



AR2306492

**Savitribai Phule Pune University**  
**Annual Report Information 2022-2023**  
**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	: Sandip Raosaheb Patil	4. Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address	: Tele.- 020-24371684 Email- coewpune@bharativedyapeeth.edu URL- <a href="http://coewpune.bharativedyapeeth.edu">http://coewpune.bharativedyapeeth.edu</a>

## 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	TJER-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 (UMER)	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





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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 Scheduler, 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.V22.15.281	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 Savarna 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 Savarna 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)





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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 Swarms 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	<a href="https://doi.org/10.1080/1448837X.2021.23077">https://doi.org/10.1080/1448837X.2021.23077</a> <a href="https://doi.org/10.1080/1448837X.2021.23077">https://doi.org/10.1080/1448837X.2021.23077</a>
39	Naik Ketaki Bhalchandra	Smart Bus Pass System	Multidisciplinary Journal of Research in Engineering and Technology	9 & 6	2022	- / 2348-6953
40	Naik Ketaki Bhalchandra	Music Recommendation System Using Sentiment Analysis	Multidisciplinary Journal of Research in Engineering and Technology	9 & 10	2022	- / 2348-6953
41	Dhole Sampada Abhijit	AgriBot: (Automation in farming with IOT)	International 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: 2395-00
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



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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





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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-
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-



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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-
72	Chorage Savarna 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 (ASAJNCON 2022)	6	2022	IEEE / IEEE
73	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 /
74	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 /
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 bharti 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 systems 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, ICCIS 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
	<b>TOTAL</b>	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
Date :	<b>Total</b>	0	4	4	11	25	36

Place :

Signature  
HOD/Principal/Director



  
**V/C PRINCIPAL**  
 Bharati Vidyapeeth's  
 College of Engineering for Women  
 Pune-Satara Road, Pune-411043.





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



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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 Learning Based on Aadhaar 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 using Big Data	GIS Science Journal	8 & 10	2021	- / 1869-9391
8	Hadke Seema Arun	Survey on Healthy Diet Recommendation using Data Mining	International journal of innovative research in computer & communication Engineering (IJRCCE)	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 Scheduler, 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





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14	Jadhav Jayashree Dhananjay	Automatic License Plate Recognition 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.V22.15.281	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	<a href="https://doi.org/10.1080/1448837X.2021.23077">https://doi.org/10.1080/1448837X.2021.23077</a> / <a href="https://doi.org/10.1080/1448837X.2021.23077">https://doi.org/10.1080/1448837X.2021.23077</a>



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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 Engineering and Technology	9 & 6	2022	- / 2348-6953
27	Naik Ketaki Bhalchandra	Music Recommendation System Using Sentiment Analysis	Multidisciplinary Journal of Research in Engineering 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	eset95671 / 2456-3307
31	Dhole Sampada Abhijit	Leaf disease detection using Image processing Techniques and CNN	International Journal of scientific Research in Engineering and Management	5 & 6	2021	2582-3930 / 2582-3930
32	Dhole Sampada Abhijit	AgriBot: (Automation in farming with IOT)	International 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





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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 Safety 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



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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	International 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: 2320-977
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 Atal	Seed Sowing Robot	International Journal for Research in Applied Science and Engineering Technology	9 & 6	2021	- / 2321-9653
55	Jadhav Smitarani Sadsnand	Waste Water treatment: A bibliometric study of Scopus and web of science publications	Library Philosophy and Practice	- & 13	2021	- / 1522-0222
56	Jadhav Smitarani Sadsnand	Microbial Consortia for industrial waste bioremediation: an insight to related patents	International Journal of Environmental Analytical Chemistry	- & 10	2021	- / 1029-0397





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57	Bhilegaonkar Sanjay Mukindrao	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-
59	Chorage Suvama 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 Suvama 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 Suvama 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 Suvama 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-
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	- / -



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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 / -





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**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
<b>TOTAL</b>		116	20	0	4	0	8	10	6	59	6	0	229



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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
Date	<b>Total</b>	0	5	5	12	26	38

Place :

Signature  
HOD/Principal/Director



  
**VC PRINCIPAL**  
**Bharati Vidyapeeth's**  
**College of Engineering for Women**  
**Pune-Satara Road, Pune-411043.**





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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: Pune Pincode: 411043
3. Name Of the Head/Principal/Director	: Sandip Raosabeh Patil	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 (2020-2021) :**

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	PAWAR AVINASH MANOHAR	ENGINEERING GRAPHICS-1	NIRALI PRAKASHAN	2020	938982575-X /
2	Pewar Avinash Manohar	ENGINEERING GRAPHICS – First Year B.E. Degree Course in Engineering – SGBAU (Amravati University)	NIRALI PRAKASHAN	2020	ISBN 13 9789389825756 /
3	Mulla Nilofar Altafhusen	The potent combo of software testing and NLP	Springer, Singapore	2020	978-981-15-1420-3 /
4	Godse Deepali Atul	Logic Design and Computer Organization	Technical Publications	2020	9789333221450(1) /
5	Godse Deepali Atul	Computer Graphics	Technical Publications	2021	9789390450664(1) /
6	Jagdale Sumati Manoj	Robust Speaker Recognition based on low level and Prosodic level Features	Springer	2020	978-981-15-0372-6 / 1876-1100
7	Mulla Nilofar Altafhusen	The Potent Combo of Software Testing and NLP	Springer	2020	978-981-15-1420-3 / -
8	Thite Sandip Shripati	A Survey on the Internet of Things: Applications, Challenges and Opportunities with India Perspective	Springer Nature Singapore Pte Ltd,	2020	978-981-15-1419-7 / 1876-1100

**6. No. of Conference, Symposia, Seminars, Workshops etc. Organized (2020-2021)**

Sr. No.	No. of State Level	No. of National Level	No. of International Level
1	1	0	0



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7. Research Publications in National and International Journals/Edited Books/Proceedings (2020-2021)						
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	The management of security for text document protection using various algorithm	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	2349-5162 / 2349-5162
2	Warke Kanchan Shashikant	A Resume Evaluation System	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	2349-5162 / 2349-5162
3	Sawant Kavita Shantanu	Classification for Community Structure in Social Media Networks	Journal of Emerging Technologies and Innovative Research	7 & 2	2020	ISSN-2349-5162 / ISSN-2349-5162
4	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
5	Sagar Swati Ashok	Healthcare System for sickle cell prediction and management	Journal of Emerging Technologies and Innovative Research	Volume 7 Issue 5 & 3	2020	Maharashtra / 2349-5162
6	Sagar Swati Ashok	The review of crowdsourcing by people's thinking	Journal of Emerging Technologies and Innovative Research	Volume 7 Issue 5 & 4	2020	Maharashtra / 2349-5162
7	Sagar Swati Ashok	Automatic Exam paper generation	Journal of Emerging Technologies and Innovative Research	Volume 7 Issue 5 & 6	2020	Maharashtra / 2349-5162
8	Rane Mugdha Arvind	Forecasting System for Water Availability	Journal of Emerging Technologies and Innovative Research	8 & 5	2021	2349-5162 / 2349-5162
9	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
10	Rane Mugdha Arvind	Psychological Illness Revealing Method using Machine Learning	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	2349-5162 / 2349-5162
11	Rane Mugdha Arvind	ICC T20 cricket World Cup Prediction Based Data Analytics and Data Mining Techniques	Journal of Emerging Technologies and Innovative Research	7 & 5	2020	2349-5162 / 2349-5162





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12	Dalvi Nilam Ishwar	Online Voting System Using Visual Cryptography and Machine Learning Based on Adhaar Number	International Journal of Innovative research in Computer and Communication engineering	9 & 5	2021	- / 2320-9801(online) 2320-9798(Pri)
13	Dalvi Nilam Ishwar	POTHOLE DETECTION AND MESSAGE PASSING SYSTEM	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	8 & 5	2020	- / 2393-9028
14	Hadke Seema Arun	Efficient Clustering for Weather Forecasting using Big Data	GIS Science Journal	8 & 10	2021	- / 1869-9391
15	Hadke Seema Arun	Survey on Healthy Diet Recommendation using Data Mining	International journal of innovative research in computer & communication Engineering (IJRCCE)	9 & 4	2021	- / e-ISSN: 2320-9801
16	Hadke Seema Arun	Collaborative filtering approach over healthy diet recommendation system	Journal of emerging technologies and innovative research(JETIR)	8 & 6	2021	- / 2349-5162
17	Hadke Seema Arun	Students Attendance system and academic performance prediction	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	- / 2349 - 5162
18	Hadke Seema Arun	Car Anti -Theft System through Face Recognition using GPS & GSM Module	International Journal of Research in Electronics and Computer Engineering	8 & 3	2020	- / ISSN(Online): 2348-2281 ISSN(Pri) 2393-9028
19	Hadke Seema Arun	Identification of Trends in Technologies and Programming Languages Using Topic Modeling	Journal of Emerging Technologies and Innovative Research	7 & 3	2020	- / 2349 - 5162
20	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
21	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
22	Dhuttargi Sonali Basavraj	Colt: The Code Series Game for Learning Program Logic through Real Time Implementation	International Research Journal of Engineering and Technology (IRJET)	7 & 3	2020	- / 2395-0056



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23	Dhuttargi Sonali Basavraj	Hiding Sensitive Information of Student for Secure Storage on Cloud	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	- / 2349-5162
24	Dhuttargi Sonali Basavraj	Higher Education Recommendation System	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	- / 2349-5162
25	Jadhav Jayashree Dhananjay	Quality of location awareness recommendation system based on user data	JETIR(Journal OF Emerging Technologies and Innovative Researches )	7 & 836	2020	- / 2349-5162
26	PAWAR AVINASH MANOHAR	CFD and Experimentation on Heat Transfer Enrichment in Receiver Tube for Parabolic Trough Collector	Test Engineering & Management	82 & 8	2020	0193 - 4120 / 0193 - 4120
27	Pawar Avinash MANOHAR,Kadam M A	Heat transfer enhancement of receiver tube with twisted tape inserts and vortex generator at different orientation using CFD analysis	International Journal of Advanced Science and Technology	29 & 9	2020	- / 2005-4238
28	Chorage Suvarna Sandip	Motor Imagery based EEG classification using Electrode Optimization Methodology	TEST Engineering and Management	83 & 6	2020	0193-4120 / 0193-4120
29	Chorage Suvarna Sandip	Detection of Autism Spectrum Disorder (ASD) using Machine Learning Techniques: A Review	International Journal of Future Generation Communication and Networking	13 & 12	2020	2233-7857 / 2233-7857
30	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
31	Chorage Suvarna Sandip	An empirical survey of electroencephalography based brain-computer interfaces	Bio-Algorithms and Med-Systems 2020 De Gruyter	16 & 10	2020	1896-530X / 1896-530X
32	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
33	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





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34	Naik Ketaki Bhalchandra	Agrigras: Precision Farming for Weed Detection & Control	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	0 / ISSN : 2349-5162
35	Naik Ketaki Bhalchandra	Effective Product marketing through Early Reviews	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	0 / ISSN : 2349-5162
36	Kanade Ashwini Vitthal	Machine Learning Model for Stock Market Prediction	International Journal for Research in Applied Science & Engineering Technology	8 & 8	2020	- / 2321-9653
37	Kanade Ashwini Vitthal	LifeSaver: The E-Blood Donation App	INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY (IRJET)	7 & 5	2020	- / E-ISSN: 2395-0056 p-ISSN: 2395-0072
38	Pawar Aishwarya ,Pawar Supriya ,Thoke Rutuja	A SUMMARIZATION TOOL FOR HOTEL REVIEWS	Journal of Emerging Technologies and Innovative Research	7 & 3	2020	- / 2349-5162
39	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
40	Kanade Ashwini Vitthal	Prediction of Skin Diseases Using Machine Learning	Journal of Emerging Technologies and Innovative Research (JETIR)	8 & 4	2021	- / 2349-5162
41	Kadam Anjali Prakash	Face Skin Disease Classification based on images	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	/ 2349-5162
42	Mulla Nilofar Altafhusen	Transparency in Government Transactions through a Decentralized ledger using Blockchain	Journal of Huazhong University of Science and Technology	50 & 5	2021	- / 1671-4512
43	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
44	Mulla Nilofar Altafhusen	Epileptic Seizure Prediction using EEG Dataset	International Journal of Innovative Research in Science,Engineering and Technology	10 & 8	2021	- / 2319-8753
45	Mulla Nilofar Altafhusen	Data Driven Herb's Product Recommendation Framework	Journal of Emerging Technologies and Innovative Research	7 & 3	2020	- / 2349-5162
46	Mulla Nilofar Altafhusen	Literature Survey Of Various Chatbots	Journal of Emerging Technologies and Innovative Research	7 & 7	2020	- / 2349-5162



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47	Mulla Nilofar Altaflusen	AI Based Scrutiny Bot for E-interview Using Natural Language Processing and Emotion Recognition	Journal of Emerging Technologies and Innovative Research	7 & 5	2020	- / 2349-5162
48	Naik Poonam ,Godse Gauri ,Pranjapati Pooja ,Khairkar Ashwini Deepak	Social Distancing and Face Mask Detection using Deep Learning as Safety measure for COVID-19	Journal of Emerging Technologies and Innovative Research	8 & 7	2021	- / 2349-5162
49	Thite Sandip Shripati	"Smart Queue Management System with Real Time Tracking Using DNN"	International Journal of Emerging Technologies and Innovative Research	7 & 10	2020	0 / 2349-5162
50	Thite Sandip Shripati	FASSTeR: 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
51	Yesugade kiran Dinkar,Chimbalkar Mrunali ,Dolthade Pradnya ,Umap Mohini ,Ghugre 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
52	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
53	Yesugade Kiran Dinkar	APPLICATION OF BCT IN AGRICULTURAL SUPPLY CHAIN MANAGEMENT	Open Access International Journal of Science and Engineering	6 & 3	2021	- / 2456-3293
54	Kadam Sonali Popatrao	web based system for dengue epidemics prediction based on meteorological and surveillance data	journal of emerging tech and innovative research	7 & 5	2020	- / 2349-5162
55	Kadam Sonali Popatrao	dengue epidemics prediction based on meteorological and surveillance data	international journal of advance computational science and engg tech	1 & 3	2020	- / 2582-323X
56	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





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57	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
58	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 & 7	2021	- / -
59	Kadam Sonali Popatrao	Student's Competency level Prediction	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	9 & 5	2021	- / 2321-9654
60	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: 2320-97
61	Kulkarni Vinaya Deepak	Undergraduate Employment Forecasting	International Journal of All Research Education and Scientific Methods	9 & 8	2021	- / 2455-6211
62	Kulkarni Vinaya Deepak	Analysis of Undergraduate Employment Forecasting	International Journal of All Research Education and Scientific Methods (IJARESME)	9 & 9	2021	- / 2455-6211
63	Kulkarni Vinaya Deepak	Document Classification and Summarization using Probabilistic Classifier	IETIR (Journal of Emerging Technologies and Innovative Research)	7 & 4	2020	2349-5162 / 2349-5162
64	Kulkarni Vinaya Deepak	Cryptographically enforced dynamic access control and traceable group data sharing in the cloud	IETIR (Journal of Emerging Technologies and Innovative Research)	7 & 4	2020	2349-5162 / 2349-5162
65	Kulkarni Vinaya Deepak	Document Classification and Summarization using Probabilistic Classifier	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	- / 2349-5162
66	Kulkarni Vinaya Deepak	Cryptographically enforced dynamic access control and traceable group data sharing in the cloud	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	- / 2349-5162



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67	Jadhav Smitarani Sadanand	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	- & 10	2020	- / 1029-0397
68	Jadhav Smitarani Sadanand	Waste Water treatment: A bibliometric study of Scopus and web of science publications	Library Philosophy and Practice	- & 13	2021	- / 1522-0222
69	Jadhav Smitarani Sadanand	Elimination of cationic azo dye from aqueous media using doped polyaniline (PANI): Adsorption optimization and modelling	Canadian Journal of Chemistry	98 & 8	2020	- / 0008-4042
70	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
71	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
72	Pawar Vijaya Rahul	Automatic Greenhouse Parameters Monitoring and Controlling Using Arduino and Internet of Things	International Conference on Innovative Data Communication Technologies and Application	7	2020	978-3-030-38039-7 / 978-3-030-38040-
73	Chorage Suvarna Sandip	Microstrip Antennas used for Noninvasive Determination of Blood Glucose Level	IEEE ICICCS 2020 May 2020	4	2020	IEEE /
74	Chorage Suvarna Sandip	Review of Reconfigurable Antennas for Future Wireless Communication	2nd IEEE International Conference on Emerging Smart Computing and Informatics ESCI 2020	5	2020	2nd IEEE International Conference on Emerging Smart Computing and Informatics ESCI 2020 / 2nd IEEE International Conference on Emerging Smart Computing and Informatics ESCI 2020
75	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-





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76	Deshmukh Sayalee Pratap	Survey Paper on Developing Industrial IoT Broker Capable of Handling Multi Protocol Architecture	5th International Conference on Innovative Mechanisms for Industry Applications (ICIMIA)	3	2020	1-7281-4167-2 /
77	Jadhav Shital Balasaheb	A Review of Various Agriculture Systems Based on IoT, Data Mining and Cloud	Test and Management Engineering	8	2020	0193-4120 / 0193-4120

**8. Research Projects/Schemes Undertaken by Teachers (2020-2021)**

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
1	Nilofar Mulla	Engineering	Automatic generation of test cases with classifica	IQAC SPPU	09/07/2019-09/07/2021	250000	Minor

**9. Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2020-2021)**

Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	87	41	11

**10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2020-2021)**

Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise
1	5	0	0	0

**11. Grants Sanction for Funding Agency (2020-2021)**

Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other
1	0	0	0	3	1



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12. Faculty Wise Enrollment Of Students (2020-2021)													
Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	107	21	0	2	0	5	9	3	62	2	0	211
	<b>TOTAL</b>	107	21	0	2	0	5	9	3	62	2	0	211

13. Statistical Information about Teacher for Academic Year ( 2020-2021 )							
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
Date	<b>Total</b>	0	5	5	12	26	38

Place :

Signature  
HOD/Principal/Director



*[Signature]*  
 VC PRINCIPAL  
 Bharati Vidyapeeth's  
 College of Engineering for Women  
 Pune-Satara Road, Pune-411043.





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

5. Reference Books/Monographs Published by Teacher (2019-2020) :					
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	Mitkari Santosh Rameshwar	Applied Mathematics	Techno	2019	978-93-89251-74-6 /
2	Mitkari Santosh Rameshwar	Descriptive Statistics and Introduction to Probability	Techno	2019	978-93-89251-54-8 /
3	Mitkari Santosh Rameshwar	Probability and Statistics	Tech-Max	2019	978-93-88723-61-9 /
4	Pawar Avinash Manohar	ENGINEERING GRAPHICS	NIRALI PRAKASHAN	2020	938982575-X /
5	Jagdale Sumati Manoj	Robust Speaker Recognition based on low level and Prosodic level Features	Springer	2020	978-981-15-0372-6 / 1876-1100
6	Mulla Nilofar Altafhusen	The Potent Combo of Software Testing and NLP	Springer	2020	978-981-15-1420-3 / -
7	Thite Sandip Shripati	A Survey on the Internet of Things: Applications, Challenges and Opportunities with India Perspective	Springer Nature Singapore Pte Ltd.	2020	978-981-15-1419-7 / 1876-1100

6. No. of Conference, Symposia, Seminars, Workshops etc. Organized (2019-2020)			
Sr. No.	No. of State Level	No. of National Level	No. of International Level
1	16	4	0



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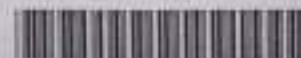
**7. Research Publications in National and International Journals/Edited Books/Proceedings (2019-2020)**

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	Sewant Kavita Shantanu	Classification for Community Structure in Social Media Networks	Journal of Emerging Technologies and Innovative Research	7 & 2	2020	ISSN-2349-5162 / ISSN-2349-5162
2	Sewant Kavita Shantanu	Classification for Community Structure in Social Media Networks	International Journal Of Innovative in Engineering & Multidisciplinary Physical Sciences	7 & 2	2019	ISSN-2349-7300 / ISSN-2349-7300
3	Sagar Swati Ashok	Healthcare System for sickle cell prediction and management	Journal of Emerging Technologies and Innovative Research	Volume 7 Issue 5 & 3	2020	Maharashtra / 2349-5162
4	Sagar Swati Ashok	The review of crowdsourcing by people's thinking	Journal of Emerging Technologies and Innovative Research	Volume 7 Issue 5 & 4	2020	Maharashtra / 2349-5162
5	Sagar Swati Ashok	Automatic Exam paper generation	Journal of Emerging Technologies and Innovative Research	Volume 7 Issue 5 & 6	2020	Maharashtra / 2349-5162
6	Rane Mugdha Arvind	Aspect-wise Product Quality Evaluation System based on Reviews with Aspect Categorization using Supervised and Unsupervised Techniques	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	7 & 532	2019	2349-7300 / 2349-7300
7	Rane Mugdha Arvind	Psychological illness Revealing Method using Machine Learning	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	2349-5162 / 2349-5162
8	Rane Mugdha Arvind	ICC T20 cricket World Cup Prediction Based Data Analytics and Data Mining Techniques	Journal of Emerging Technologies and Innovative Research	7 & 5	2020	2349-5162 / 2349-5162
9	Rane Mugdha Arvind	Smart Cloud based Healthcare Application having Data Authentication Control using Time Constraint	International Journal of Innovative Research in Engineering and Multidisciplinary Physical Sciences	7 & 518	2019	2349-7300 / 2349-7300
10	Dalavi Nilam Ishwar	Viral Post Identification using Core NLP and Naive Bayes	International Journal of Innovative Research in Engineering & Multi-disciplinary Physical Science	7 & 3	2019	- / 2349-7300





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11	Dalvi Nilam Ishwar	POTHOLE DETECTION AND MESSAGE PASSING SYSTEM	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	8 & 5	2020	- / 2393-9028
12	Hadke Seema Arun	Students Attendance system and academic performance prediction	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	- / 2349 - 5162
13	Hadke Seema Arun	Car Anti -Theft System through Face Recognition using GPS & GSM Module	International Journal of Research in Electronics and Computer Engineering	8 & 3	2020	- / ISSN(Online): 2348-2281 ISSN(Print) 2393-9028
14	Hadke Seema Arun	Identification of Trends in Technologies and Programming Languages Using Topic Modeling	Journal of Emerging Technologies and Innovative Research	7 & 3	2020	- / 2349 - 5162
15	Hadke Seema Arun	Text Classification for Subjective Scoring Using K-Nearest Neighbours Screen reader support enabled.	Journal of Emerging Technologies and Innovative Research(JETIR)	4 & 5	2019	- / 2349-5162
16	Hadke Seema Arun	A Broad Investigation for Diabetes Detection Using Machine Learning Techniques	Journal of Emerging Technologies and Innovative Research(JETIR)	6 & 5	2019	- / 2349-7300
17	Hadke Seema Arun	Secure Server Verification Using Visual Cryptography on Images	International Journal of Research in Advent Technology	5 & 5	2019	- / 2321-9637
18	Dhuttargi Sonali Basavraj	Colt: The Code Series Game for Learning Program Logic through Real Time Implementation	International Research Journal of Engineering and Technology (IRJET)	7 & 3	2020	- / 2395-0056
19	Dhuttargi Sonali Basavraj	Hiding Sensitive Information of Student for Secure Storage on Cloud	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	- / 2349-5162
20	Dhuttargi Sonali Basavraj	Higher Education Recommendation System	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	- / 2349-5162
21	Dhuttargi Sonali Basavraj	PREDICTING BUS ARRIVAL TIME USING GPS AND MACHINE LEARNING	International Journal of Emerging Technologies and Innovative Research	6 & 4	2019	- / 2349-5162



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22	Dhuttargi Sonali Basavraj	PRECISION GREENHOUSE AGRICULTURE	International Journal of Research and Analytical Reviews (IJRAR).	6 & 3	2019	-- / 2348-1269
23	Jadhav Jayashree Dhananjay	Quality of location awareness recommendation system based on user data	JETIR(Journal OF Emerging Technologies and Innovative Reserches )	7 & 836	2020	- / 2349-5162
24	Jadhav Jayashree Dhananjay	Quality of Location awareness Recommendation system based on user Data	IJIRMP	7 & 58	2019	- / 2349-7300
25	Jadhav Jayashree ,Bhagat Rupali ,Chatale Trupti ,Jamdade Sandhya ,Sarnaik Priti	Smart Traffic System	International Jr.of Computer science & ENGG.	7 & 667	2019	- / 2347-2693
26	Jadhav Jayashree Dhananjay	Quality of Location Awareness Recommendation System Based on User Data	IJIRMP	7 & 58	2019	-- / 2349-7300
27	Jagdale Sumati Minoj	Text Independent Speaker Identification with Prosody Features in presence of Noise	IJITEE	8 & 4	2019	Maharashtra / 2278-3075
28	Khot Sucheta Tirtharaj	Smart attendance system	Journal of emerging Technologies and innovative research	6 & 5	2019	0 / 2349-5162
29	Pawar Avinash M.	Multiphysics Simulation And Experimental Validation Of ECM Drilling Process	International Journal of Emerging Technologies and Innovative Research (JETIR)	06 & 8	2019	ISSN: 2349-5162 / 2349-5162
30	Pawar Avinash Manohar	CFD and Experimentation on Heat Transfer Enrichment in Receiver Tube for Parabolic Trough Collector	Test Engineering & Management	82 & 8	2020	0193 - 4120 / 0193 - 4120
31	Pawar Avinash MANOHAR,Kadam M A	Heat transfer enhancement of receiver tube with twisted tape inserts and vortex generator at different orientation using CFD analysis	International Journal of Advanced Science and Technology	29 & 9	2020	- / 2005-4238
32	Pawar Avinash Manohar	Manufacturing and Characterization of Biofunctionalized Nanofibers Using Electrospinning Process	International Journal on Recent Technologies in Mechanical and Electrical Engineering (IJRMEE)	6 & 13	2019	-- / 2349-7947





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33	Pawar Avinash Manohar	Cook Hiring Web Application-Bookacook	International Journal of Research in Electronics AND Computer Engineering (IJRECE)	7 & 12	2019	- / 2348-2281
34	Pawar Avinash Manohar	Challenges in Electrochemical Machining	RESEARCH REVIEW International Journal of Multidisciplinary	4 & 5	2019	- / 2455-3085
35	Salunkhe Shweta Sadanand	Wearable Autonomous Device providing personal assistance to Alzheimer Patients	Journal of Emerging Technologies and Innovative Research	6 & 4	2019	NIL / 2349-5162
36	Chorage Suvarna Sandip	Sensorized System for Assistance during Childbirth	Journal of Emerging Technologies and Innovative Research	6 & 4	2019	India / JETIR
37	Chorage Suvarna Sandip	Data Encryption and Decryption using RF Module	International Research Journal of Engineering and Technology	6 & 4	2019	Maharashtra / IRJET
38	Chorage Suvarna Sandip	Motor Imagery based EEG classification using Electrode Optimization Methodology	TEST Engineering and Management	83 & 6	2020	0193-4120 / 0193-4120
39	Chorage Suvarna Sandip	Detection of Autism Spectrum Disorder (ASD) using Machine Learning Techniques: A Review	International Journal of Future Generation Communication and Networking	13 & 12	2020	2233-7857 / 2233-7857
40	Shamalik Rameez Muneer	VIDEO CODING FOR SURVEYLLANCE	JETIR	6 & 5	2019	ISSN:2349-5162 / ISSN:2349-5162
41	Sapkal Roshnadevi Jaising	IOT Based Water Monitoring System	IRJET	6 & 4	2019	2395-0056 / 2395-0056
42	Sapkal Roshnadevi Jaising	A Review - Water Quality Monitoring System	International Journal of Scientific Research in Science and Technology	6 & 6	2019	2395-602X / 2395-602X
43	Naik Ketaki Bhalchandra	Multiobjective workload scheduling in distributed data centers	Proceedings of the 2019 Third IEEE International conference on Electrical, Computer and Communication Technologies	2 & 8	2019	- / 978-1-5386-8158-9
44	Naik Ketaki Bhalchandra	Integrated tool development for text and code plagiarism detection using semantic similarity and TF_IDF	Journal of Emerging Technologies and Innovative Research	4 & 6	2019	- / (2349-5162)
45	Naik Ketaki Bhalchandra	Agriruz: Precision Farming for Weed Detection & Control	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	0 / ISSN : 2349-5162
46	Naik Ketaki Bhalchandra	Effective Product marketing through Early Reviews	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	0 / ISSN : 2349-5162



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47	Deshmukh Sayalee Atul	Neural Network Classification of Blood Cell Images	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	7 & 5	2019	2393-9028 / 2348-2281
48	Deshmukh Sayalee Atul	Neural Network Classification of Blood Cell Images using Multiperception back Propagation	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	7 & 4	2019	2393-9028 / 2348-2281
49	Kanade Ashwini Vitthal	Machine Learning Model for Stock Market Prediction	International Journal for Research in Applied Science & Engineering Technology	8 & 8	2020	- / 2321-9653
50	Kanade Ashwini Vitthal	LifeSaver: The E-Blood Donation App	INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY (IRJET)	7 & 5	2020	- / E-ISSN: 2395-0056 p-ISSN: 2395-0072
51	Pawar Aishwarya ,Pawar Supriya ,Thoke Rutuja	A SUMMARIZATION TOOL FOR HOTEL REVIEWS	Journal of Emerging Technologies and Innovative Research	7 & 3	2020	- / 2349-5162
52	Kanade Ashwini Vitthal, Sayyed Afia ,Darekar Gauri ,Jaiswal Jayshri ,Khandagale Shruti	Prediction of career by analyzing user's browser history, personality traits and academic records (Dream Mantra)	International Education and Research Journal	5 & 3	2019	- / 2454-9916
53	Jadhav Shital Balasaheb	Using topic modeling for identifying trends in technologies and programming	International Journal of Innovative research in Engineering and Multidisciplinary Physical Science	7 & 3	2019	2349-7300 / 2349-7300
54	Kadam Anjali Prakash	NFC based Unique Identification and Healthcare Data Collection	International Journal of Research in Advent Technology	5 & 3	2019	NA / 2321-9673
55	Kadam Anjali Prakash	Face Skin Disease Classification based on images	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	/ 2349-5162
56	Kadam Anjali Prakash	Data Management & Unique Identification System by Using NFC	International Journal of Advanced Technology & Engineering Research	9 & 4	2019	NA / 2250-3536
57	Mulla Nilofar Altafhusen	Data Driven Herb's Product Recommendation Framework	Journal of Emerging Technologies and Innovative Research	7 & 3	2020	- / 2349-5162
58	Mulla Nilofar Altafhusen	Literature Survey Of Various Chatbots	Journal of Emerging Technologies and Innovative Research	7 & 7	2020	- / 2349-5162





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59	Mulla Nilofar Altafhusen	AI Based Scrutiny Bot for E-interview Using Natural Language Processing and Emotion Recognition	Journal of Emerging Technologies and Innovative Research	7 & 5	2020	- / 2349-5162
60	Mulla Nilofar Altafhusen	DETECTION OF LEUKEMIA USING RANDOM FOREST CLASSIFIER	Journal of Emerging Technologies and Innovative Research	6 & 6	2019	- / 2349-5162
61	Mulla Nilofar Altafhusen	SURVEY ON FRAUD DETECTION METHODS IN BANKING TRANSACTIONS	International Journal of Research and Analytical Reviews (IJRAR)	6 & 3	2019	- / 2348-1269
62	Khairkar Ashwini Deepak	Extract Algorithm ,Highlighted content & search Algorithm using Machine Learning & Core NLP with Scholar Big Data	International Journal of Research in Advent Technology (IJRAT) Special Issue	Special Issue & 3	2019	NILL / 2321-9637
63	Thite Sandip Shripati	"Smart Queue Management System with Real Time Tracking Using DNN"	International Journal of Emerging Technologies and Innovative Research	7 & 10	2020	0 / 2349-5162
64	Thite Sandip Shripati	Key Establishment Algorithm for Secure Cyber Physical System to Prevent Cyber Attacks	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	09 & 6	2019	0 / 2278-3075
65	Pawar Shital Ashok	Development of QoS Evaluation Algorithm for MQTT Protocol with Reference to Threat Model	International Journal of Engineering and Advanced Technology (IJEAT)	8 & 6	2019	- / 2249 – 8958
66	Pawar Shital Ashok	Current Security Challenges in Internet of Things	International Journal of Research in Electronics and Computer Engineering	7 & 4	2019	- / 2393-2281
67	Pawar Shital Ashok	Prediction of OphthalmicDisease Using Image Processing	Journal of Emerging Technologies and Innovative Research	4 & 5	2019	- / 2349-5162
68	Pakale Dhondiram Dadaso	Automated Self-Monitoring of Calorie Estimation on Food	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	6 & 5	2019	2455 2631 / 2455 2631



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69	Yesugade Kiran Dinkar, kharde Aditi Chudasama Hetanshi Mirashi Aditi, Muley Kajal	Crop Suggesting System Using Unsupervised Machine Learning Algorithm	International Journal of Computer Sciences and Engineering	7 & 4	2019	- / 2347-2693
70	Yesugade Kiran Dinkar, Kharde Aditi, Mirashi Ketki, Muley Kajal Chudasama Hetanshi	Crop Prediction Using Machine Learning Technique	Journal of Emerging Technologies and Innovative Research	6 & 5	2019	- / 2349-5162
71	Kadam Sonali Popatrao	web based system for dengue epidemics prediction based on meteorological and surveillance data	journal of emerging tech and innovative research	7 & 5	2020	- / 2349-5162
72	Kadam Sonali Popatrao	dengue epidemics prediction based on meteorological and surveillance data	international journal of advance computational science and engg tech	1 & 3	2020	- / 2582-323X
73	Kadam Sonali, Kawale Simran, Ghotgalkar priyanka Hajare Neha, Harake Kirti	Mining of complete fashion attire with multiple choices using deep learning	Journal of Emerging Technologies and Innovative Research	4 & 5	2019	- / 2349-5162
74	Kulkarni Vinaya Deepak	Computer System for diagnosis of 'Melanoma' type of skin cancer using classification	International Journal of Computer Science & engineering	7 & 340343	2019	- / 23472693
75	Kulkarni Vinaya Deepak	Document Classification and Summarization using Probabilistic Classifier	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	- / 2349-5162
76	Kulkarni Vinaya Deepak	Cryptographically enforced dynamic access control and traceable group data sharing in the cloud	Journal of Emerging Technologies and Innovative Research	7 & 4	2020	- / 2349-5162
77	Kulkarni Vinaya Deepak	Computer Aided System for diagnosis of skin cancer using classification	Journal of Emerging Technologies & Innovative Research	6 & 4	2019	- / 2349-5162
78	Godse Deepali Atul	Android Based Location Reminder Using Geofencing	Journal of Emerging Technologies and Innovative Research	6 & 5	2019	- / 2349-5162
79	Gaikwad Varsha Vijay	IOT Based Vehicular Emergency System	Journal of Emerging Technologies and Innovation	6 & 3	2019	2349-5162 / 2349-5162





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80	Gaikwad Varsha Vijay	IOT Based Vehicular Emergency System : A survey	International Journal of Advanced Research in Electronics and Communication Engineering.	8 & 3	2019	2278-909x / 2278-909x
81	Jadhav Smita Jaspal Dipika	Adsorptive eradication of turtrazine from aqueous solutions onto doped polyaniline	Journal of Serbian Chemical society	85 & 13	2019	- / 1820-7421
82	Bhilegaonkar Sanjay Mukundrao	Analysis of Performance Parameters of X-band Substrate Integrated Waveguide Antennas for Different Slot Shapes	IEEE Indian Conference on Antennas and Propagation, InCAP 2019	3	2019	-- / --
83	Hadke Seema Arun	Secure Server Verification Using Visual Cryptography on Images	National Conference on Role of Information Technology in Social Innovations	4	2019	978-93-5077-849-4 /
84	Hadke Seema Arun	Secure Server Veri??cation Using Visual Cryptography on Images	International Conference on Advent Trends in Engineering, Science and Managemen	5	2019	- / 2321-9637
85	Pawar Vijaya Rahul	Automatic Greenhouse Parameters Monitoring and Controlling Using Arduino and Internet of Things	International Conference on Innovative Data Communication Technologies and Application	7	2020	978-3-030-38039-7 / 978-3-030-38040-
86	Jagdale Sumati Manoj	Robust Speaker Recognition based on low level and Prosodic level features	Proceeding on Data Sciences, Security and applications	5	2019	-- / --
87	Jagdale Sumati Manoj	Robust speaker recognition based on low level and Prosodic level Features	International Conference on Data Sciences and Security Applications	8	2019	978-981-15-0372-6 / 1876-1100
88	Chorage Suvarna Sandip	Microstrip Antennas used for Noninvasive Determination of Blood Glucose Level	IEEE ICICCS 2020 May 2020	4	2020	IEEE /
89	Chorage Suvarna Sandip	Review of Reconfigurable Antennas for Future Wireless Communication	2nd IEEE International Conference on Emerging Smart Computing and Informatics ESCI 2020	5	2020	2nd IEEE International Conference on Emerging Smart Computing and Informatics ESCI 2020 / 2nd IEEE International Conference on Emerging Smart Computing and Informatics ESCI 2020



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90	Chorage Suvarna Sandip	Review: Soot (Particulate Matter) Sensor with an application to control pollution in diesel exhaust	5th International conference on Computing, Communication, Control and Automation (ICCUBEA-2019)	4	2019	ICCUBEA-2019 / ICCUBEA-2019
91	Shamalik Rameez Muneer	Evaluation of Trends and Techniques of Flexible, Wearable and Waterproof Antenna for Wireless Communication: A Survey	ICCCE 2019	5	2019	ISBN 978-981-13-8714-2 /
92	Shamalik Rameez Muneer	Transformation of Video Signal Processing Techniques from 2D to 3D: A Survey	ICCCE 2019	5	2019	ISBN 978-981-13-8714-2 /
93	Deshmukh Sayalee Pratap	Development of IoT Middleware Broker Algorithm for Handling Multiple Event Based Protocol Requests	International Journal of Engineering and Advanced Technology (IJEAT)	3	2019	2249 – 8958 / 2249 – 8958
94	Khairkar Ashwini Deepak	Detection & Prevention of Bots & Fake Profiles using Machine Learning	NCRUTSI 2019	5	2019	NILL / 2321-9637

## 8. Research Projects/Schemes Undertaken by Teachers (2019-2020)

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. (2019-2020)

Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	234	146	14

## 10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2019-2020)

Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise
1	NA	NA	NA	NA





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11. Grants Sanction for Funding Agency (2019-2020)

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

12. Faculty Wise Enrollment Of Students (2019-2020)

Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	64	13	0	3	0	3	6	5	56	1	0	151
	MALE	1	0	0	0	0	0	0	0	0	0	0	1
	<b>TOTAL</b>	65	13	0	3	0	3	6	5	56	1	0	152



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D. Statistical Information about Teacher for Academic Year ( 2019-2020 )

Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(B)	0	0	0	0	1	1
Date :	NT(C)	0	0	0	0	1	1
Place :	OBC	0	0	0	1	5	6
4	OPEN	0	4	4	9	18	27
5	SC	0	0	0	2	0	2
6	ST	0	1	1	0	0	0
	<b>Total</b>	0	5	5	12	25	37

Signature  
HOD/Principal/Director



  
V/C PRINCIPAL  
Bharati Vidyapeeth's  
College of Engineering for Women  
Pune-Satara Road, Pune-411043.





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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: Pune Pincode: 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@bharativedyapeeth.edu URL- http://coewpune.bharativedyapeeth.edu

5. Reference Books/Monographs Published by Teacher (2018-2019) :

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	Mitkari Santosh Rameshwar	Engineering Mathematics - III	Tech-Max	2018	978-93-88200-50-9 /
2	Mitkari Santosh Rameshwar	Probability and Statistics	Tech-Max	2019	978-93-88723-61-9 /
3	Mitkari Santosh Rameshwar	Engineering Mathematics-II	Tech-Max	2018	978-93-87656-18-5 /
4	Mitkari Santosh Rameshwar	Applied Mathematics	Tech-Max	2018	978-93-87235-80-9 /
5	Mitkari Santosh Rameshwar	Applied Mathematics	Tech-Max	2018	978-93-87523-52-4 /
6	Mitkari Santosh Rameshwar	Applied Mathematics	Tech-Max	2018	978-93-87235-79-3 /
7	Mitkari Santosh Rameshwar	Applied Mathematics	Tech-Max	2018	978-93-87523-46-3 /
8	Kore Sharada Laxman	Case Study 2: Writer Identification and Verification	CRC Press Taylor & Francis Group	2018	9781498782012 / -

6. No. of Conference, Symposia, Seminars, Workshops etc. Organized (2018-2019)

Sr. No.	No. of State Level	No. of National Level	No. of International Level
1	54	1	0



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**7. Research Publications in National and International Journals/Edited Books/Proceedings (2018-2019)**

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	Smart Ration Card System using RFID and Embedded System	International Journal on Future Revolution in Computer Science & Communication Engineering	4 & 5	2018	2454-4248 / 2454-4248
2	Warke Kanchan Shashikant	PREDICT THE ALZHEIMER'S DISEASE BASED ON MACHINE LEARNING TECHNIQUES	Journal of Emerging Technologies & Innovative Research	6 & 4	2018	2349-5162 / 2349-5162
3	Warke Kanchan Shashikant	Prediction of Alzheimer's Disease Using Machine Learning Techniques	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Science	6 & 4	2018	2349-7300 / 2349-7300
4	Karambelkar Varsha Shashikant	Survey on an IOT Based Environment monitoring system for Smart Industries	International Journal of Innovative Research in computer and communication Engineering	6 & 9	2018	- / 2320-9801
5	Karambelkar Varsha Shashikant	Wireless E Notice Board	International Engineering Research Journal	2 & 3	2018	-- / 2395-1621
6	Bhilegaonkar Sanjay Mukundrao	MICROSTRIP LOG PERIODIC ANTENNA ARRAY	International Journal of Advanced in Management, Technology and Engineering Sciences	8 & 61	2018	-- / 2249-7455
7	Sawant Kavita Shantanu	Automatic Quality Assessment of Echocardiograms Using Convolutional Neural Network Feasibility on the Apical Four-Chamber View	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	6 & 5	2018	2349-7300 / 2349-7300
8	Sawant Kavita Shantanu	Wellness Program Counsel	International Journal Of Engineering And Computer Science	7 & 4	2018	2319-7242 / 2319-7242
9	Sawant Kavita Shantanu	Automatic Quality Assessment of Echocardiograms Using Convolutional Neural Network Feasibility on the Apical Four-Chamber View	IJIRMPS	6 & 5	2018	ISSN: 2349-7300 / ISSN: 2349-7300





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10	Kore Sharada Laxman	Automatic Lane Clearance System for Emergency Vehicles	International Journal of Innovative Research in Computer and Communication Engineering	6 & 5	2018	-- / --
11	Sagar Swati Ashok	A High Secure Shoulder Surfing Resistant Text Based Graphical Password Authentication System	International Journal of Creative Research Thoughts (IJCRT)	6 & 5	2018	N / 2320-2882
12	Sagar Swati Ashok	Authentication System using Cryptographic secure password Storage	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	6 & 4	2018	Maharashtra / 2349-7300
13	Rane Mugdha Arvind	Aspect-wise Product Quality Evaluation System based on Reviews with Aspect Categorization using Supervised and Unsupervised Techniques	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	7 & 532	2019	2349-7300 / 2349-7300
14	Rane Mugdha Arvind	AGROBOT-In-Hydroponic Monitoring Ecosystem	International Journal of Creative Research Thoughts (IJCRT)	6 & 13	2018	2320-2882 / 2320-2882
15	Rane Mugdha Arvind	Deduplication on Encrypted Data with Secure Cloud Storage	International Journal of Creative Research Thoughts (IJCRT)	6 & 4	2018	2320-2882 / 2320-2882
16	Rane Mugdha Arvind	Smart Cloud based Healthcare Application having Data Authentication Control using Time Constraint	International Journal of Innovative Research in Engineering and Multidisciplinary Physical Sciences	7 & 518	2019	2349-7300 / 2349-7300
17	Mahajan Kanchan Deepak	SMART BUS ALERT SYSTEM FOR EASY NAVIGATION FOR BLIND PEOPLE USING ANDROID APPLICATION	International Journal of Recent Scientific Research	9 & 26307	2018	Nil / 0976-3031
18	Dalavi Nilam Ishwar	Viral Post Identification using Core NLP and Naive Bayes	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Science	7 & 3	2019	- / 2349-7300
19	Dalavi Nilam Ishwar	Viral Post Identification using Core NLP Technique	Journal of Emerging Technologies and Innovative Research	6 & 4	2018	- / 2349-5162
20	Hadke Seema Arun	Secure Data Distribution in Mobile Cloud Computing	International Journal of Creative Research Thoughts (IJCRT)	6 & 16	2018	- / 2320-2882



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21	Hadke Seema Arun	Text Classification for Subjective Scoring Using K-Nearest Neighbours Screen reader support enabled.	Journal of Emerging Technologies and Innovative Research(JETIR)	4 & 5	2019	- / 2349-5162
22	Hadke Seema Arun	A Broad Investigation for Diabetes Detection Using Machine Learning Techniques	Journal of Emerging Technologies and Innovative Research(JETIR)	6 & 5	2019	- / 2349-7300
23	Hadke Seema Arun	Secure Server Verification Using Visual Cryptography on Images	International Journal of Research in Advent Technology	5 & 5	2019	- / 2321-9637
24	Dhuttargi Sonali Basavraj	Detection of Navigation Problem and Guiding User in Real Time	ICRT	6 & 3	2018	- / 2320-2882
25	Dhuttargi Sonali Basavraj	PREDICTING BUS ARRIVAL TIME USING GPS AND MACHINE LEARNING	International Journal of Emerging Technologies and Innovative Research	6 & 4	2019	- / 2349-5162
26	Dhuttargi Sonali Basavraj	PRECISION GREENHOUSE AGRICULTURE	International Journal of Research and Analytical Reviews (IJRAR).	6 & 3	2019	-- / 2348-1269
27	Pawar Vijaya Rahul	Design of low power pierce crystal oscillator using CMOS Technology	International Journal of Computer Sciences And Engineering	6 & 3	2018	Open access / E-ISSN: 2347-2693
28	Yadav Amol Pandurang	smart helmet	International Engineering Research Journal (IERJ).	2 & 4	2018	00 / 23951621
29	Jadhav Jayashree Dhananjay,Ghotane Vinita ,Sapkal Rutuja	Cloud Unified Threat Management System	International Jr. for research in Applied Science & Engineering Technology.	6 & 1712	2018	- / 2321-6953
30	Jadhav Jayashree ,Bhagat Rupali ,Chatale Trupti ,Jamdade Sandhya ,Sarnaik Priti	Smart Traffic System	International Jr.of Computer science & ENGG.	7 & 667	2019	- / 2347-2693
31	Jagdale Sumati Manoj	Automatic Language and Text Independent Speech Emotion Recognition using MFCC for ATM Security	International Journal of Pure and Applied Mathematics	118 & 10	2018	-- / 1311-8080





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32	Jagdale Sumati Manoj	FPGA implementation of DSSS Transmitter using Pseudo Chaotic Sequence	International Journal for Research in Applied Science and engineering Technology	6 & 5	2018	-- / 2321-9653
33	Jagdale Sumati Manoj	Early Detection of Glaucoma Using Perimetry	International Journal of Computer Sciences And Engineering	6 & 5	2018	Maharashtra / 2347-2693
34	Jagdale Sumati Manoj	Perimetry:-A technique to measure visual field of eye	Journal of Emerging Technologies and Innovative Research	5 & 5	2018	Maharashtra / 2349-5162
35	Jagdale Sumati Manoj	Real Time Speed Monitoring and Controlling System	International Journal for Research in Applied Science and engineering Technology	6 & 4	2018	-- / 2321-9653
36	Mulik Vinod Prakash	Cashew Grading using Image Processing	IJRIT	6 & 2833	2018	Na / 2005-5569
37	Mulik Vinod Prakash	Cashew Grading using Image Processing	IERJ	2 & 45154518	2018	Na / 2395-1621
38	Mulik Vinod Prakash	Detection of Defects in Industrial Pipes	IERJ	2 & 45084510	2018	Na / 2395-1621
39	Khot Sucheta Tirtharaj	Smart attendance system	Journal of emerging Technologies and innovative research	6 & 5	2019	0 / 2349-5162
40	Khot Sucheta Tirtharaj	A novel method of automated malaria parasite detection using android mobile phone	International journal of research in information technology	6 & 6	2018	2001-5569 / 2001-5569
41	Khot Sucheta Tirtharaj	Identification of a person using ear biometric detection	International journal of research in information technology	6 & 4	2018	2001-5569 / 2001-5569
42	Pawar Avinash Manohar, Chavan Sachin S.	An Innovative Simulation Approach To Improve The Electrochemical Machining Performance	International Journal of Mechanical Engineering & Technology	09 & 17	2018	ISSN Online: 0976 - 6359 / 0976 - 6348
43	Pawar Avinash Manohar	Electrochemistry In Electrochemical Machining Process	Journal of Advanced Research in Dynamical and Control Systems	10 & 16	2018	ISSN-1943 - 023X / 1943 - 023X
44	Pawar Avinash M.	Multiphysics Simulation And Experimental Validation Of ECM Drilling Process	International Journal of Emerging Technologies and Innovative Research (JETIR)	06 & 8	2019	ISSN: 2349-5162 / 2349-5162
45	Pawar Avinash Manohar	Manufacturing and Characterization of Biofunctionalized Nanofibers Using Electrospinning Process	International Journal on Recent Technologies in Mechanical and Electrical Engineering (IJRMEE)	6 & 13	2019	-- / 2349-7947



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46	Pawar Avinash Manohar	Cook Hiring Web Application:Bookacook	International Journal of Research in Electronics AND Computer Engineering (IJRECE)	7 & 12	2019	- / 2348-2281
47	Pawar Avinash Manohar	Challenges in Electrochemical Machining	RESEARCH REVIEW International Journal of Multidisciplinary	4 & 5	2019	- / 2455-3085
48	Salunkhe Shweta Sadanand	ATM security based on Iris Recognition	International Research Journal of Engineering and Technology	5 & 5	2018	- / 2395-0056
49	Salunkhe Shweta Sadanand	Wearable Autonomous Device providing personal assistance to Alzheimer Patients	Journal of Emerging Technologies and Innovative Research	6 & 4	2019	NIL / 2349-5162
50	Chorage Suvarna Sandip	Automatic Wheeze Detection in Lungs Sound	International Journal of Computer Sciences and Engg.	6 & 4	2018	2319-6726 / 2319-6726
51	Chorage Suvarna Sandip	Four Level Door security System	International Journal for Research in Applied Science and Engineering Technology	6 & 4	2018	2321-9653 / 2321-9653
52	Chorage Suvarna Sandip	Fingerprint based attendance monitoring system using android application	IJSES	2 & 3	2018	2456-7361 / 2456-7361
53	Chorage Suvarna Sandip	Sensorized System for Assistance during Childbirth	Journal of Emerging Technologies and Innovative Research	6 & 4	2019	India / JETIR
54	Chorage Suvarna Sandip	Data Encryption and Decryption using RF Module	International Research Journal of Engineering and Technology	6 & 4	2019	Maharashtra / IRJET
55	Chorage Suvarna Sandip	Analysis and Automatic Detection of Wheeze in Lung Sounds	International Journal of Emerging Technologies and Innovative Research	5 & 4	2018	2349-5162 / 2349-5162
56	Shamalik Rameez Muneer	VIDEO CODING FOR SURVEYLLANCE	JETIR	6 & 5	2019	ISSN:2349-5162 / ISSN:2349-5162
57	Sapkal Roshnadevi Jaising	"IoT Based Water Monitoring System	IRJET	6 & 4	2019	2395-0056 / 2395-0056
58	Sapkal Roshnadevi Jaising	Physiological parameters monitoring system using Raspberry Pi	ISRSET	4 & 4	2018	2394-4099 / 2395-1990
59	Sapkal Roshnadevi Jaising	A Review - Water Quality Monitoring System	International Journal of Scientific Research in Science and Technology	6 & 6	2019	2395-602X / 2395-602X





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60	Naik Ketaki Bhalchandra	Multiobjective Virtual Machine Selection for Task Scheduling in Cloud Computing	Advances in Intelligent Systems and Computing	798 & 12	2018	- / 2194-5357
61	Naik Ketaki Bhalchandra	Multiobjective workload scheduling in distributed data centers	Proceedings of the 2019 Third IEEE International conference on Electrical, Computer and Communication Technologies	2 & 8	2019	- / 978-1-5386-8158-9
62	Naik Ketaki Bhalchandra	Pareto-Based Adaptive Resources Selection Model in Hybrid Cloud Environment	IETE Journal of Research	- & 14	2018	- / 0377-2063 (Print) 0974-780X (Online)
63	Naik Ketaki Bhalchandra	Pareto Based Virtual Machine Selection with Load Balancing in Cloud Data Centre	Cybernetics And Information Technologies	18 & 10	2018	- / Print ISSN: 1311-9702; Online ISSN 1314-4081
64	Naik Ketaki Bhalchandra	Integrated tool development for text and code plagiarism detection using semantic similarity and TF_IDF	Journal of Emerging Technologies and Innovative Research	4 & 6	2019	- / (2349-5162)
65	Naik Ketaki Bhalchandra	Building Analytical Dashboard for Visualizing Data	International Journal for Research in Applied Science & Engineering Technology(IJRASET),	6 & 4	2018	2321-9653 / ISSN No: 2321-9653
66	Yawle Pranali Rajesh	Smart Electric Energy Meter Based on IoT	International Journal of Research in Information Technology	6 & 7	2018	- / 2001-5569
67	Yawle Pranali Rajesh	Design and Implementation of Air Mouse	International Journal of Research in Information Technology	6 & 7	2018	- / 2001-5569
68	Patil Sandip Raosaheb	To design magnitude comparator using CMOS	Journal of emerging technologies and innovative research	6 & 2	2018	- / 2349-5162
69	Patil Sandip Raosaheb	To design magnitude comparator using CMOS	Journal of emerging technologies and innovative research	6 & 2	2018	- / 2349-5162
70	Dhole Sampada Abhijit	Determining thyroid nodules using Texture analysis	IJREAM	4 & 4	2018	2454-9150 / 2454-9150
71	Deshmukh Sayalee Pratap	Neural Network Classification of Blood Cell Images	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	7 & 5	2019	2393-9028 / 2348-2281



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72	Deshmukh Sayalee Pratap	Neural Network Classification of Blood Cell Images using Multiperception back Propagation	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	7 & 4	2019	2393-9028 / 2348-2281
73	Deshmukh Sayalee Pratap	Double Guard IDS System for E-Commerce Website	International Journal for Research in Applied Science & Engineering Technology	6 & 4	2018	maharashtra / 2321-9653
74	Deshmukh Sayalee Pratap	eDouble Guard Security System for e-commerce Website	International Journal of Research	5 & 3	2018	2348 - 6848 / 2348 - 6848
75	Kanade Ashwini Vitthal, Kothawade Ankita Lawand Pooja, Rasane Devika, Shingure Shivani	Secure Data Over Cloud using Access Control Scheme	INTERNATIONAL ENGINEERING RESEARCH JOURNAL	4 & 4	2019	- / 2395 - 1621
76	Kanade Ashwini Vitthal, Sayyed Afiya Darekar Gauri, Jaiswal Jayshri, Khandagale Shruti	Prediction of career by analyzing user's browser history, personality traits and academic records (Dream Mantra)	International Education and Research Journal	5 & 3	2019	- / 2454-9916
77	Jadhav Shital Balasaheb	Using topic modeling for identifying trends in technologies and programming	International Journal of Innovative research in Engineering and Multidisciplinary Physical Science	7 & 3	2019	2349-7300 / 2349-7300
78	Kadam Anjali Prakash	A New Approach for Evidence Gathering Using Data Mining Techniques	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN ENGINEERING AND MULTIDISCIPLINARY PHYSICAL SCIENCES	6 & 5	2018	NA / 2349-7300
79	Kadam Anjali Prakash	NFC based Unique Identification and Healthcare Data Collection	International Journal of Research in Advent Technology	5 & 3	2019	NA / 2321-9673
80	Kadam Anjali Prakash	Data Management & Unique Identification System by Using NFC	International Journal of Advanced Technology & Engineering Research	9 & 4	2019	NA / 2250-3536
81	Mulla Nilofar Altafhusen	Community Question Answering Pair (CQAP) Using Fine-Grained And Reputation Based Approach	International Journal of Creative Research Thoughts (IJCRT)	6 & 7	2018	- / 2320-2882





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82	Mulla Nilofar Altafhusen	DETECTION OF LEUKEMIA USING RANDOM FOREST CLASSIFIER	Journal of Emerging Technologies and Innovative Research	6 & 6	2019	- / 2349-5162
83	Mulla Nilofar Altafhusen	SURVEY ON FRAUD DETECTION METHODS IN BANKING TRANSACTIONS	International Journal of Research and Analytical Reviews (IJRAR)	6 & 3	2019	- / 2348-1269
84	Mulla Nilofar Altafhusen	Study on Software Test Case Generation Techniques and Future Scope in Agile	Journal of Advanced Research in Dynamical and Control Systems	- & 5	2018	- / 1943-023X
85	Khairkar Ashwini Deepak	System to Use Text Stream Mining Techniques for Identification of Abnormal Behavior	International Journal of Creative Research Thoughts (IJCRT)	vol-6 & 8	2018	Maharashtra / ISSN 2320-2882
86	Khairkar Ashwini Deepak	Extract Algorithm Highlighted content & search Algorithm using Machine Learning & Core NLP with Scholar Big Data	International Journal of Research in Advent Technology (IJRAT) Special Issue	Special Issue & 3	2019	NILL / 2321-9637
87	Thite Sandip Shripati	EVIL TWIN ACCESS POINT DETECTION AND PREVENTION IN WIRELESS NETWORK	INTERNATIONAL JOURNAL OF CURRENT ENGINEERING AND SCIENTIFIC RESEARCH (IJCESR)	5 & 6	2018	2393-8374 / 2394-0697
88	Pawar Shital Ashok	Online Database Load Balancer to Collaborating With Existing Database	International Journal of Computer Sciences and Engineering (IJCSE)	6 & 4	2018	- / 2347-2693
89	Pawar Shital Ashok	Current Security Challenges in Internet of Things	International Journal of Research in Electronics and Computer Engineering	7 & 4	2019	- / 2393-2281
90	Pawar Shital Ashok	Analysis of Ocular Disease Using Multiple Information Domains	International Journal of Innovative research in Engineering and Multidisciplinary Physical Science	6 & 4	2018	- / 2349-7300
91	Pawar Shital Ashok	Prediction of Ophthalmic Disease Using Image Processing	Journal of Emerging Technologies and Innovative Research	4 & 5	2019	- / 2349-5162
92	Pukale Dhondiram Dadaso	deep learning for early diagnosis of Breast cancer using mammogram images	International journal of Research	5 & 4	2018	2348-795x / 2348-6848

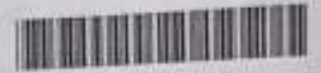


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93	Pukale Dhondiram Dadaso	a Disease Prediction and Rectification System for ? Banana leaf using CNN	International Journal of Scientific Development and Research Science	3 & 4	2018	2455 2631 / 2455 2631
94	Pukale Dhondiram Dadaso	Automated Self-Monitoring of Calorie Estimation on Food	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	6 & 5	2019	2455 2631 / 2455 2631
95	Yesugade kiran Dinkar, Kambule Snehal, Kate Ashwini, Patwar Sonali	Online Intrusion Detection System for Wide Range of Attack	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	6 & 3996	2018	- / 2321-9653
96	Yesugade kiran Dinkar, Panja Babita, Bhagwatkar Prachi, Lohia Palak, Koli Ruchita, Kadam Sonali P.	Mobile Data Warehouse - Creating Multi-Cluster Web Application which will Track the Entire Process of Data Warehouse	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	6 & 2409	2018	- / 2321-9653
97	Yesugade Kiran Dinkar	Crop Suggesting System Using Unsupervised Machine Learning Algorithm	International Journal of Computer Sciences and Engineering	7 & 4	2019	- / 2347-2693
98	Yesugade Kiran Dinkar	Crop Prediction Using Machine Learning Technique	Journal of Emerging Technologies and Innovative Research	6 & 5	2019	- / 2349-5162
99	Yesugade Kiran Dinkar, Kharde Aditi, Mirashi Ketki, Muley Kajal, Chudasama Hetanshi	Machine Learning Approach for Crop Selection based on Agro-Climatic Conditions	International Journal of Advanced Research in Computer and Communication Engineering	7 & 4	2018	- / 2278-1021
100	Kadam Sonali Popatrao	Mobile Data Warehouse - Creating Multi-Cluster Web Application which will Track the Entire Process of Data Warehouse	International Journal for Research in Applied Science and Engineering Technology	6 & 5	2018	- / 2321-9653
101	Kadam Sonali Popatrao	Automated Web Based Test Engine Using Cloud	International Journal for Research in Applied Science & Engineering Technology	6 & 5	2018	- / 2321-9653
102	Kadam Sonali, Kawale Simran, Ghotgalkar priyanka, Hajare Neha, Harake Kirti	Mining of complete fashion attire with multiple choices using deep learning	Journal of Emerging Technologies and Innovative Research	4 & 5	2019	- / 2349-5162
103	Kadam Sonali, Simran Kawale, Priyanka Ghotgalkar, Neha Hajare, Kirti Harke	Mining Of Complete Fashion Attire with Multiple Choices Using Deep Learning	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	6 & 3	2018	- / 2349-7300





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104	Kulkarni Vinaya Deepak	Computer System for diagnosis of 'Melanoma' type of skin cancer using classification	International Journal of Computer Science & engineering	7 & 340343	2019	- / 23472693
105	Kulkarni Vinaya Deepak	Computer Aided System for Diagnosis of Skin Cancer Using Classification	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	6 & 169171	2018	- / 2347-2693
106	Kulkarni Vinaya Deepak	Computer Aided System for diagnosis of skin cancer using classification	Journal of Emerging Technologies & Innovative Research	6 & 4	2019	- / 2349-5162
107	Kulkarni Vinaya Deepak	An Eye Blink and Head Movement Detection for Computer Vision Syndrome	International Journal of Science and Engineering Applications (IJSEA)	7 & 3	2018	- / 2319-7560
108	Kulkarni Vinaya Deepak	2D Virtual Reality using augmented reality	International Journal on Future Revolution in Computer Science & Communication Engineering	4 & 3	2018	- / 2454-4248
109	Shelke Sheetal Venkatrao	Smart Car Security System	International Journal of Management, Technology And Engineering	8 & 6	2018	- / ISSN NO : 2249-7455
110	Kasar Mahavir Shantinath	Solar Based Multi-Tasking Agriculture Robot	International Journal of Scientific Research in Science, Engineering and Technology	4 & 4	2018	na / 2395-1990
111	Kasar Mahavir Shantinath	Portable FFT Analyser Using Raspberry Pi	International Engineering Research Journal (IERJ)	2 & 3	2018	na / 2395-1621
112	Itkarkar Savita Atul	A smartphone using Raspberry PI	International Journal of Current Advanced Research	7 & 3	2018	-- / 2319-6475
113	Itkarkar Savita Atul	Wireless smartphone charging using Solar Cell	IER Journal	- & 3	2018	-- / 2395-1621
114	Godse Deepali Atul	Detecting Jute Plant Disease using Image Processing and Machine Learning	International Journal of Current Engineering and Scientific Research	5 & 5	2018	- / 2393-8374 (Print), 2394-0697 (Online)
115	Godse Deepali Atul	Android Based Location Reminder Using Geofencing	Journal of Emerging Technologies and Innovative Research	6 & 5	2019	- / 2349-5162
116	Gaikwad Varsha Vijay	Smart Infant Care System	International Journal of Management Technology and Engineering	8 & 4	2018	2249-7455 / 2249-7455
117	Gaikwad Varsha Vijay	IOT Based Vehicular Emergency System	Journal of Emerging Technologies and Innovation	6 & 3	2019	2349-5162 / 2349-5162



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118	Gaikwad Varaha Vijay	IOT Based Vehicular Emergency System : A survey	International Journal of Advanced Research in Electronics and Communication Engineering.	8 & 3	2019	2278-909x / 2278-909x
119	Dhumal Yashomati Ram	Human behaviour recognition and person identification by handwriting analysis using neural network	IJEESCE	5 & 3	2018	- / 2454-1222
120	Vitekar Atul Bapuso	IoT based remote controlled intelligent polyhouse	International Journal of Research in Information Technology	7 & 19	2018	2001-5569 / 2001-5569
121	Hadke Seema Arun	Secure Server Verification Using Visual Cryptography on Images	National Conference on Role of Information Technology in Social Innovations	4	2019	978-93-5077-849-4 /
122	Hadke Seema Arun	Secure Server Veri?ication Using Visual Cryptography on Images	International Conference on Advent Trends in Engineering, Science and Managemen	5	2019	- / 2321-9637
123	Pawar Vijaya Rahul	Soil Monitoring, Fertigation, and Irrigation System Using IoT for Agricultural Application	Intelligent Communication and Computational Technologies	7	2018	978-981-10-5522-5 /
124	Pawar Vijaya Rahul	Automatic Cotton Leaf Disease Diagnosis and Controlling Using Raspberry Pi and IoT	Intelligent Communication and Computational Technologies	11	2018	978-981-10-5522-5 /
125	Jagdale Sumati Manoj	Robust Speaker Recognition based on low level and Prosodic level features	Proceeding on Data Sciences, Security and applications	5	2019	- / -
126	Salunkhe Shweta Sadanand	Content based image retrieval using Haar wavelets	EECCMC	5	2018	- / -
127	Shamalik Rameez Muneer	Evaluation of Trends and Techniques of Flexible, Wearable and Waterproof Antenna for Wireless Communication: A Survey	ICCCE 2019	5	2019	ISBN 978-981-13-8714-2 /
128	Shamalik Rameez Muneer	Transformation of Video Signal Processing Techniques from 2D to 3D: A Survey	ICCCE 2019	5	2019	ISBN 978-981-13-8714-2 /





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129	Deshmukh Sayalee Pratap	IOT based Traffic Signal control for reducing time delay of an Emergency Vehicle using GPS	International Conference On Computing, Communication, Control And Automation	3	2018	9781509032921 / 9781509032921
130	Khairkar Ashwini Deepak	Detection & Prevention of Bots & Fake Profiles using Machine Learning	NCRITSI 2019	5	2019	NILL / 2321-9637

**8. Research Projects/Schemes Undertaken by Teachers (2018-2019)**

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
1	Nilofar Mulla	Engineering	Automatic generation of test cases with classifica	SPPU	09/07/2019-09/07/2021	250000	Minor

**9. Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2018-2019)**

Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	68	44	3

**10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2018-2019)**

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

**11. Grants Sanction for Funding Agency (2018-2019)**

Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other
1	0	0	0	5	0



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## 12. Faculty Wise Enrollment Of Students (2018-2019)

Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	97	19	0	1	0	7	4	0	42	7	0	177
	<b>TOTAL</b>	97	19	0	1	0	7	4	0	42	7	0	177

## 13. Statistical Information about Teacher for Academic Year (2018-2019)

Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(C)	0	0	0	0	1	1
2	OBC	1	0	1	0	5	5
3	OPEN	0	4	4	9	18	27
4	SC	0	0	0	2	0	2
5	ST	0	1	1	0	0	0
	<b>Total</b>	1	5	6	11	24	35

Date :

Place :

Signature  
HOD/Principal/Director

I/C PRINCIPAL  
 Bharati Vidyapeeth's  
 College of Engineering for Women  
 Pune-Satara Road, Pune-411043.