Monitoring – A LoRa-Based Wireless Sensor Network Approach	ECOLOGICAL ENGINEERING & ENVIRONMENTAL TECHNOLOGY	24 & 10	2024	-- / 2719-7050
23	Itkarkar Savita Atul	IOT BASED AIR AND SOUND POLLUTION MONITORING AND RAINFALL DETECTION SYSTEM	Journal For Basic Sciences	23 & 6	2023	-- / 1006-8341
24	Warke Kanchan Shashikant	Energy Audit and Energy Conservation Potential of Medical College	The Indian Journal of Technical Publication	46 & 8	2023	0971-3034 / 0971-3034
25	Warke Kanchan Shashikant	Predictive YOLO V7 Model of Dental Implant for Radiographic Images	International Journal of Intelligent Systems and Applications in Engineering	44 & 6	2024	2147-6799 / 2147-6799
26	Warke Kanchan Shashikant	Sustainable Energy Assessment and Optimization for Higher Education Institute	Journal of Propulsion Technology	44 & 10	2023	1001-4055 / 1001-4055



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

27	Warke Kanchan Shashikant	DEEPPFAKE DETECTION THROUGH DEEP LEARNING USING RESNEXT CNN AND LSTM	Journal of Emerging Technologies and Innovative Research	10 & 10	2023	349-5162 / 349-5162
28	Warke Kanchan Shashikant	DEEPPFAKE DETECTION THROUGH DEEP LEARNING	International Journal of Innovative Research in Engineering and Multidisciplinary Physics Science	10 & 7	2023	2349-5162 / 2349-5162
29	Patwardhan Milind Anand	Novel low-temperature synthesis of $Y_2-xO_3:Eu^{3+}$ nanophosphor using combustion with thioglycerol as fuel for near-UV light-emitting diodes	Luminescence Wiley	38 & 19211928	2023	1522-7243 / 1522-7243
30	Patwardhan Milind Anand	JO parameter analysis for $Y_2O_3:Eu^{3+}$ nanophosphor synthesis by novel low temperature combustion method with thioglycerol as fuel for near UV light emitting diode	Journal of Optics	53 & 0	2024	0972-8821 / 0974-6900
31	Rajbhaj Sushilkumar Mahadeo	Enhancing Environmental Monitoring – A LoRa-Based Wireless Sensor Network Approach	Ecological Engineering and Environmental Technology	25 & 10	2024	NA / 2719-7050
32	Rajbhaj Sushilkumar Mahadeo	Intelligent Framework to Detect Diabetic Mellitus (DM) Using Supervised Learning	Journal For Basic Sciences	23 & 8	2023	NA / 1006-8341
33	Rajbhaj Sushilkumar Mahadeo	MELANOMA SKIN CANCER DETECTION USING DEEP LEARNING	Journal For Basic Sciences	23 & 6	2023	- / 1006-8341
34	Rajbhaj S M	Zigbee-based Detection of Person with High Temperature and Patient Monitoring	Journal For Basic Sciences	23 & 10	2023	- / 1006-8341
35	Bhilegaonkar Sanjay Mukundrao	Design and Performance Evaluation of Cavity-Backed SIW Antenna for Monopulse Applications	International Journal on Recent and Innovation Trends in Computing and Communication	11 & 1917	2023	2321-8169 / 2321-8169



Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development



AR2406931

36	Sawant Kavita Shantanu	Detection of Lane and Speed Breaker Warning System for Vehicles	International Research Journal on Advanced Engineering and Management	2 & 7	2024	2584-2854 / 2584-2854
37	Sawant Kavita Shantanu	Lane and Speed Breaker Warning System for Vehicles	International Journal of Creative Research Thoughts(IJCRT)	11 & 4	2023	2320-2882 / 2320-2882
38	Sawant Kavita Shantanu	Identification of Security Threats and Legitimate Status	Journal of Emerging Technologies and Innovative Research	11 & 5	2024	2349-5162 / 2349-5162
39	Godse Deepali	Evaluation of Delay Parameter of MQTT Protocol	International Journal of Engineering Trends and Technology	71 & 9	2023	- / 23490918
40	Sapkal Roshnadevi Jaising	A cutting-edge artificial intelligence paradigm for entertainment-infused music recommendations	Entertainment Computing	51 & 8	2024	1875-9521 / 1875-9521
41	Yawle Pranali Rajesh	Low rank sparse coefficient based nuchal translucency image de-noising	Journal of Information & Optimization Sciences	45 & 333	2023	NA / 2169-0103
42	Yawle Pranali Rajesh	Web-Based Application for Plant Leaf Disease Detection	J. Electrical Systems	20 & 73	2023	NA / 1112-5209
43	Jadhav Pradeep Vitthal	Endodontic treatment parameter optimization using central composite rotatable design	Research on Engineering Structures and Materials	10 & 10	2024	-- / 21489807
44	Jadhav Pradeep Vitthal	Mathematical Modelling of Response Parameters During Ultrasonic Assisted Electro-Discharge Machining Process	International Journal of Engineering Trends and Technology	71 & 7	2023	- / 2231-5381
45	Jadhav Pradeep Vitthal	Process parameter improvement for NIT's electrical discharge machining (EDM) process utilizing the TOPSIS approach	Research on Engineering Structures and Materials	9 & 12	2023	21489807 / 21494088
46	Jadhav Pradeep Vitthal	A Review on high speedmicro- milling of shape memory alloy (NiTiNOL);Process and post perspective	International Journal on Interactive Design and Manufacturing (IJIDeM)	1 & 17	2024	1955-2505 / 1955-2505



Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development



AR2406931

47	Jadhav Pradeep Vitthal	An experimental investigation of photo chemical machining process for stainless-steel material by using different etchants	Materials Today: Proceedings	10 & 7	2023	22147853 / 22147853
48	Jadhav Pradeep Vitthal	Experimental and numerical investigation on fault diagnosis of horizontal rotor-bearing system using central composite rotatable design (CCRD)	AIP Con Proceeding	27165 & 16	2023	- / 0094243X, 15517616
49	Jadhav Pradeep Vitthal	Effects of stabilization on structures and properties of Electrospun Polyacrylonitrile based carbon nanofibers as a binder free electrode for super capacitor application	Materials Today: Proceedings	72 & 5	2023	- / 2214-7853
50	Jadhav Pradeep Vitthal	Multi objective Optimizations of friction stir welding process parameters for reinforcement of copper particles in aluminum alloy using Taguchi based grey relational analysis (GRA) and ANOVA.	journal of physics	2604 & 12	2023	- / 1742-6596
51	Jadhav Pradeep Vitthal	Multi-objective optimization in wire electro discharge machine turning of stain less steel 316	AIP Con Proceeding	2716 & 9	2023	- / 1551-7616
52	Jadhav Pradeep Vitthal	Bearing element integrity analysis using dimensional analysis and response surface method (RSM) for fault diagnosis of rotor bearing system	AIP Con Proceeding	2716 & 16	2023	- / 0094243X, 15517616
53	Jadhav Pradeep Vitthal	Fabrication of PDMS based micro channel for lab-on-a-chip application using CO2laser machining	AIP Con Proceeding	2716 & 7	2023	- / 0094243X, 15517616



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

54	Dhole Sampada Abhijit	Dorsal Vein Recognition System Using Texture Features	Intelligent Systems and Applications in Engineering	12 & 8	2024	2147-6799 / 2147-6799
55	Dhole Sampada Abhijit	Multimodal Biometric Identification system using Random Selection of Biometrics	SSRG International Journal of Electrical and Electronics Engineering	10 & 11	2023	2348-8379 / 2348-8379
56	Dhole Sampada Abhijit	IoT-Based Monitoring Systems for Tracking Wildlife Health and Migration Patterns	African Journal of Science	6 & 16	2024	2663-2187 / 2663-2187
57	Kanade Ashwini Vitthal	CNN based Blockchain Information Protection Model for Emerging Cloud Applications	International Journal on Recent and Innovation Trends in Computing and Communication	12 & 8	2023	2321-8169 / -
58	Chaudhari Kalyani Ramesh	Measurement of Nuchal Translucency Thickness in First Trimester Ultrasound Foetal Images Using Markov Random Field	Journal of Pharmacology and Pharmacotherapeutics	15 & 8	2024	- / 0976-5018
59	Chaudhari Kalyani Ramesh	Clinical investigations to calculate nuchal translucency using F-Net	Journal of Applied Pharmaceutical Research	12 & 6	2024	- / 2348-0335.
60	Chaudhari Kalyani Ramesh	KIDNEY STONE PREDICTION USING NEURAL NETWORK	Journal For Basic Sciences	23 & 5	2023	- / ISSN NO : 1006-8341
61	Jain Roma Rakesh	Ultrasonic Vibrator And Audio Glove Third Eye For Blind Peoples	Journal For Basic Sciences/Fangzhi Gaoxiao Jichukexue Xuebao	23 & 4	2023	ISSN : 1006-8341 / ISSN : 1006-8341
62	Jain Roma Rakesh	Dorsal Vein Recognition System Using Texture Features	International Journal of Intelligent Systems and Applications in Engineering	12 & 8	2024	ISSN:2147-67992 / ISSN:2147-67992
63	Jain Roma Rakesh	SMART GLASSES FOR THE VISUALLY IMPAIRED PEOPLE	ADALYA JOURNAL	Vol 12 & 6	2023	ISSN : 1301-2746 / ISSN : 1301-2746
64	Jain Roma Rakesh	ULTRASONIC VIBRATOR AND AUDIO GLOVE THIRD EYE FOR BLIND PEOPLES	Journal For Basic Sciences	23 & 7	2023	ISSN NO : 1006-8341 / ISSN NO : 1006-8341



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

65	Mulla Nilofar Altafhusen	Robotic Framework for Requirement Management, Estimations and Project Proposals	International Research Journal on Advanced Engineering Hub (IRJAEH)	2 & 9	2024	- / 2584-2137
66	Mulla Nilofar Altafhusen	Robotic Framework for Requirement Management, Estimations and Project Proposals	International Research Journal on Advanced Engineering Hub (IRJAEH)	2 & 9	2024	- / 2584-2137
67	Mulla Nilofar Altafhusen	Performance Scrutiny of Price Prediction on Blockchain Technology Using Machine Learning	Journal of Electrical Systems (JES)	20 & 7	2024	- / 1112-5209
68	Mulla Nilofar Altafhusen	Review on Steganography and Cryptography	Ecosystem Services	25 & 8	2023	- / 22120416
69	Mulla Nilofar Altafhusen	Fake Product Identification Using Machine Learning	International Research Journal on Advanced Engineering and Management (IRJAEM)	6 & 6	2024	- / 2584-2854
70	Mulla Nilofar Altafhusen	Performance Scrutiny of Price Prediction on Blockchain Technology Using Machine Learning	Journal of Electrical Systems (JES)	20 & 7	2024	- / 1112-5209
71	Mulla Nilofar A	Quantum Computing and Deep Learning Integration: Challenges and Opportunities	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)	12 & 10	2024	- / 2147-6799
72	Khairkar Ashwini Deepak	Predictive YOLO V7 Model of Dental Implant for Radiographic Images	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	12 & 6	2023	- / 2147-6799
73	Pawar Shital Ashok	A Novel Stack Ensembled Approach for Emotion Recognition from EEG Signals: Performance and Robustness Analysis	International Journal of Intelligent Systems and Applications in Engineering	11 & 7	2023	- / 2147-6799
74	Pawar Shital Ashok	Analyzing Existing Algorithms and Identifying Gaps in Brain Stroke Detection	Journal of Electrical Systems	20 & 9	2024	- / 1112-5209



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

75	Pawar Shital Ashok	Vision Based Empty Shelf Space Detection In Retail Application With Telegram Notification To Staff	High Technology Letters	30 & 5	2024	- / 1006-6748
76	Pawar Shital Ashok	Evaluation of Delay Parameter of MQTT Protocol	SSRG International Journal of Engineering Trends and Technology	71 & 9	2023	- / 2231 – 5381
77	Pawar Shital Ashok	Evaluation of quality of service parameters for MQTT communication in IoT application by using deep neural network	International Journal of Information Technology	16 & 13	2024	- / 2511-2104
78	Pawar Shital Ashok	Trust Management System in Internet of Things: A Survey	International Journal of Safety and Security Engineering	13 & 7	2023	- / 2041- 9031
79	Pawar Shital Ashok	Dental Disease Detection Using Deep Learning	Journal Of Emerging Technologies and Innovative Research (JETIR)	10 & 7	2023	- / 2349-5162
80	Pawar Shital Ashok	Fall Detection for Elderly People Using Machine Learning	Journal Of Emerging Technologies and Innovative Research (JETIR)	10 & 6	2023	- / 2349-5162
81	Pawar Shital Ashok	Security and QoS (Quality of Service) Related Current Challenges in IoT	SSRG International Journal of Electronics and Communication Engineering	10 & 12	2023	- / 2348-8549
82	Patil Sonal Mohanrao	Medical Estimating PF Machine Learning and IoT in Melancholy among Diabetic Patients	International Journal on Recent and Innovation Trends in Computing and Communication	11 & 104109	2023	- / 2321-8169
83	Patil Sonal Mohanrao	Smart voice, controlled door locking and LPG Leakage Detector	International Journal for scientific research and development	10 & 110111	2023	- / 2321-0613,
84	Itkarkar Savita Atul	IOT BASED AIR AND SOUND POLLUTION MONITORING AND RAINFALL DETECTION SYSTEM,	Journal of Emerging Technologies and Innovative Research	10 & 4	2023	-- / 2349-5162
85	Itkarkar Savita Atul	IOT BASED WALKING STICK FOR VISUALLY IMPARED USING RASPBERRY PI	INTERNATIONAL JOURNAL OF COMPUTER ENGINEERING AND APPLICATIONS	17 & 7	2023	-- / 2321-3469



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

86	Godse Deepali Atul	Automated Video and Audio based Stress Detection using Deep Learning Techniques	International Journal on Recent and Innovation Trends in Computing and Communication	11 & 6	2023	- / 2321-8169
87	Godse Deepali Atul	Review on Steganography and Cryptography	Elsevier_Ecosystem Services	25 & 8	2023	- / 2212-0416
88	Sawant Kavita Shantanu	CNN based Blockchain Information Protection Model for Emerging Cloud Applications	International Journal on Recent and Innovation Trends in Computing and Communication	12 & 8	2023	2321-8169 / 2321-8169
89	Sawant Kavita Shantanu	Identification of Security Threats and Legitimate Status	International Journal of Creative Research Thoughts(IJCRT)	11 & 4	2023	2320-2882 / 2320-2882
90	Kute Yogesh Damodar	© Low rank sparse coefficient based nuchal translucency image de-noising	Journal of Information & Optimization Sciences	45 & 333341	2024	- / 0252-2667
91	Sagar Swati Ashok	Energy audit and Energy conservation potential of Medical College	Indian Journal of Technical Education	46 & 8	2023	- / 0971-3034
92	Sagar Swati Ashok	Sustainable Energy Assessment and Optimization for Higher Education Institute! A Pathway to Achieve SDG 7 and 12	tuijin jish(journal of propulsion technology)	44 & 10	2023	- / 1001-4055
93	Rane Mugdha Arvind	CNN based Blockchain Information Protection Model for Emerging Cloud Applications	International Journal on Recent and Innovation Trends in Computing and Communication	121 & 8	2024	2321-8169 / 2321-8169
94	Rane Mugdha Arvind	Accurate Prediction Of Sepsis In ICU Patients.	International Journal of Creative Research Thoughts	12 & 8	2024	2320-2882 / 2320-2882
95	Rane Mugdha Arvind	"Robotic Framework for Customer Care and Digital Marketing "	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	10 & 6	2024	2349-6002 / 2349-6002
96	Rane Mugdha Arvind	TECHNET BVCOEW COMMUNITY - Web Portal	Journal of Engineering, Computing and Architecture	13 & 7	2023	1934-7197 / 1934-7197
97	Rane Mugdha Arvind	OPERATING VIRTUAL MOUSE AND KEYBOARD USING GESTURES RECOGNITION	Journal of Emerging Technologies and Innovative Research	10 & 5	2023	2349-5162 / 2349-5162



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

98	Mahajan Kanchan Deepak	Web-Based Application for Plant Leaf Disease Detection	J. Electrical Systems	20 & 73	2024	NA / 1112-5209
99	Mahajan Kanchan Deepak	AI for Neurological Disorder: Alzheimer's	International Research Journal on Advanced Engineering Hub (IRJAEH)	2 & 2083	2024	Nil / 2584-2137
100	Mahajan Kanchan Deepak	X-Y Plotter Robo Using mXY Board	Journal for Basic Sciences	23 & 1678	2023	Nil / 1006-8341
101	Mahajan Kanchan Deepak	ISM Band Rectangular Microstrip Patch Antenna for 2.4 GHz	Journal for Basic Sciences	23 & 316	2023	Nil / 1006-8341
102	Hadke Seema Arun	Medical Estimating PF Machine Learning and IoT in Melancholy among Diabetic Patients	International Journal on Recent and Innovation Trends in Computing and Communication	11 & 6	2023	- / 2321-8169
103	Pawar Vijaya Rahul	From face detection to emotion recognition on the framework of Raspberry pi and galvanic skin response sensor for visual and physiological biosignals	Journal of Electrical Systems and Information Technology	10 & 27	2023	2314-7172 / 2314-7172
104	Patil Varsha K	Real Time Emotion Recognition with AD8232 ECG Sensor for Classwise Performance Evaluation of Machine Learning Methods	International Journal of Engineering	36 & 8	2023	2423-7167 / 1735-9244
105	Pawar Vijaya Rahul	Deep Learning Based Depression Analysis using EEG and ECG Signals	SSRG International Journal of Electrical and Electronics Engineering	10 & 10	2023	2348-8379 / 2348-8379
106	Pawar Vijaya Rahul	Machine learning based approach for lesion segmentation and severity level classification of diabetic retinopathy	Journal of Integrated Science and Technology	11 & 8	2023	2321-4635 / 2321-4635
107	Pawar Vijaya Rahul	Dr. V. R. Pawar Dr. V. R. Pawar [PDF] from thesciencein.org Human Anomalous Activity detection with CNN-LSTM approach	Journal of Integrated Science and Technology	12 & 7	2023	2321-4635 / 2321-4635



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

108	Kashid A	Role of visual examination and microstructure examination in development of Al-Si Alloy Foam	Journal of Integrated Science and Technology	12 & 7	2023	2321-4635 / 2321-4635
109	Pawar Vijaya Rahul	Facial Expression Recognition for Low Resolution Images using Local and Global Features with SVM Classifier	SSRG International Journal of Electrical and Electronics Engineering	10 & 7	2023	2348-8379 / 2348854
110	Jadhav Jayashree Dhananjay	Unmasking Depression : Analyzing Disclosure Behavior on Social Media	International Journal of Research and Analytical Reviews (IJRAR)	10 & 4	2023	- / 2349-5138
111	Jadhav Jayashree Dhananjay	Automated Video and Audio based Stress Detection using Deep Learning Techniques	International Journal on Recent and Innovation Trends in Computing and Communication	11 & 6	2023	- / 2321-8169
112	Jagdale Sumati Manoj	Research Paper:-IoT Based Monitoring Systems for Tracking Wildlife Health and Migration Patterns.	African Journal of Biological Sciences	6 & 6	2024	-- / 26632187
113	Jagdale Sumati Manoj	Multimodal Biometric Identification system using Random Selection of Biometrics	SSRG International Journal of Electrical and Electronics Engineering	10 & 6	2023	-- / 23488379
114	Pawar Avinash Manohar	A NEURAL NETWORK BASED MACHINE TRANSLATION MODEL FOR ENGLISH TO AHIRANI LANGUAGE	Shu Ju Cai Ji Yu Chu Li/Journal of Data Acquisition and Processing	38 & 15	2023	- / 1004-9037
115	Pawar Avinash Manohar	A WEB PAGE CLASSIFICATION SURVEY ON TECHNIQUES USING TEXT MINING	Shu Ju Cai Ji Yu Chu Li/Journal of Data Acquisition and Processing	38 & 17	2023	- / 1004-9037
116	Pawar Avinash Manohar	Local Industrialization Based Lucrative Farming Using Machine Learning Technique	International Journal on Recent and Innovation Trends in Computing and Communication	11 & 7	2023	2321-8169 / 2321-8169
117	Pawar Avinash Manohar	Application of phase change material (PCM) in battery thermal management system (BTMS): A critical review	Materials Today	2023 & 7	2023	ISSN: 2214-7853 / ISSN: 2214-7853



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

118	Pawar Avinash Manohar	Validation of effect of composite additive on optimized combustion characteristics of CI engine using AHP and GRA method	Heliyon	10 & 22	2024	2405-8440 / 2405-8440
119	Chorage Suvarna Sandip	Design Optimization of a Capacitive Sensor for Mass Measurement of Nanometer-Sized Exhaust Carbon Particles	Proceedings of Engineering and Technology Innovation	24 & 10	2023	24137146 / 24137146
120	Warke Kanchan Shashikant	FALL DETECTION FOR ELDERLY PEOPLE USING MACHINE LEARNING	Journal of Emerging Technologies and Innovative Research	10 & 6	2023	2349-5162 / 2349-5162
121	Pawar Vijaya Rahul	A Systematic Approach to Detect Insider Attacks and Exploitation in Cyber Physical System	Proceedings of the 18th INDIACom; 2024 11th International Conference on Computing for Sustainable Global Development, INDIACom 2024,	6	2024	979-8-3503-9450-4 / 979-8-3503-9450-4
122	Deshmukh Preeti R	Deep Learning-based Automated System for Identification and Gradation of Severity Levels in Diabetic Retinopathy	Proceedings of the 18th INDIACom; 2024 11th International Conference on Computing for Sustainable Global Development, INDIACom 2024,	7	2024	978-93-80544-51-9 / 978-93-80544-51-9
123	Jagdale Sumati Manoj	Deep Learning Method for Early Alzheimer Disease Diagnosis Based on EEG Signal	AIP Conference Proceedings	6	2023	- / 1551-7616
124	Sapkal Roshnadevi Jaiisng	Automatic Handwriting Analysis and Personality Trait Detection using Multi-Task Learning Technique	2023 10th International Conference on Computing for Sustainable Global Development (INDIACom)	7	2023	978-93-80544-47-2 /
125	Yawle Pranali Rajesh	ML-based Blood Pressure Estimation using Converted PPG Signal from Video	2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)	1182	2023	NA / NA
126	Jadhav Pradcep Viithal	Filament Fabrication for 3D Printing Using Waste PET Material	Techno-societal 2022	9	2023	978-3-031-34643-9 / -
127	Dhole Sampada Abhijit	Detection of Lung Cancer from CT Scan Images using GLCM Features	Grenze International Journal of Engineering and Technology,	7	2023	2395-5295 / 2395-5295



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

128	Pawar Avinash Manohar	Music Generation Using RNN-LSTM with GRU	2023 International Conference on Integration of Computational Intelligent System (ICICIS)	5	2024	ISBN:979-8-3503-1878-4 / Electronic ISBN:979-8-3503-1878-4 CD:979-8-3503-1875-3 Print on Demand(PoD) ISBN:979-8-3503-1879-1
129	Pawar Avinash Manohar	Tulsi Leaf Disease Detection using CNN	2022 IEEE Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)	6	2023	978-1-6654-7719-2 / 978-1-6654-7720-8
130	Chorage Suvama Sandip	FACE SKETCH CREATION AND RECOGNITION	International Research Journal on Advanced Engineering and Management	5	2024	2584-2854 / 2584-2854
131	Chorage Suvama Sandip	Investigation of Methods to Improve the Performance of Frequency Reconfigurable Antenna for Future Wireless Communication	2024 International Conference on Emerging Smart Computing and Informatics (ESCI) AISSMS Institute of Information Technology, Pune, India.	10	2024	10.1109/ESCI59607.2024.10497328 / 10.1109/ESCI59607.2024.10497328
132	Chorage Suvama Sandip	Performance Analysis of MIMO-NOMA System based on Different User Pairing Schemes	3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2023)	6	2024	3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2023) / 3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2023)
133	Chaudhari Kalyani Ramesh	The Automated Screening of Ultrasound Images for Nuchal Translucency using Auxiliary U-Net for Semantic Segmentation	INDIACom-2023; IEEE Conference ID: 576262023	6	2023	ISBN:978-1-6654-7703-1 /
134	Chaudhari Kalyani Ramesh	Automatic Handwriting Analysis and Personality Trait Detection using Multi-Task Learning Technique	INDIACom-2023; IEEE Conference ID: 576262023	6	2023	ISBN:978-1-6654-7703-1 /
135	Khairkar Ashwini Deepak	Future Trend: Review of Artificial Intelligence Applications in Prosthodontics	11th International Conference on Computing for Sustainable Global Development (INDIACom)	5	2024	- / -
136	Kadam Sonali Popatrao	Future Trend: Review of Artificial Intelligence Applications in Prosthodontics	11th International Conference on Computing for Sustainable Global Development	4	2024	- / -
137	Kadam Sonali Popatrao	Survey Paper on Optimized Energy-Efficient Protocol for M2M Communication towards Green IoT	Thirteenth International Conference on Recent Trends in Communication and Computer Networks- ComNet 2023	4	2023	- / -



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

138	Kulkarni Vinaya Deepak	Enhanced ECG Signal Classification	International Conference on Recent Trends in Science, Technology, and Management (ICRCSTM - 2024)	6	2024	- / -
139	Kulkarni Vinaya Deepak	A Machine Learning Framework for the Classification of ECG Signals	11th International Conference on "Computing for Sustainable Global Development", 28th Feb-01st March, 2024	6	2024	979-8-3503-9450-4 / 978-93-80544-51-9
140	Shelke Sheetal Venkatrao	Exploring Machine Learning Technique for music emotion classification: A comprehensive Review	11th International Conference on Computing for sustainable global Development IndiaCom 24	10	2024	0 / 0
141	Itkarkar Savita Atul	Automatic Handwriting Analysis and Personality Trait Detection using Multi-Task Learning Technique	Proceedings of the 17th INDIACom; 2023 10th International Conference on Computing for Sustainable Global Development	7	2023	- / -
142	Khairkar Ashwini Deepak	Travelling Chatbot Using Android Application	3rd International Conference on Intelligent Technologies (CONIT)	5	2023	- / -
143	Kadam Sonali Popatrao	An Artificial Intelligence Approach to Predict the Hybrid Nanofluids based Application for Radiators.	11th International Conference on Computing for Sustainable Global Development	6	2024	- / -
144	Kadam Sonali Popatrao	Improving Earth Observations by correlating Multiple Satellite Data: A Comparative Analysis of Landsat, MODIS and Sentinel Satellite Data for Flood Mapping.	11th International Conference on Computing for Sustainable Global Development	7	2024	- / -
145	Kadam Sonali Popatrao	A Machine Learning Framework for the Classification of ECG Signals	11th International Conference on Computing for Sustainable Global Development	6	2024	- / -
146	Sawant Kavita Shantanu	An Artificial Intelligence Approach to Predict the Hybrid Nanofluids based Application for Radiators	2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)	5	2024	ISBN:979-8-3503-9450-4 / ISBN:979-8-3503-9450-4
147	Sawant Kavita Shantanu	Detection of Lane and Speed Breaker Warning System for Vehicles	International Conference on Recent Trends in Science,Technology and Management (ICRTSTM)	7	2024	2584-2854 / 2584-2854
148	Kore Sharada Laxman	The current state of Art-Indian Unleavened Flat Bread Cooking	7th International Congress On Information and Communication Technology for Intelligent Systems (ICTIS 2023)	9	2023	978-981-99-3760-8 / 2367-3370



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

149	Sagar Swati Ashok	The Automated Screening of Ultrasound Images for Nuchal Translucency using Auxiliary U-Net for Semantic Segmentation	Proceedings of the 17th INDIACom; 2023 10th International Conference on Computing for Sustainable Global Development, INDIACom2023	10	2023	978-938054447-2 / -
150	Sagar Swati Ashok	Energy audit and Energy conservation potential of Medical College	International Conference on Green Energy 2023	10	2023	- / -
151	Mahajan Kanchan Deepak	Design of a Dual Band Microstrip Patch Antenna	11th International Conference on Computing for Sustainable Global Development (INDIACom)	1177	2024	NA / NA
152	Pawar Vijaya Rahul	Unusual Human Behavior Analysis Using the Deep Learning	2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)	7	2024	979-8-3503-0662-0 / 979-8-3503-0662-0
153	Pawar Vijaya Rahul	Anomalous Human Action Recognition with Deep Learning Technique	Proceedings of the 18th INDIACom; 2024 11th International Conference on Computing for Sustainable Global Development, INDIACom 2024, 2024	7	2024	979-8-3503-9450-4 / 979-8-3503-9450-4
154	Kanade Ashwini Vitthal	Travelling Chatbot Using Android Application	2023 3rd International Conference on Intelligent Technologies (CONIT)	5	2023	- /

8. Research Projects/Schemes Undertaken by Teachers (2023-2024)

Sr. No.	Name of the Investigator(s)	Faculty	Title of the Research Project/Scheme	Name of the Funding Agency	Duration of the Project/Scheme	Amount Sanctioned (Rs.)	Major/Minor
NA	NA	NA	NA	NA	NA	NA	NA

9. Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2023-2024)

Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	24	36	8

10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2023-2024)

Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise
1	19	0	0	0



Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development



AR2406931

11. Grants Sanction for Funding Agency (2023-2024)					
Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other
1	0	0	0	0	1

12. Faculty Wise Enrollment Of Students (2023-2024)													
Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	84	23	1	3	0	4	9	4	57	3	0	188
		1	0	0	0	0	0	0	0	0	0	1	2
TOTAL		85	23	1	3	0	4	9	4	57	3	1	190

13. Statistical Information about Teacher for Academic Year (2023-2024)							
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(B)	0	0	0	0	1	1
2	OBC	0	0	0	1	5	6
3	OPEN	0	3	3	8	16	24
4	SC	0	0	0	2	0	2
Total		0	3	3	11	22	33

14) Environment Conservation :



Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development



AR2406931

Tree Plantation Drive :

Number of Programmes Arranged	Number of Trees Planted
1	25

River Conservation :

Number of Programmes Arranged	Total Number of Participants
2	18

Soil Conservation :

Number of Programmes Arranged	Total Number of Participants
1	345

Water Conservation :

Number of Programmes Arranged	Total Number of Participants
0	0

Any Other :

Name of Programmes Arranged	Number of Programmes Arranged	Total Number of Participants
0	0	0

15) Sports Competition :

Type	Total Number of Programs Arranged	Total Numbers of participants In each program	Total Number of Award Win(Upto Third Rank)
NationalLevel	1	1	1
CollegeLevel	10	65	3

16) New Voter Registration Campaign :

Total Number of Programs Arranged	Total Number of Participants
1	63



Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development



AR2406931

17) Cultural Activities :

Acitivity Type	Level	Total number of Competitions Arranged	Total number of Participants
Dance Competition	CollegeLevel	2	65

18) Blood Donation Campaign :

Total Number of Campaigns Arranged	Total Number of Participants	Total Units of Blood Collected
0	0	0

19) Cleanliness Campaign :

Total Number of Campaigns Arranged	Total Number of Participants
3	194

20) Women Empowerment & Security:

Total Number of Programs Arranged	Total Number of Participants
5	580

21) Seminar :

University Level :

Total Number of Seminars Arranged	Total Number of Participants
0	0

State Level :

Total Number of Seminars Arranged	Total Number of Participants
0	0

National Level :

Total Number of Seminars Arranged	Total Number of Participants
0	0

International Level :



AR2406931

Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

Total Number of Seminars Arranged		Total Number of Participants			
0		0			
22) Placement Activity :					
No. of Campus Drives	No. of Student Participants in Campus Drives	No. of companies visited for campus drives	No. of Student Placed (UG)	No. of Student Placed (PG)	Total Number of Placements done
5	250	56	149	0	149
23) Student Exchange and Faculty Exchange Program :					
Total Number of Student Exchange Programs Arranged	Total Number of Students went under Student Exchange Program	Total Number of student Participated in Student Exchange	Total Number of student hosted from other MSBTE SAP		
0	0	0	0		
Total Number of Faculty Exchange Programs Arranged	Total Number of Students went under Teachers Exchange Program	Total Number of Faculty Participated in Faculty Exchange	Total Number of Faculty hosted from other MSBTE TAP		
0	0	0	0		
24) Constitution Week Campaign :					
Total Number of Programs Arranged		Total Number of Participants			
1		210			
25) Conduction of value Enhancement Courses (Swayam,Other,Cyber Security):					
Total Number of Programs Arranged		Total Number of Participants			
1		150			
26) Memorendum of Understanding :					
Internship MOU :					
During the Year		Total			
2023-24		16			
National / Collaboration MOU :					



Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development



AR2406931

Number of MoUs	Total
2023-24	16

International / Collaboration MOU :

Number of MoUs	Total
2023-24	0

27) Mental health Awareness Campaign :

Total Number of Programs Arranged	Total Number of Participants
0	0

28) Research Paper Patent :

Total Number of Research Paper Published in peer reviewed Journals	Total Number of Research Paper Published in UGC CARE listed Journals	Total Number of Patent Registered
58	46	5

29) Institutional Award College/Institute :

Regional	National	International
1	0	0

30) Awards :

	Faculty Awards	Student Awards
Regional	5	7
National	0	0
International	0	0

31) Academic Excellence:

Faculty Research	Peer Received	UGC Care
Scopes/Web of square similar		



Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development



AR2406931

46	119	46
Student Research	49	

32) Grant:

Research	0	Other	1
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33) Paper Publication:

Dessrtation at Masters Level	2
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Date :

Place :



Signature

HOD/Principal/Director

Vice Principal
(Academics)
Bharati Vidyapeeth's
College of Engineering for Women
Pune-Satara Road, Pune-411043.