Savitribai Phule Pune University
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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: PunePincode: 411043
3.	**Name Of the Head/Principal/Director** :	Sandip Raosaheb Patil	4. **Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address** :	**Tele.-** 020-24371684 **Email-** coewpune@bharatividyapeeth.edu **URL-** http://coewpune.bharatividyapeeth.edu

5.	**Reference Books/Monographs Published by Teacher (2022-2023) :**			
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	Kadam Sonali Popatrao	Recent advances of Artificial Intelligence (AI) for Nanobiomedical applications: Trends, Challenges and future prospects	CRC Press	2022	9781032224701 / -
2	PAWAR VIJAYA RAHUL	Theory, Practical Concepts, Strategies and Methods for Emotion Recognition	CRC Press	2022	9781003221333 / 9781003221333
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

6.	**No.of Conference, Symposia, Seminars,Workshops etc. Organized (2022-2023)**		
Sr. No.	No. of State Level	No. of National Level	No. of International Level
1	NA	NA	NA

7.	**Research Publications in National and International Journals/Edited Books/Proceedings (2022-2023)**				
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	Rajbhoj Sushilkumar Mahadeo	Intelligent Framework to Detect Diabetic Mellitus (DM) Using Supervised Learning	Journal For Basic Sciences	23 & 8	2023	NA / 1006-8341
2	Rajbhoj Sushilkumar Mahadeo	MELANOMA SKIN CANCER DETECTION USING DEEP LEARNING	Journal For Basic Sciences	23 & 6	2023	- / 1006-8341

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3	Rajbhoj S M	Zigbee-based Detection of Person with High Temperature and Patient Monitoring	Journal For Basic Sciences	23 & 10	2023	- / 1006-8341
4	Kore Sharada Laxman	Library Automation System Using RFID	International Journal of Innovative Research in Technology (IJIRT)	6 & 6	2022	2349-6002 / 2349-6002
5	Kore Sharada Laxman	Floor Cleaning Smart Robot	Int. Journal of Engineering Research and Application (JEREA)	12 & 4	2022	2248-9622 / 2248-9622
6	Kore Sharada Laxman	IoT based Automated Vehicular System for Human Safety	. International Journal of Innovative Research in Technology (IJIRT)	6 & 4	2022	2349-6002 / 2349-6002
7	Kore Sharada Laxman	Temperature based automatic door control systems	International Journal of Engineering Inventions (IJEI)	11 & 4	2022	2278-7461 / 2278-7461
8	Kore Sharada Laxman	Real time face mask detection system	Journal for Basic Sciences/Fangzhi Gaoxiao Jichukexue Xuebao	23 & 11	2022	1006-8341 / 1006-8341
9	Kore Sharada Laxman	Fake currency detection using recurrent neural network	Journal for Basic Sciences/Fangzhi Gaoxiao Jichukexue Xuebao	23 & 6	2022	1006-8341 / 1006-8341
10	Kore Sharada Laxman	A survey on face mask detection	TIJER-International Research Journal	10 & 5	2022	2349-9249 / 2349-9249
11	Kore Sharada Laxman	Detection and classification of brain tumor using machine learning	. Int. Journal of Engineering Research and Application (JEREA)	12 & 5	2022	2248-9622 / 2248-9622
12	Kore Sharada Laxman	Recognition using palm vein detection	. International Journal of multidisciplinary educational research (IJMER)	11 & 4	2022	2277-7881 / 2277-7881
13	Rane Mugdha Arvind	TECHNET BVCOEW COMMUNITY - Web Portal	Journal of Engineering, Computing and Architecture	13 & 7	2023	1934-7197 / 1934-7197
14	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
15	Mahajan Kanchan Deepak	Arduino Based Covid'19 Disinfection Box	International Journal of Engineering Research and Applications	12 & 18	2022	Nil / 2248-9622
16	Mahajan Kanchan Deepak	X-Y Plotter Robo Using mXY Board	Journal for Basic Sciences	23 & 1678	2023	Nil / 1006-8341
17	Mahajan Kanchan Deepak	ISM Band Rectangular Microstrip Patch Antenna for 2.4 GHz	Journal for Basic Sciences	23 & 316	2023	Nil / 1006-8341

18	Mahajan Kanchan Deepak	Traffic Monitoring System Using Image Processing	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	9 & 822	2022	Nil / 2349-6002
19	Dhuttargi Sonali Basavraj	Secured Quick Vaccine Manager: Smart Schedular, Tracker and Reminder using Cloud Technology	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	10 & 4	2022	- / 2321-9653
20	Dhuttargi Sonali Basavraj	Elite Vehicle Controller: Drunk Driving Detection with Vehicle Ignition Locking Using GSM	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	10 & 5	2022	- / 2321-9653
21	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
22	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
23	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
24	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
25	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
26	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

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27	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
28	Mulik Vinod Prakash	Environment Management System using wireless sensor network	DICKENSIAN JOURNAL DOI:10.12001.DK.J2022.V22.I5.281	22 & 16281631	2022	NA / 00122440
29	Pawar Avinash Manohar	Automatic Classification of Medicinal Plants Using State-Of-The-Art Pre-Trained Neural Networks	Journal of Advanced Zoology	43 & 9	2022	- / 0253-7214
30	Pawar Avinash Manohar	Secure Cloud Computing using Cryptographic Algorithms	Recent Trends in Parallel Computing	9 & 5	2022	- / 2393-8749
31	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
32	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
33	PAWAR AVINASH MANOHAR	Role of Photolithographic Process in Semiconductor Manufacturing	International Journal of New Practices in Management and Engineering	11 & 3	2022	- / 2250-0839
34	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
35	Chorage Suvarna Sandip	Investigational Outcomes of Normal and Diabetic Human Volunteers using Microwave based Non-invasive Blood Glucometer	International Journal of Emerging Technology and Advanced Engineering	12 & 6	2022	2250–2459 (Online) / 2250–2459 (Online)

36	Chorage Suvarna Sandip	An Efficient MEMS Sensor Modelling by Geometrical Parameter Optimization	International Journal of Electronics and Telecommunications	68 & 4	2022	2081-8491 / 2081-8491
37	Chorage Suvarna Sandip	Particle Rider Optimization Driven Classification for Brain-Computer Interface	International Journal of Swarm Intelligence Research (IJSIR)	13 & 25	2022	19479271 / 19479271
38	Chorage Suvarna Sandip	Frequency reconfigurable patch antenna using slot, slits and defected ground structures: parametric analysis	Australian Journal of Electrical and Electronics Engineering	19 & 13	2022	https://doi.org/10.1080/1448837X.2021.2023077 / https://doi.org/10.1080/1448837X.2021.2023077
39	Naik Ketaki Bhalchandra	Smart Bus Pass System	Multidisciplinary Journal of Research in Engineerng and Technology	9 & 6	2022	- / 2348-6953
40	Naik Ketaki Bhalchandra	Music Recommendation System Using Sentiment Analysis	Multidisciplinary Journal of Research in Engineerng and Technology	9 & 10	2022	- / 2348-6953
41	Dhole Sampada Abhijit	AgriBot: (Automation in farming with IOT)	nternational Journal of Research and Analytical Reviews (IJRAR)	9 & 4	2022	2348-1269 / 2348-1269
42	Dhole Sampada Abhijit	Study on: Palm Vein based Biometric Identification System	International Journal of Research and Analytical Reviews (IJRAR)	9 & 4	2022	2348-1269 / 2348-1269
43	Kanade Ashwini Vitthal	Data De-Duplication Engine for Efficient Storage Management	International Research Journal of Engineering and Technology	9 & 8	2022	- / e-ISSN: 2395-0056, p-ISSN: 2395-0072
44	Chaudhari Kalyani Ramesh	KIDNEY STONE PREDICTION USING NEURAL NETWORK	Journal For Basic Sciences	23 & 5	2023	- / ISSN NO : 1006-8341
45	Jain Roma Rakesh	RECOGNITION USING PALM VEIN DETECTION	International Journal of multidisciplinary educational research	Vol. 11 & 4	2022	ISSN: 2277-7881 / ISSN: 2277-7881
46	Jain Roma Rakesh	Floor Cleaning Smart Robot	International Journal of Engineering Research and Applications	Vol. 12 & 5	2022	ISSN: 2248-9622 / ISSN: 2248-9622
47	Jain Roma Rakesh	SMART GLASSES FOR THE VISUALLY IMPAIRED PEOPLE	ADALYA JOURNAL	Vol 12 & 6	2023	ISSN : 1301-2746 / ISSN : 1301-2746
48	Jain Roma Rakesh	Detection and Classification of Brain Tumor Using Machine Learning	International Journal of Engineering Research and Applications	Vol. 12 & 5	2022	ISSN: 2248-9622 / ISSN: 2248-9622

49	Jain Roma Rakesh	IoT based Automated Vehicular System for Human Safety	International Journal of Innovative Research in Technology	Vol. 9 & 4	2022	ISSN: 2349-6002 / ISSN: 2349-6002
50	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
51	Mulla Nilofar Altafhusen	Review on Steganography and Cryptography	Ecosystem Services	25 & 8	2023	- / 22120416
52	Pawar Shital Ashok	Development of Web Application for Breast Cancer Detection using Machine Learning Classifier	GRENZE International Journal of Engineering and Technology	8 & 5	2022	- / 2395-5295(Online); 2395-5287(Print)
53	Pawar Shital Ashok	An Android Application Development for Image Watermarking using QR Code	GRENZE International Journal of Engineering and Technology	8 & 6	2022	- / 2395-5295(Online); 2395-5287(Print)
54	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
55	Pawar Shital Ashok	Evaluation of Delay Parameter of MQTT Protocol	SSRG International Journal of Engineering Trends and Technology	71 & 9	2023	- / 2231 – 5381
56	Pawar Shital Ashok	Trust Management System in Internet of Things: A Survey	International Journal of Safety and Security Engineering	13 & 7	2023	- / 2041- 9031
57	Pawar Shital Ashok	Dental Disease Detection Using Deep Learning	Journal Of Emerging Technologies and Innovative Research (JETIR)	10 & 7	2023	- / 2349-5162
58	Pawar Shital Ashok	Fall Detection for Elderly People Using Machine Learning	Journal Of Emerging Technologies and Innovative Research (JETIR)	10 & 6	2023	- / 2349-5162
59	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
60	Kadam Sonali Popatrao	AN EFFICIENT ELECTRICITY THEFT DETECTION USING XG BOOST	International Journal of Engineering Applied Sciences and Technology	6 & 6	2022	- / 2455-2143

61	Kadam Sonali Popatrao	CONVOLUTIONAL NEURAL NETWORK STRATEGIES FOR REAL-TIME OBJECT DETECTION	International Journal of Scientific Research in Engineering and Management (IJSREM)	6 & 3	2022	- / 2582-3930
62	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
63	Godse Deepali Atul	Review on Steganography and Cryptography	Elsevier_Ecosystem Services	25 & 8	2023	- / 2212-0416
64	Godse Deepali	Evaluation of Delay Parameter of MQTT Protocol	International Journal of Engineering Trends and Technology	71 & 9	2023	- / 23490918
65	Jadhav Smita ,Jaspal Dipika	Batch and column studies on the use of doped Polymer for the removal of (Sodium 4-{[4 -(dimethyl amino) phenyl] diazenyl} benzene-1-sulfonate) from wastewater	International Journal of Environmental Analytical Chemistry	102 & 10	2022	- / 1029-0397
66	Bhilegaonkar Sanjay Mukundrao	Design of an Inverted C-Shape Slot Antenna using Substrate Integrated Waveguide	IEEE Wireless, Antenna and Microwave Symposium (WAMS)	4	2022	-- / --
67	Deshpande Priya ,Kore Sharada Laxman	Disease detection on grapes: a review	3rd International Conference On Computational Intelligence (ICCI22),	11	2022	978-981-99-2854-5 / 2524-7565
68	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
69	Pawar Avinash Manohar,Patil Sheetal S.,Patil S. H.	Employee Churn walkthrough using KNN	2nd Asian Conference on Innovation in Technology (ASIANCON), 2022	4	2022	978-1-6654-6851-0 / 978-1-6654-6852-7
70	Pawar Avinash Manohar	Experimental investigation on the effect of optimized dimethyl carbonate on CI engine performance & Emissions at various engine operating parameters using Taguchi method	AIP Conference Proceedings	14	2022	978-0-7354-4188-0 / 978-0-7354-4188-0

71	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
72	Chorage Suvarna Sandip	Spectrally Efficient Multiple Input Multiple Output (MIMO) Non-Orthogonal Multiple Access (NOMA) technique for future wireless communication	IEEE 2nd Asian Conference on Innovation in Technology (ASAINCON 2022)	6	2022	IEEE / IEEE
73	Chaudhari Kalyani Ramesh	The Automated Screening of Ultrasound Images forNuchal Translucency using Auxiliary U-Net for Semantic Segmentation	INDIACom-2023; IEEE Conference ID: 576262023	6	2023	ISBN:978-1-6654-7703-1 /
74	Chaudhari Kalyani Ramesh	Automatic Handwriting Analysis and PersonalityTrait Detection using Multi-Task LearningTechnique	INDIACom-2023; IEEE Conference ID: 576262023	6	2023	ISBN:978-1-6654-7703-1 /
75	Chaudhari Kalyani Ramesh	Low Rank Sparse Coefficient Based Nuchal Translucency Image Denoising	Low Rank Sparse Coefficient Based Nuchal Translucency Image Denoising	6	2022	- / -
76	Chopade Diksha Parag	Energy optimization of bharati vidyapeeth ,pune	REPSI 2022	7	2022	- / -
77	Chopade Diksha Parag	Energy Audit and conservation of BV dental college ,pune	REPSI 2022	12	2022	- / -
78	Pawar Shital Ashok	Leaf Disease Detection of Multiple Plants Using Deep Learning	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)	5	2022	978-1-6654-9602-5 / -
79	Pawar Shital Ashok	An Intelligent Smart Bin System for Solid Waste Management in Smart Cities	International Conference on Decision Aid Sciences and Applications (DASA IEEE Conference)	5	2022	978-1-6654-9501-1 / -
80	Pawar Shital Ashok	A Strategic approach to Model the Machine to Machine Communication of Industrial IoT system for MQTT Protocol with a Case Study	Proceedings of 3rd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication	10	2022	978-981-19-2827-7 / 1876-1100

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81	Pawar Shital Ashok	Identification of Flowers using Machine Learning	International Conference on Innovations in Science and Technology for Sustainable Development (ICISTSD IEEE Conference	6	2022	978-1-6654-9936-1 / -
82	Pawar Shital Ashok	Leaf Disease Detection of Multiple Plants using Machine Learning	2022 Com-IT-Con 2022: International Conference on Machine Learning, Big Data, Cloud and Parallel Computing: Trends, Perspectives, and Prospects	5	2022	- / -
83	Godse Deepali	Auto-detection of Optic Disc in Retinal Image using Transfer Learning Technique	3rd IEEE 2022 International Conference on Computing, Communication, and Intelligent Systems, ICCCIS 2022	5	2022	978-166546200-6 / -

8.	Research Projects/Schemes Undertaken by Teachers (2022-2023)						

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. (2022-2023)		

Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	28	19	14

10.	No. of Collaboration with International Institute/Colleges/University Department during the Year (2022-2023)			

Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise
1	20	0	3	0

11.	Grants Sanction for Funding Agency (2022-2023)				

Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other
1	0	0	0	0	1

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12.	Faculty Wise Enrollment Of Students (2022-2023)													
Faculty	**Sex**	**Open**	**Sc**	**ST**	**DT(A)**	**NT**	**NT(B)**	**NT(C)**	**NT(D)**	**OBC**	**SBC**	**Physically Challenged**	**Total**
Engineering	FEMALE	104	22	2	4	0	5	8	2	73	11	0	231
	TOTAL	104	22	2	4	0	5	8	2	73	11	0	231

13.	Statistical Information about Teacher for Academic Year (2022-2023)						
Sr.No.	**Category**	**Granted**			**Non Granted**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**
1	NT(B)	0	0	0	0	1	1
2	NT(C)	0	0	0	0	1	1
3	OBC	0	0	0	1	5	6
4	OPEN	0	3	3	8	18	26
5	SC	0	0	0	2	0	2
6	ST	0	1	1	0	0	0
	Total	0	4	4	11	25	36

Date :

Place :

Signature
HOD/Principal/Director