Savitribai Phule Pune University
Annual Report Information 2021-2022
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: 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 (2021-2022) :			
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	Godse Deepali Atul	Computer Graphics	Technical Publications	2021	9789390450664(1) /
2	Pawar Vijaya Rahul	Theory, Practical Concepts, Strategies and Methods for Emotion Recognition	CRC Press	2022	9781003221333 / 9781003221333
3	Thite Sandip Shripati	A Session Key Based Security Mechanism for Cyber Physical System	IOS Press	2022	978-1-64368-216-7 / 0927-5452
4	Kadam Sonali Popatrao	Recent advances of Artificial Intelligence (AI) for Nanobiomedical applications: Trends, Challenges and future prospects	CRC Press	2022	9781032224701 / -

6.	No.of Conference, Symposia, Seminars,Workshops etc. Organized (2021-2022)		
Sr. No.	**No. of State Level**	**No. of National Level**	**No. of International Level**
1	12	1	0

7.	Research Publications in National and International Journals/Edited Books/Proceedings (2021-2022)				
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	Warke Kanchan Shashikant	Authentication by Encrypted Negative Password using SHA-256 & RSA Algorithm	International Journal of Scientific Research in Engineering and Management	5 & 5	2021	2582-3930 / 2582-3930
2	Warke Kanchan Shashikant	Environment Monitoring and Prediction of Planting of Trees	International Journal of Scientific Research in Engineering and Management	5 & 5	2021	2582-3930 / 2582-3930

Savitribai Phule Pune University
Annual Report Information 2021-2022
Planning and Development

3	Sagar Swati Ashok	Fake Product Review Detection System Using Machine Learning	Journal of Emerging Technologies and Innovative Research	Vol 8 & 3	2021	Maharashtra / 2349-5162
4	Rane Mugdha Arvind	Forecasting System for Water Availability	Journal of Emerging Technologies and Innovative Research	8 & 5	2021	2349-5162 / 2349-5162
5	Rane Mugdha Arvind	Credit Card Fraud Detection using Machine Learning	International Journal of Innovative Research in Computer and Communication Engineering	9 & 7	2021	2320-9801 / 2320-9801
6	Dalvi Nilam Ishwar	Online Voting System Using Visual Cryptography and Machine LearningBased on Adhaar Number	International Journal of Innovative research in Computer and Communication engineering	9 & 5	2021	- / 2320-9801(online) 2320-9798(Print)
7	Hadke Seema Arun	Efficient Clustering for Weather Forecasting uisng Big Data	GIS Science Journal	8 & 10	2021	- / 1869-9391
8	Hadke Seema Arun	Survey on Healthy Diet Recommendation using Data Mining	nternational journal of innovative research in computer & communication Engineering (IJIRCCE)	9 & 4	2021	- / e-ISSN: 2320-9801
9	Hadke Seema Arun	Collaborative filtering approach over healthy diet recommendation system	Journal of emerging technologies and innovative research(JETIR)	8 & 6	2021	- / 2349-5162
10	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
11	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
12	Dhuttargi Sonali Basavraj	Introduction to Determining the Air Quality Index of the City for the Standard Living using Machine Learning Algorithm	Science, Technology and Development Journal	10 & 4	2021	- / 0950-0707
13	Dhuttargi Sonali Basavraj	Security Management for Transaction and KYC using Blockchain Technology	International Journal of Scientific Research in Engineering and Management (IJSREM)	5 & 4	2021	- / 2582-3930

14	Jadhav Jayashree Dhananjay	Automatic License PlateRecognition Using YOLOv4 and Tesseract OCR	International Journal of Innovative Research in Computer and Communication Engineering	10 & 5	2022	Nil / e-ISSN: 2320-9801
15	Jagdale Sumati Manoj	deep Neural Network based Robust Text Independent Speaker Identification	Design Engineering	1 & 7	2021	0 / 0011-9342
16	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
17	Pawar Avinash Manohar	Text Summarizer using NLP (Natural Language Processing)	Journal of Computer Technology & Applications (JoCTA)	12 & 10	2021	- / 2229-6964
18	PAWAR AVINASH MANOHAR	Role of Photolithographic Process in Semiconductor Manufacturing	International Journal of New Practices in Management and Engineering	11 & 3	2022	- / 2250-0839
19	Pawar Avinash Manohar	Secure Cloud Computing using Cryptographic Algorithms	Recent Trends in Parallel Computing	9 & 5	2022	- / 2393-8749
20	Pawar Avinash Manohar	Study Of Various Forecasting Models For Time Series Data, Using Stochastic Processes	Journal of Computer Technology & Applications (JoCTA)	12 & 7	2021	0 / 2229-6964
21	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)
22	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
23	Chorage Suvarna Sandip	Particle Rider Optimization Driven Classification for Brain-Computer Interface	International Journal of Swarm Intelligence Research (IJSIR)	13 & 25	2022	19479271 / 19479271
24	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

25	Chorage Suvarna Sandip	Non-invasive determination of blood glucose level using narrowband microwave sensor	Ambient Intelligence and Humanized Computing (Springer)	DOI:10.1007/s12652-021-03105-z & 16	2021	1868-5137 / 1868-5137
26	Naik Ketaki Bhalchandra	Smart Bus Pass System	Multidisciplinary Journal of Research in Engineerng and Technology	9 & 6	2022	- / 2348-6953
27	Naik Ketaki Bhalchandra	Music Recommendation System Using Sentiment Analysis	Multidisciplinary Journal of Research in Engineerng and Technology	9 & 10	2022	- / 2348-6953
28	Naik Ketaki Bhalchandra	Deep Learning Based Covid-19 Detection from CT Images	International Journal of Innovative Research in Science, Engineering and Technology	10 & 5	2021	- / Online ISSN : 2394-4099
29	Naik Ketaki Bhalchandra	Deep Learning Based Covid-19 Detection from CT Images	International Journal of Innovative Research in Science, Engineering and Technology	10 & 7	2021	2319-8753 / 2320-6710
30	Naik Ketaki Bhalchandra	Visual Assistant for Blind People using Raspberry Pi	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	7 & 5	2021	cseit95671 / 2456-3307
31	Dhole Sampada Abhijit	Leaf disease detection using Image processing Techniques and CNN	International Journal of scientific Research in Engineering and Managment	5 & 6	2021	2582-3930 / 2582-3930
32	Dhole Sampada Abhijit	AgriBot: (Automation in farming with IOT)	nternational Journal of Research and Analytical Reviews (IJRAR)	9 & 4	2022	2348-1269 / 2348-1269
33	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
34	Kanade Ashwini Vitthal	Prediction of Recipes from Food Images Using Image Processing and Machine Learning	International Journal of Scientific Research in Engineering and Management (IJSREM)	5 & 4	2021	- / 2582-3930
35	Kanade Ashwini Vitthal	Prediction of Skin Diseases Using Machine Learning	Journal of Emerging Technologies and Innovative Research (JETIR)	8 & 4	2021	- / 2349-5162
36	Mulla Nilofar Altafhusen	Role of Machine Learning & Artificial Intelligence Techniques in Software Testing	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	12 & 9	2021	- / 1309-4653

37	Mulla Nilofar Altafhusen	Epileptic Seizure Prediction using EEG Dataset	International Journal of Innovative Research in Science,Engineering and Technology	10 & 8	2021	- / 2319-8753
38	Naik Poonam ,Godse Gauri ,Prajapati Pooja ,Khairkar Ashwini Deepak	Social Distancing and Face Mask Detection using Deep Learning as Saftey measure for COVID-19	Journal of Emerging Technologies and Innovative Research	8 & 7	2021	- / 2349-5162
39	Thite Sandip Shripati	FASSSTeR: A Novel Framework Aligned with ISA and ISO Standards for Cyber Physical System Safety, Security, Sustainability and Resiliency	Design Engineering	2021 & 12	2021	Select / 0011-9342
40	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)
41	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)
42	Yesugade kiran Dinkar,Chimbalkar Mrunal ,Dolthade Pradnya ,Umap Mohini ,Ghuge Pradnya	PAPER SURVEY ON APPLICATION OF BCT IN AGRICULTURAL SUPPLY CHAIN MANAGEMENT	International Journal of Scientific Research in Engineering and Management (IJSREM)	5 & 3	2021	- / 2582-3930
43	Yesugade Kiran Dinkar	Vision Face Recognition Attendance Monitoring System Using Deep Learning and Computer Vision	International Journal of Scientific Research & Engineering Trends	7 & 3	2021	- / 2395-566X
44	Yesugade Kiran Dinkar	APPLICATION OF BCT IN AGRICULTURAL SUPPLY CHAIN MANAGEMENT	Open Access International Journal of Science and Engineering	6 & 3	2021	- / 2456-3293
45	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

46	Kadam sonali ,Tupe U ,Mahale P ,Babar S	Research perspective on energy-efficient protocols in IoT: Emerging development of green IoT	International Journal of Pervasive Computing and Communications	- & 12	2021	- / -
47	Kadam Sonali Popatrao	AN EFFICIENT ELECTRICITY THEFT DETECTION USING XG BOOST	International Journal of Engineering Applied Sciences and Technology	6 & 6	2022	- / 2455-2143
48	Kadam Sonali Popatrao	Feature based Phishing Website Detection using Random Forest Classifier	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	9 & 4	2021	- / 2321-9653
49	Kadam Sonali Popatrao	Optimized LEACH-based Energy Efficient Protocol for M2M Communications in Green IoT: Development of New Hybrid Algorithm	International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)	8 & 8	2021	- / 2394-2320
50	Kadam Sonali Popatrao	Student's Competency level Prediction	IInternational Journal for Research in Applied Science & Engineering Technology (IJRASET)	9 & 5	2021	- / 2321-9654
51	Kadam Sonali Popatrao	Credit Card Fraud Detection Using Machine Learning Algorithms	International Journal of Innovative Research in Computer and Communication Engineering	9 & 5	2021	- / e-ISSN: 2320-9801, p-ISSN: 2320-9798
52	Kulkarni Vinaya Deepak	Undergraduate Employment Forecasting	International Journal of All Research Education and Scientific Methods	9 & 8	2021	- / 2455-6211
53	Kulkarni Vinaya Deepak	Analysis of Undergraduate Employment Forecasting	International Journal of All Research Education and Scientific Methods (IJARESM)	9 & 9	2021	- / 2455-6211
54	Godse Deepali Atul	Seed Sowing Robot	International Journal for Research in Applied Science and Engineering Technology	9 & 6	2021	- / 2321-9653
55	Jadhav Smitarani Sadanand	Waste Water treatment: A bibliometric study of Scopus and web of science publications	Library Philosophy and Practice	- & 13	2021	- / 1522-0222
56	Jadhav Smitarani Sadanand	Microbial Consortia for industrial waste bioremediation: an insight to related patents	International Journal of Environmental Analytical Chemistry	- & 10	2021	- / 1029-0397

57	Bhilegaonkar Sanjay Mukundrao	Design of an Inverted C-Shape Slot Antenna using Substrate Integrated Waveguide	IEEE Wireless, Antenna and Microwave Symposium (WAMS)	4	2022	-- / --
58	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
59	Chorage Suvarna Sandip	Automatic Classification of Autism Spectrum Disorder (ASD) from Brain MRI images based on feature optimization and machine learning	International Conference on Smart Generation Computing Communication and Networking	4	2021	IEEE /
60	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
61	Chorage Suvarna Sandip	Eye-Blink artifact Detection and Removal Approaches for BCI using EEG	6th International Conference on Recent Trends on Electronics, Information, Communication and Technology, RTEICT 2021	6	2021	21273265 / 21273265
62	Chorage Suvarna Sandip	MEMS Interdigital Electrode Sensor for Gas Sensing Mechanism	3rd IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2021) AISSMS's INSTITUTE OF INFORMATION TECHNOLOGY PUNE INDIA.	4	2021	978-1-7281-8519-4 / 978-1-7281-8519-4
63	Chopade Diksha Parag	Presented paper on Passive Harmonic Filter for Power quality Improvement in Bharati Vidyapeeth Dhankawadi Campus pune	IEEE EXPLORE	7	2021	- / -
64	Chopade Diksha Parag	Energy optimization of bharati vidyapeeth ,pune	REPSI 2022	7	2022	- / -

Savitribai Phule Pune University
Annual Report Information 2021-2022
Planning and Development

65	Chopade Diksha Parag	Energy Audit and conservation of BV dental college ,pune	REPSI 2022	12	2022	- / -
66	Pawar Shital Ashok	A Novel Approach for Enhancement of Security through Evaluation of Quality of Service Parameters in Industrial Internet of Things	2021 International Conference on Intelligent Technologies (CONIT)	6	2021	978-1-7281-8583-5 / -
67	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 / -
68	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
69	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 / -
70	Pawar Shital Ashok	Detection of Breast Cancer using Machine Learning Classifier	2021 Asian Conference on Innovation in Technology (ASIANCON)	5	2021	978-1-7281-8402-9 / -
71	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	- / -
72	Kadam Sonali Popatrao	Comparative analysis of heuristic-based energy efficient protocol for M2M communications in green IoT	2021 International Conference on Emerging Smart Computing and Informatics, ESCI	10	2021	#50559 / -
73	Kadam Sonali Popatrao	Optimal Routing in IoT for Green Communication: A Survey on Sensors and Sensor Fundamentals with Diverse Meta-heuristic Algorithms and Fitness Functions	-	8	2021	0 / -

Savitribai Phule Pune University
Annual Report Information 2021-2022
Planning and Development

AR2205839

8.	Research Projects/Schemes Undertaken by Teachers (2021-2022)						
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. (2021-2022)		
Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	31	59	11

10.	No. of Collaboration with International Institute/Colleges/University Department during the Year (2021-2022)			
Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise
1	12	0	0	0

11.	Grants Sanction for Funding Agency (2021-2022)				
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 (2021-2022)											
Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	116	20	0	4	0	8	10	6	59	6	0	229
	TOTAL	116	20	0	4	0	8	10	6	59	6	0	229

2/8/2024 2:58 PM

Savitribai Phule Pune University
Annual Report Information 2021-2022
Planning and Development

13.	Statistical Information about Teacher for Academic Year (2021-2022)						
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	4	4	9	19	28
5	SC	0	0	0	2	0	2
6	ST	0	1	1	0	0	0
	Total	0	5	5	12	26	38

Date :

Place :

Signature
HOD/Principal/Director