



AR2104852

## Savitribai Phule Pune University

### Annual Report Information 2020-2021

#### Planning and Development

#### College Details

<b>1.</b>	<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	<b>2.</b>	<b>Address Of the Department/College/Institute</b>	: Pune-Satara Road Dhanakawadi Pune Ta: Pune (corporation Area) Dist: Pune Pincode: 411043
<b>3.</b>	<b>Name Of the Head/Principal/Director</b>	: Sandip Raosaheb Patil	<b>4.</b>	<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 (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- I	NIRALI PRAKASHAN	2020	938982575-X /
2	Pawar 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



AR2104852

**Savitribai Phule Pune University**  
**Annual Report Information 2020-2021**  
**Planning and Development**

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



AR2104852

**Savitribai Phule Pune University**  
**Annual Report Information 2020-2021**  
**Planning and Development**

12	Dalvi Nilam Ishwar	Online Voting System Using Visual Cryptography and Machine LearningBased on Adhaar Number	International Journal of Innovative research in Computer and Communication engineering	9 & 5	2021	- / 2320-9801(online) 2320-9798(Print)
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 (IJIRCCE)	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(Print): 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



AR2104852

**Savitribai Phule Pune University**  
**Annual Report Information 2020-2021**  
**Planning and Development**

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 Reaserches )	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



AR2104852

**Savitribai Phule Pune University**  
**Annual Report Information 2020-2021**  
**Planning and Development**

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



AR2104852

**Savitribai Phule Pune University**  
**Annual Report Information 2020-2021**  
**Planning and Development**

47	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
48	Naik Poonam ,Godse Gauri ,Prajapati Pooja ,Khairkar Ashwini Deepak	Social Distancing and Face Mask Detection using Deep Learning as Saftey measure for COVID-19	Journal of Emerging Technologies and Innovative Research	8 & 7	2021	- / 2349-5162
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 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
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 sureillance data	journal of emerging tech and innovative research	7 & 5	2020	- / 2349-5162
55	Kadam Sonali Popatrao	dengue epidemics prediction based on meteorological and sureillance 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



AR2104852

**Savitribai Phule Pune University**  
**Annual Report Information 2020-2021**  
**Planning and Development**

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: 2320-9798
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 (IJARESM)	9 & 9	2021	- / 2455-6211
63	Kulkarni Vinaya Deepak	Document Classification and Summarization using Probabilistic Classifier	JETIR (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	JETIR (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



AR2104852

**Savitribai Phule Pune University**  
**Annual Report Information 2020-2021**  
**Planning and Development**

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 / 978-3-030-38040-3
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 / 978-1-7281-8519-4





AR2104852

**Savitribai Phule Pune University**  
**Annual Report Information 2020-2021**  
**Planning and Development**

76	Deshmukh Sayalee Pratap	Survey Paper on Developing Industrial IoT Broker Capable of Handling Multi Protocol Architecture	Snd 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



AR2104852

**Savitribai Phule Pune University**  
**Annual Report Information 2020-2021**  
**Planning and Development**

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	

Place :

Signature<sup>38</sup>  
HOD/Principal/Director