



AR2104902

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

College Details

1. Name Of the Department/College/Institute	: Matoshri Shikshan Sanstha Matoshri Engineering College and Research Center Addr: Aurangabad Road Odhagavajaval Ta: Nashik Dist: Nashik	2. Address Of the Department/College/Institute	: Aurangabad Road Odhagavajaval Ta: Nashik Dist: Nashik Pincode: 422105
3. Name Of the Head/Principal/Director	: KHARATE GAJANAN KASHIRAM	4. Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address	: Tele.- 9604788280 Email- gkkharate@rediffmail.com URL- www.mcerc.org

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	NA	NA	NA	NA	NA

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	39	4	0

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	Sonawane Pratap Ramesh	Experimental Analysis on Lathe Machine for Alternative Lubricants	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	6 & 11	2021	2581-9429 / 2581-9429
2	Sonawane Pratap Ramesh	ANALYSIS OF NANOPARTICLE ALUMINA + TITANIUM OXIDE AS COOLING MEDIUM WITH VEGETABLE OIL AS LUBRICATING FLUID	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	10 & 6	2020	2249-8001 / 2249-8001
3	Dighe Devidas Dnyaneshwar	Detection of Nutrients of Soil using ARM9 Processor for Green House	International Journal of Engineering Research & Technology (IJERT)	10 & 4	2021	IJERTV10IS060023 / 2278-0181





AR2104902

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

4	Bhale Niranjana Laxmanrao	PDF Extraction Using Data Mining Techniques	International Research Journal of Engineering and Technology (IRJET)	7 & 3	2020	NA / e-ISSN: 2395-0056
5	Patil Tushar Ramdas	Agriculture Three In One Mechanism	International Journal of Recent Advances in Multidisciplinary Topics	3 & 4	2021	2582-7839 / 2582-7839
6	Patil Tushar Ramdas	BIKE WASTAGE HEAT RECOVERY	IJARIE	3 & 13	2021	2395-4396 / 2395-4396
7	Patil Tushar Ramdas	Fabrication of Pneumatic Series Coupler for Belt Conveyor	International Journal of Recent Advances in Multidisciplinary Topics	2 & 6	2021	2582-7839 / 2582-7839
8	Joshi Swapnil Ravindra	Rutting & fatigue analysis of flexible pavement with or without geo synthetic	IJRASET	9 & 4	2021	2321-9653 / 2321-9653
9	Shriwastava Rakesh Ghanshyamlal	Performance Analysis of CB-SVM Three-Phase Five-Level DCMLI Fed PMSM Drive	Turkish Journal of Computer and Mathematics Education	Vol.12 & 10	2021	State/Province / Vol.12-No.12,(2021)
10	Shriwastava Rakesh Ghanshyamlal	The architecture of a 24 dynamic Voltage restorer for voltage enhancement incorporating voltage vector methodologies	Elsevier Procedia(2021).	10 & 11	2021	State/Province / SSRN-id3883846
11	Shriwastava Rakesh Ghanshyamlal	Implementation of DTC-Controlled PMSM Driven By A Matrix Converter	International Journal of Recent Technology and Engineering (IJRTE)	Volume-8 & 5	2020	State/Province / 2277-3878
12	Shriwastava Rakesh Ghanshyamlal	ANFIS-MPPT Control Algorithm for a PEMFC System used in Electric Vehicle Applications	THE RESEARCH JOURNAL (TRJ): A UNIT OF I2OR	TRJ Vol. 6 & 9	2020	State/Province / ISSN: 2454-7301 (Print) ISSN: 2454-4930 (Online)
13	Shriwastava Rakesh Ghanshyamlal	Review on Selection of Fuel Cell for Powering Electric Vehicle	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	IJRECE VOL. 8 OCT-DEC. 2020 & 9	2020	State/Province / ISSN: 2393-9028 (PRINT) ISSN: 2348-2281 (ONLINE)
14	WAGH HEMANT BHAGWAN	CORONA WARRIOR ROBOT	IJARIE	7 & 5	2021	14655 / 2395-4396
15	Wagh Hemant Bhagwan	DESIGN ANALYSIS AND PERFORMANCE OF GREENHOUSE BASED SOLAR DRYER	IJARST	7 & 12	2021	10.48175/IJARST-1651 / 2581-9420

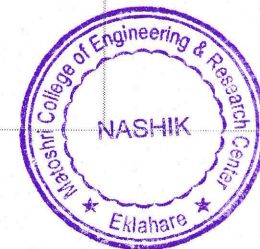




AR2104902

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

16	Shingate Dattatray Sahebrao	Autonomous Road Sign Recognition and Lane Detection Using Convolutional Neural Networks	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	7 & 4	2020	NA / 2349-6002
17	Shingate Dattatray Sahebrao	IOT BASED REAL-TIME FACE RECOGNITION AND WEAPON DETECTION DOOR LOCK SYSTEM USING NEURAL NETWORK	International Journal of Creative Research Thoughts (IJCRT)	8 & 3	2020	2320-2882 / 2320-2882
18	Khadke Yuvraj Suresh	Automatic Seat belt Integrated Parking in a Car	International Journal of Advanced Research in Science, Communication and Technology	7 & 6	2021	2581-9429 / 2581-9429
19	Khadke Yuvraj Suresh	Design of Fixture to Reduce Loading Time on VMC Machine	International Journal of Advanced Research in Science, Communication and Technology	Volume 6 & 6	2021	2581-9429 / 2581-9429
20	Khadke Yuvraj Suresh	Analysis of Vehicle Crash Box to Improve Passengers Safety with Shape and Material Optimization	International Journal of Advances in Engineering and Management (IJAEM)	3 & 7	2021	2395-5252 / 2395-5252
21	Somwanshi Amit Jaywantrao	SPORK PRODUCT DESIGN, ANALYSIS & IT'S MOULD DESIGN USING CAD/CAE TECHNOLOGY	IJAERD	07 & 7	2020	2348-4470 / 2348-6406
22	Bachhav Satish Suresh	Design & Development of Automatic Washroom Cleaning System	International Journal of Innovative Research in Science, Engineering and Technology	10 & 3	2021	000000 / 2319-8753,
23	Bachhav Satish Suresh	Design & Fabrication of Sugarcane Bud Chipper Machine	IJARIE	7 & 6	2021	000000 / 2395-4396
24	Ghuge Nilesh Chandrabhan	An Experimental Investigation on Vegetable Oils as a Cutting Fluid under Minimum Quantity Lubrication: A Sustainable Machining Approach	Journal of University of Shanghai for Science and Technology	23 & 5	2021	1007-6735 / 1007-6735



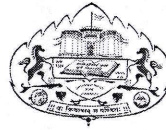


AR2104902

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

25	Ghughe Nilesh Chandrabhan	An Experimental Investigation on Vegetable Oils as a Cutting Fluid under Minimum Quantity Lubrication: A Sustainable Machining Approach	Journal of University of Shanghai for Science and Technology	23 & 5	2021	1007-6735 / 1007-6735
26	Ghughe Nilesh Chandrabhan	A Comprehensive Review on Karanja Oil as an Alternative Fuel for Diesel Engine	Journal of University of Shanghai for Science and Technology	23 & 5	2021	1007-6735 / 1007-6735
27	Ghughe Nilesh Chandrabhan	Minimum Quantity Lubrication-Alternative to Flood Cutting and Dry Cutting	International Journal of Scientific Research in Science and Technology	8 & 7	2021	2395-6011, / 2395-6011
28	Ghughe Nilesh Chandrabhan	Design & Investigation of Double Pipe Heat Exchanger with heat Transfer Enhancement using FDM Delta-Channel Winglet Inserts	Journal of Advanced Research in Electrical Engineering and Technology	4 & 1013	2020	0 / 0
29	Ghughe Nilesh Chandrabhan	Impact of Magntic Field on Presentation of Refrigerator: A Review	Journal of Advanced Research in Electrical Engineering and Technology	4 & 7	2020	0 / 0
30	Ghughe Nilesh Chandrabhan	Design & Investigation of Double Pipe Heat Exchanger with heat Transfer Enhancement using FDM Delta-Channel Winglet Inserts	4	1 & 4	2020	e-ISSN: 2395-0056 / e-ISSN: 2395-0056
31	Ghughe Nilesh Chandrabhan	Impact of Magntic Field on Presentation of Refrigerator: A Review	Journal of Advanced Research in Electrical Engineering and Technology	4 & 3	2020	ISSN (Online): 2581-5792 / ISSN (Online): 2581-5792
32	Pawar Sangita Vilas	Intuitionistic fuzzy approach in Multiobjective optimization for KRBMC irrigation system, India	ISH Journal of hydraulic engineering	6 & 1	2020	1 / 1
33	Chopade Jayant Janardan	Evaluation of Wavelet based filter algorithms to improve the performance of Hearing with simulated hearing loss	International Journal of Engineering Research and Applications	10 & 11	2020	2248-9622 / 2248-9622



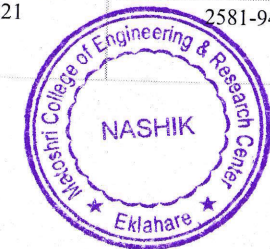


Savitribai Phule Pune University
Annual Report Information 2020-2021
Planning and Development



AR2104902

34	Chopade Jayant Janardan	Saw-Tooth Shaped Sequentially Rotated Fractal Boundary Square Microstrip Patch Antenna for Wireless Application	Progress in Electromagnetics Research Letters	94 & 16	2020	10.2528 / 10.2528
35	Ahire Dnyaneshwar Dadaji	Notch To Radiating Edge With Novel Loading Of Capacitance To Wideband Microstrip Patch Antenna	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	9 & 5	2020	Maharashtra / 2277-8616
36	Ahire Dnyaneshwar Dadaji	Evaluation of Wavelet based filter algorithms to improve the performance of Hearing with simulated hearing loss	International Journal of Engineering Research and Applications	10 & 10	2020	Maharashtra / 2248-9622
37	Ahire Dnyaneshwar Dadaji	PROTECTION OF CROPS FROM INSECTS USING MICROWAVE FREQUENCY: A REVIEW	International Journal of Advance Research and Innovative Ideas in Education	7 & 3	2021	Maharashtra / 2395-4396
38	Ahire Dnyaneshwar Dadaji	VOICE OPERATED SERVICE ROBOT	International Journal of Advance Research and Innovative Ideas in Education	7 & 4	2021	Maharashtra / 2395-4396
39	Gawande Ranjit Madhukar	Classification of Colorectal Cancer based on Multidimensional Features and CNN Model	IJARCCCE	10 & 137	2021	2319-5940 / 2319-5940
40	Gawande Ranjit Madhukar	Heart Attack Prediction System	IJARCCCE	9 & 98	2020	2319-5940 / 2319-5940
41	Patil Roshan Santosh	High Pressure Die Casting Cold Chamber Process	IJARST	6 & 10	2021	2581-9429 / 2581-9429
42	Patil Roshan Santosh	Comparison of the Performance of Refrigerant Fluids in Single Stage Vapour Compression Refrigeration System By Using Coolpack Software	IJARST	6 & 8	2021	2581-9429 / 2581-9429
43	Thakare Shrikant Balasaheb	Design and Development of Pneumatic Bumper	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	6 & 6	2021	2581-9429 / 2581-9429

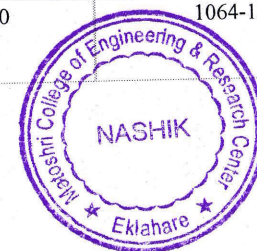




AR2104902

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

44	Thakare Shrikant Balasaheb	An implementation on Design & Development of Tuber Root Cleaning Machine	International Journal of Advance Research and Innovative Ideas in Education	7 & 4	2021	2395-4396 / 2395 4396
45	Kamde Lokesh Ganpat	Solar Powered Intelligent IOT Based Car Cabin Cooling System	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Volume 6, & 8	2021	2581-9429 / 2581-9429
46	Kamde Lokesh Ganpat	The study of installation and commissioning of solar dual pump	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Volume 6, & 6	2021	2581-9429 / 2581-9429
47	Kamde Lokesh Ganpat	Design and development of pneumatic operated fixture for spot gun	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Volume 7, & 8	2021	2581-9429 / 2581-9429
48	Dholi Poonam Rangnath	A Review on Detection of Phishing Attacks on Websites Using Deep Learning	International Journal of Innovative Research in Computer and Communication Engineering JIRCCE	9 & 4	2021	- / 2320-9801
49	Dholi Poonam Rangnath	Detection of Website Phishing Attack Based on Deep Learning	International Advanced Research Journal in Science, Engineering and Technology	8 & 9	2021	- / 2393-8021
50	Bhavsar Swati Krishna	An efficient author information retrieval tool for bibliographic record analysis	Journal of Intelligent & Fuzzy Systems	39 & 13	2020	1064-1246 / 1064-1246
51	Khule Rupali Shridhar	Review on Automated Elevator-an Attentive Elevator to Elevate using Speech Recognition	Journal of Advanced Research in Power Electronics and Power Systems	8 & 6	2021	- / -
52	Khule Ruapli Shridhar	Online Printing Order Management Systems	Journal of Advanced Research in Power Electronics and Power Systems	8 & 3	2021	- / -
53	Khule Rupali Shridhar	Analysis of Voltage Controlled Oscillator with 32nm MOSFET, DG-FinFET and CNFET	Journal of Advanced Research in Microelectronics and VLSI	3 & 6	2020	- / -
54	Khule Rupali Shridhar	Impact of Interconnect Variation on Ultra Low Power Clock System	Journal of Advanced Research in Power Electronics and Power Systems	8 & 9	2021	- / -
55	Patil Varsha Hemant	An efficient author information retrieval tool for bibliographic record analysis	Journal of Intelligent & Fuzzy Systems	39 & 13	2020	1064-1246 / 1064-1246

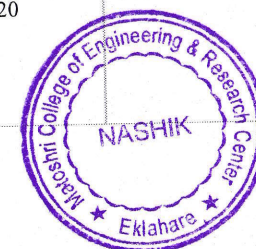




AR2104902

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

56	Sonawane Sanjay ,Thore Kishor ,Taralkar Kartik ,Tathe Sanket ,Sonawane Pratik Kiran	Design and Fabrication of Over Steer Prevention and Stability Control System in Automobile	IJARST	6 & 7	2021	- / 2581-9429
57	Sonawane Pratik Kiran	Design and Numerical Analysis of Steering Knuckle for ATV	IJARIE	7 & 6	2021	- / 2395-4396
58	Sonawane Pratik Kiran	Design and Development of Vertical Lifting Bridge	IJARIE	7 & 8	2021	- / 2395-4396
59	Panwar Vikas Singh	V-REP Based Navigation of Automated Wheeled Robot between Obstacles Using PSO-Tuned Feedforward Neural Network	Journal of Computational Design and Engineering	07 & 8	2020	2288-4300 / 2288-4300
60	Kshatriya Rahul Rajendra	Experimental Analysis of Lime Stabilized Clayey Subgrade Soil Reinforced With Polypropylene Fiber	International journal of Advances in Engineering and Management (IJAEM)	2 & 7	2020	2395-5252 / 2395-5252
61	Kshatriya Rahul Rajendra	Analysis of Retaining wall on Black Cotton soil by using PLAXIS 2D	Journal of Geotechnical Studies	5 & 9	2020	2581-9763 / 2581-9763
62	Kapade Tushar Tarachand	EXPERIMENTAL ANALYSIS OF REFRIGERATION EJECTOR SYSTEM BY USING DIFFERENT ORGANIC REFRIGERANTS	INTERNATIONLA JOURNAL FOR RESERACH IS APPLIED SCIENCE & ENGINEERING TECHNOLOGY (IJRASET)	9 & 10	2021	2321-9653 / 2321-9653
63	Kapade Tushar Tarachand	ANALYSIS OF TUBE IN TUBE HEAT EXCHANGER FITTED WITH TWISTED TAPE WITH SQAURE CUT	INTERNATIONAL JOURNAL OF ADAVNCD RESEARCH IN SCIENCE, COMMUNICATION AND TECHNOLOGY (IJARSCT)	6 & 14	2021	2581-9423 / 2581-9429
64	Sonawane Pratap Ramesh	Hybrid Nanomaterials focused on green cutting fluids	Materials Today Proceedings	4	2020	2214-7853 / 2214-7853
65	Dighe Devidas Dnyaneshwar	Super Resolution Based an Adaptive Two Pass Normalized Convolution Using Multiple Low Resolution Images	International Conference on Recent Advances in Computational Techniques (IC-RACT) 2020	7	2020	NA / NA



8/6/2021 4:25 PM



AR2104902

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

66	Shriwastava Rakesh Ghanshyamlal	Voltage flicker in EAF using P-Q power compensation through STATCOM	Springer Procedia(2021).	10	2021	2454-7301 / 2454-4930
----	------------------------------------	---	--------------------------	----	------	-----------------------

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
NA	NA	NA	NA	NA	NA	NA	NA

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

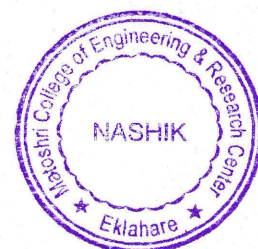
Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	- 18	8	1

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	NA	NA	NA	NA

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

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





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

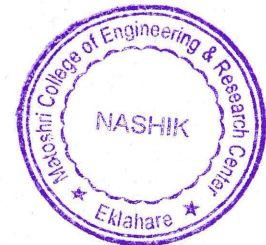


AR2104902

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	22	9	8	0	0	1	3	16	29	1	0	89
	MALE	46	11	6	2	0	7	4	13	55	0	0	144
TOTAL		68	20	14	2	0	8	7	29	84	1	0	233

13. Statistical Information about Teacher for Academic Year (2020-2021)							
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(C)	0	1	1	3	0	3
2	NT(D)	1	0	1	3	0	3
3	OBC	5	1	6	14	6	20
4	OPEN	4	4	8	17	9	26
5	SBC	0	0	0	1	0	1
6	SC	1	1	2	3	1	4
Date :	ST	0	0	0	0	1	1
Place :	Total	11	7	18	41	17	58

Signature
HOD/Principal/Director



[Signature]
PRINCIPAL
Matoshri College of Engineering
& Research Center, Eklahare,
Nashik - 422 105.

8/6/2021 4:25 PM