



AR2104635

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

College Details

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|-----------|---|---|---|-----------|---|---|--|
| 1. | Name Of the Department/College/Institute | : | Maharashtra Academy Of Engineering And Educational Research MIT Academy of Engineering Addr: Devu Phata Alandi Devachi Pune Ta: Khed Dist: Pune | 2. | Address Of the Department/College/Institute | : | Devu Phata Alandi Devachi Pune Ta: Khed Dist: Pune Pincode: 412105 |
| 3. | Name Of the Head/Principal/Director | : | Mahesh Devendragouda Goudar | 4. | Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address | : | Tele.- 02030253500 Email- principal@maepune.ac.in URL- www.mitaoe.ac.in |

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 | Kulkarni Smita Sunil | A Survey on Human Group Activity Recognition by Analysing Person Action from Video Sequences Using Machine Learning Techniques. | Springer | 2020 | 978-981-15-0994-0 / |
| 2 | Kamble Avinash Gulabrao | Parametric Optimization of Gas Tungsten Arc Welding Using AHP-Based Taguchi Method | Springer Singapore | 2021 | 2564 / 5663 |
| 3 | Kamble Avinash Gulabrao | Optimization of Design Problems Using TLBO and mTLBO Algorithms | Springer Singapore | 2021 | 2413 / 4782 |
| 4 | Kamble Avinash Gulabrao | GSM-Based Operation System for Agricultural Pumps | Springer Singapore | 2021 | 5632 / 2364 |
| 5 | Sardare Mamta Deoraoji | Experimental Modeling and Evacuation of Cr(VI) from Wastewater by Using Nanostructured Ceria | Springer Nature Singapore Pte Ltd. | 2020 | 978-981-15-6462-8 / 2366-2557 |
| 6 | Kothmire Pramod Papat | CFD Investigation on Fluid Flow Analysis in Fluid Separator | © Springer Nature Switzerland AG 2020 | 2020 | 978-3-030-16961-9 / 978-3-030-16961-9 |
| 7 | Borse Rushikesh Prakash | Deep Learning-Based Paperless Attendance Monitoring System | Springer | 2021 | 978-981-15-8391-9 / Print ISBN 978-981-15-8390-2 |
| 8 | Borse Rushikesh Prakash | Image Analytics to Detect Cigarette in an Image Using Deep Learning | Springer | 2021 | 978-981-15-8391-9 / Print ISBN 978-981-15-8390-2 |
| 9 | Borse Rushikesh Prakash | Age and Gender Classification Based on Deep Learning | Springer | 2021 | Print ISBN 978-3-030-69920-8 / 978-3-030-69921-5 |



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|----|--|---|--------------------------|------|--|
| 10 | Bhutkar Ganesh ,Kurniawan Yohannes ,Johan . ,Bhole Dhananjay ,Salve Shrikant ,Kamaruddin Azrina ,Jadhav Dhiraj ,Jadhav Sumit | Designing ICT Applications for Hearing-Impaired People in Asia | ACM | 2020 | 978-1-4503-8829-0/20/10 / - |
| 11 | Salve Shrikant Vitthal | Can Dynamic Widgets Improve DataEntry Efficiency? | Springer | 2021 | - / - |
| 12 | Gaikwad Jyotsna ,Verma Usha | Digital Image Watermarking by Fusion of Wavelet and Curvelet Transform | Springer | 2021 | 978-981-15-8391-9 / 978-981-15-8391-9 |
| 13 | Wakale Aishwarya ,Verma Usha | Brain Activity Analysis for Stress Recognition | Springer | 2021 | 978-981-15-8391-9 / 978-981-15-8391-9 |
| 14 | Shete Mahendra Dattatraya | Teaching Vocabulary: Problems and Remedies | Lang-Lit International p | 2020 | ISSN 2349-5189 / ISSN 2349-5189 |
| 15 | Ganjewar Pramod Dattatraya | Energy-Efficient Cluster Head Selection for Manufacturing Processes Using Modified Honeybee Mating Optimization in Wireless Sensor Networks | CRC Press | 2020 | 9781003081166 / 9781003081166 |
| 16 | Adhikari Debashis - | Automated Robot Communication System Using Swarm Intelligence. | Springer | 2020 | ISBN 978-3-030-34515-0 / 978-3-030-34515-0 |
| 17 | Adhikari Debashis - | Use of Artificial Neural Network for Abnormality Detection in Medical Images | Springer | 2020 | 978-981-15-0994-0 / 978-981-15-0994-0 |
| 18 | Adhikari Debashis - | A Survey on Human Group Activity Recognition by Analysing Person Action from Video Sequences Using Machine Learning Techniques | Springer | 2020 | 978-981-15-0994-0 / 978-981-15-0994-0 |

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| 6. | No.of Conference, Symposia, Seminars,Workshops etc. Organized (2020-2021) | | |
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| Sr. No. | No. of State Level | No. of National Level | No. of International Level |
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| 1 | 30 | 7 | 1 |



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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 | Panchal Dilip Bharat | Dynamometer Setup for Motor Testing at Initial Research Stage: Studying Basic Parameters for Design and Development | International Research Journal of Engineering and Technology (IRJET) | 7 & 3 | 2020 | Other / 23950056 |
| 2 | Panchal Dilip Bharat | Design and Optimisation of a Slat Conveyor for Airport Application | International Journal of Engineering and Advanced Technology | 10 & 9 | 2020 | Other / 2249-8958 |
| 3 | Magade Sushilkumar Budhanand | Comparison of moments for pile cap design | Soil Mechanics and Foundation Engineering | 56 & 6 | 2020 | 0000 / 0038-0741 |
| 4 | Magade Sushilkumar Budhanand | Effect of Clear Edge Distance on Failure of Pile Cap | ACI Structural Journal | 117 & 10 | 2020 | 0000 / 0889-3241 |
| 5 | Verma Usha Yogesh | Security Analysis of Medical Images using ECC over RSA | Journal of University of Shanghai for Science and Technology | 23 & 12 | 2021 | 1007-6735 / 1007-6735 |
| 6 | Patil Sumit Ravindra | Use of super absorbent polymer in concrete as an internal curing agent | PCCOE&R UGCON Civil | 1 & 6 | 2020 | Maharashtra / 1-937647-4-9 |
| 7 | Daphal Swapnil Dadabhau | Identification of sugarcane foliar diseases: Methods and datasets | International Journal of Engineering and Advanced Technology | 9 & 6 | 2020 | 2249-8958 / 2249-8958 (Online) |
| 8 | Jain Shitalkumar Arvind | Multi-tiered Decentralized Logical Network for Secure File Sharing | International Journal of Future Generation Communication and Networking | 13 & 14 | 2020 | 2233-7857 / 2233-7857 |
| 9 | Jain Shitalkumar Arvind | Facial Keypoints Detection Using CNN And Autoencoder | International Journal of Future Generation Communication and Networking | 13 & 12 | 2020 | 2233-7857 / 2233-7857 |
| 10 | Wangikar Vaishali Chandrakant | A Semi-Automated Record De-Duplication Technique for a Data Warehouse Environment | International Journal of Innovative Technology and Exploring Engineering (IJITEE) | 9 & 10 | 2020 | Maharashtra / ISSN: 2278-3075 |
| 11 | Bora Shilpi - | Game analysis on prefabricated building evolution based on dynamic revenue risks in China | Journal of Cleaner Production | 267 & 121730 | 2020 | ASSAM / 0959-6526 |



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|----|--|---|---|--------|------|--|
| 12 | Shewale Sandeep P,Gode Amravati ,Salunkhe Pratibha ,Bhojar Priya | Application of Nanotechnology to the Extraction of Herbal Components for Medicinal Uses | Current Nanomaterials | 5 & 4 | 2020 | 2405-4623 / 2405-4615 |
| 13 | Shewale Sandeep P,Rathod Virendra K,Jadhav Sachin V | Hydrodynamic optimization to control membrane fouling in glycyrrhizic acid (GA) recovery from licorice root extract , | Indian Chemical Journal | . & 0 | 2020 | . / . |
| 14 | Shewale Sandeep Pandurang | Nano Science-Process Intensification for the Extraction of Phenolic Compound from a Natural Source with Stirred Batch Extraction Techniques | Current Nanomaterials | 6 & 5 | 2021 | . / . |
| 15 | Malge Abhijeet Manikrao | Numerical Analysis of Innovative Wind Booster Configurations for Vertical Axis Wind Turbines | International Journal of Recent Technology and Engineering | 9 & 4 | 2020 | 2277-3878 / 2277-3878 |
| 16 | Malge Abhijeet Manikrao | Wind tunnel and numerical study of multi-storey vertical axis wind turbines with different configurations | Journal of Engineering, Design and Technology ISSN: 1726-0531 Article publication date: 5 March 2021 Reprints & Permissions | 20 & 5 | 2021 | 00 / 1726-0531 |
| 17 | Maske Yogesh Laxmanrao | Design, Testing and Simulation of Cost Effective Laser Engraving Machine | International Journal of Interdisciplinary Innovative Research &Development (IJIIRD) | 5 & 4 | 2020 | NA / 2456-236X |
| 18 | Maske Yogesh Laxmanrao | Design of Lower Limb Exoskeleton using Gearbox for Rehabilitation of Paralyzed Patients | International Journal of Engineering and Advanced Technology (IJEAT) | 9 & 4 | 2020 | NA / 2249 – 8958 |
| 19 | Kale Shubhangi Prabhakar | Identification of Premature Ventricular Contraction (PVC) Based on ECG Using Convolutional Neural Network | International Journal of Recent Technology and Engineering (IJRTE) | 9 & 5 | 2020 | A2804059120/2020©BEIESP / ISSN: 2277-3878, |
| 20 | Ghuse Diptee Someshwar | Handwriting Recognition using KNN and SVM | Hybrid Intelligent Systems (pp.319-327) | 1 & 8 | 2020 | DOI:10.1007/978-3-030-49336-3_32, / 1 |



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|----|---------------------------|--|---|---------|------|--|
| 21 | Gajbhiv Satish Gulab | Pseudo Differential Operators and Gevrey Spaces | Asian-European Journal of Mathematics, World Scientific | 13 & 23 | 2020 | - / 1793-7183 |
| 22 | Sardar Nikhil Bhaskar | Smart Energy Monitoring using ARM Cortex | A Journal of Physics Science, Engineering and Technology | 12 & 5 | 2020 | 2454-5767 / 2229-7111 |
| 23 | Shete Mahendra Dattatraya | Enhancing Speaking Skills in English: Challenges and Solutions | Langlit | 07 & 11 | 2021 | NA / 2349-5189 |
| 24 | Kalos Pritam Suryaprakash | Improved Detection Of Fault Diagnosis In High Voltage Transmission Lines Using Thermal Imaging Based Convolutional Neural Network Module | SOLID STATE TECHNOLOGY | 63 & 15 | 2020 | na / 0038-111X |
| 25 | Kalos Pritam Suryaprakash | HEAT TRANSFER IN A CIRCULAR TUBE FITTED WITH THE PLUS SHAPE TURBULATOR | International Journal of Advanced Research in Engineering and Technology | 12 & 9 | 2021 | NA / 0976-6480 |
| 26 | Kalos Pritam Suryaprakash | Thermal performance of plus shape divider type turbulator with different inclination angles | MATRERIALS TODAY PROCEEDINGS | NA & 7 | 2021 | NA / https://doi.org/10.1016/j.matpr.2021.05.409 |
| 27 | Nagarale Amit Vijay | IPL CRICKET SCORE AND WINNING PREDICTION USING MACHINE LEARNING TECHNIQUES | International Research Journal Of Modernization In Engineering Technology And Science | 3 & 4 | 2021 | - / 2582-5208 |
| 28 | Nagarale Amit Vijay | COMPETITIVE ANALYSIS FOR CREDIT RISK ASSESSMENT USING MACHINE LEARNING TECHNIQUES | International Research Journal Of Modernization In Engineering Technology And Science | 3 & 4 | 2021 | - / 2582-5208 |
| 29 | Patil Mayurkumar Prakash | Kinetics of Carbon Dioxide Removal Using N-Acetylglucosamine | ACS Omega | 42 & 6 | 2020 | 0 / 0 |
| 30 | PATIL MAYURKUMAR PRAKASH | New AMP/polyamine blends for improved CO2 capture: Study of kinetic and equilibrium features | The Candian Journal of Chemical Engineering | 98 & 10 | 2020 | 0 / 0 |



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| 31 | Bhosale Vishal Ashok | Analyzing the Interrelationship among Supply Chain Knowledge Flow Barriers: A DEISMI approach | Journal of Information and Knowledge Management | 19 & 28 | 2020 | 1793-6926 / 1793-6926 |
| 32 | Bhosale Vishal Ashok | An Investigation of Knowledge Flow Barriers within Supply Chain | International Journal of Disaster Recovery and Business Continuity | 11 & 13 | 2020 | 2207-8363 / 2207-8363 |
| 33 | Bhosale Vishal Ashok | Impact of knowledge flows on supply chain performance: an experiment on four Indian luggage manufacturing firms | International Journal of Information and Decision Sciences | 12 & 29 | 2020 | 1756-7017 / 1756-7017 |
| 34 | Mahapatra Kavikant | Dynamic Response and Vibration Power flow in Rectangular isotropic Plate using Fourier series Approximation and Mobility Approach | Journal of Vibration Engineering and Technologies | 8 & 15 | 2020 | 0 / 2523-3939 |
| 35 | Mahapatra Kavikant | In-Plane Vibration Characteristics of Isotropic Plate with Elastic Edge Restraints | International Journal of Structural Engineering | 10 & 19 | 2020 | 0 / 1758-7328 |
| 36 | Ganjewar Pramod Dattatraya | DENSITY BASED TRAFFIC MANAGEMENT SYSTEM USING IOT | Strad Research | 8 & 8 | 2021 | 0039-2049 / 0039-2049 |
| 37 | Bhore Pooja ,Gaikwad Shrustri ,Nagare Kirti ,Ranjana Prabha | SOCIAL DISTANCING DETECTOR USING IOT | Strad Research | 8 & 12 | 2021 | 0039-2049 / 0039-2049 |
| 38 | Ganjewar Pramod Dattatraya | Detection of Helmet of Bike Riders | Strad Research | 8 & 8 | 2021 | 0039-2049 / 0039-2049 |
| 39 | Ganjewar Pramod Dattatraya | Startup Idea Validation Using Machine Learning | International Journal of Engineering and Advanced Technology | 9 & 4 | 2020 | 2249 – 895 / 2249 – 895 |
| 40 | Shastri Renu Kiran | Sustainable electrical discharge machining of nimonic C263 superalloy | AJSE | -- & 21 | 2021 | Maharashtra / -- |



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| 41 | Joshi Mahesh Prakash | STUDY OF THERMAL PERFORMANCE OF AN INNOVATIVE CURTAIN-WALL-INTEGRATED SOLAR HEATER WITH NANOFLUID | International Journal of Mechanical and Production Engineering Research and Development | 10 & 13 | 2020 | 2249-8001 / 2249-8001 |
| 42 | Goudar Rajeshwari Mahesh | Prediction of Heart Disease Using Hybrid Approach and Ensemble Learning | UGC care journal- Studies in Indian Place Names | 40 & 6 | 2020 | - / 2394-3114 |
| 43 | Gadhve Pruthviraj ,Sasane Rajesh ,Wagh Gopal ,Bhatt Nisargendu ,Sutar Parag | Electricity Generation from Dairy Farm Wastes In a Dual-Chamber Microbial Fuel Cell Using Aluminium Electrodes | International Journal of Recent Technology and Engineering | 8 & 3445 | 2020 | 2277-3878 / 2277-3878 |
| 44 | Sakhare Dipti Yashodhan | 'Design of Lower Limb Exoskeleton | Lecture Notes in Networks and Systems | 2 & 9 | 2020 | Maharashtra / 2367-3389 |
| 45 | Gode Amravati Amol | Application of Nanotechnology to the Extraction of Herbal Components for Medicinal Uses | Current Nanomaterials | 5 & 4 | 2020 | 2405-4623 (Online) / 2405-4615 (Print) |
| 46 | Chandore Ashwin Subhashrao | Design And Analysis Of 9 Speed Gearbox | International Journal of Scientific and Research Publications | Volume 10 & 7 | 2020 | NA / 250-3153 |
| 47 | Chandore Ashwin Subhashrao,Kale Vaibhav G,Giri Dattatray A,Parde Ishwar R | Modelling and Development of Flexible Blade Windmill | International Journal of Scientific and Research Publications | Volume 10 & 5 | 2020 | NA / 2250-3153 |
| 48 | Barewar Surendra Deochand | Heat Transfer Enhancement in Pool Boiling using Novel Ag/ZnO Hybrid Nanofluids | Journal of thermal analysis and calorimetry | 142 & 13 | 2020 | - / 1588-2926 |
| 49 | Barewar Surendra Deochand | Heat transfer characteristics and boiling heat transfer performance of novel Ag/ZnO hybrid nanofluid using free jet impingement | Experimental heat transfer | - & 10 | 2021 | - / 0891-6152 |
| 50 | Ambardekar Vibhav Shriram | Plasma sprayed copper oxide sensor for selective sensing of carbon monoxide | Materials Chemistry and Physics | 258 & 123966 | 2021 | NA / 0254-0584 |



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|----|--------------------------------|--|---|--------|------|-------------------------|
| 51 | Kamble Avinash Gulabrao | Investigation on effects of parameters of GMAW process on bead geometry, hardness and microstructure of AISI 410 steel weldments | Advances in Materials and Processing Technologies | 6 & 15 | 2021 | 2256 / 1152 |
| 52 | Kamble Avinash Gulabrao | Prediction and optimization of process parameters of CNC machine on carbide inserts | REST Journal on Emerging trends in Modelling and Manufacturing | 6 & 6 | 2020 | 4385-4676 / 2455-4537 |
| 53 | Kolhe Amol Madhukar | Design Analysis and Optimization of 3 Stage Evaporator | Alochana Chakra | IX & 6 | 2020 | 2231-3990 / 2231-3990 |
| 54 | Kolhe Amol Madhukar | Design, Analysis and Optimization of Bucket Elevator | Alochana Chakra | IX & 8 | 2020 | 3328-3333 / 3328-3333 |
| 55 | Asalekar Amol Jagannath | Design of grass weeder and fertilizer sower | ASL Journal | 26 & 8 | 2020 | NA / E-ISSN:1936-7317 |
| 56 | Asalekar Amol Jagannath | Design and Analysis of transporting mechanism used in Small scale industries instead of conveyors | ASL Journal | 26 & 7 | 2020 | NA / E-ISSN:1936-7317 |
| 57 | Kulkarni Venugopal Purnapradny | Productivity Optimization in a Shopping Complex using Industrial Engineering and Facility Layout Planning Tools | International Journal of Innovative Technology and Exploring Engineering (IJITEE) | 9 & 5 | 2020 | - / 2278-3075, |
| 58 | Dholkawala Murtuza Shabbirbhai | Heat Enhancement in Mini Channel Heat Exchanger using Software Analysis Method | International Journal of Engineering Research and Applications | 10 & 7 | 2020 | NA / 2248-9622 |
| 59 | Dholkawala Murtuza Shabbirbhai | Design and Analysis of Inclined Belt Conveyor System for Coal Loading for Weight Reduction | International Journal of Recent Technology and Engineering | 9 & 5 | 2020 | MAHARASHTRA / 2277-3878 |
| 60 | Patil Rahul Kumar | Design of Automatic drainage system and its CFD Analysis | Advance science letter | 26 & 6 | 2020 | 1936-7317 / 1936-7317 |



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|----|-------------------------------|--|---|-------------|------|-----------------------|
| 61 | Patil Rahul Kumar | Design and Analysis of transporting mechanism used in Small scale industries instead of conveyors | Advance Sciencee letter | 26 & 109115 | 2020 | 1936-7317 / 1936-7317 |
| 62 | Powar Sudesh Bajirao | Design and Analysis of double-stacked Heat Exchanger for Brewery Application | International Journal of Recent Technology and Engineering | 9 & 6 | 2020 | 2277-3878 / 2277-3878 |
| 63 | Chandgude Abhimanyu Kisan | Manufacturing and Optimization of Process Parameters by using Abrasive Water Jet Machining of Carbon Fibre Reinforced Polymer Composite | International Journal of Recent Technology and Engineering | 10 & 7 | 2020 | NA / 2277-3878 |
| 64 | Chandgude Abhimanyu Kisan | Experimental Investigation and Optimization of SI engine using Methanol blends as a fuel | Journal of Emerging Technology and Innovative Research | 7 & 4 | 2020 | NA / 2349-5162 |
| 65 | Chandgude Abhimanyu Kisan | Effect of Delamination in Carbon Fibre Reinforced Polymer during Abrasive Water Jet Machining | International Journal of Recent Technology and Engineering | 9 & 7 | 2020 | NA / 2277-3878 |
| 66 | Chandgude Abhimanyu Kisan | EXPERIMENTAL INVESTIGATION, OPTIMIZATION AND MODELING OF CARBON FIBRE GRAPHITE/EPOXY LAMINATES WITH THE HELP OF ABRASIVE WATER JET MACHINE | International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) | 10 & 10 | 2020 | NA / 2249-6890 |
| 67 | Shiravale Sandeep Chandrakant | Online Transaction Fraud detection using Backlogging on E-commerce web site | ICCMC 2020 | 4 | 2020 | 9781728148892 / |
| 68 | Shiravale Sandeep Chandrakant | pROTECTING dATA pRIVACY FOR pERMSSIONED BLOCKCHAIN USING IDENTITY BASED ENCRYPTION | ICCMC 2020 | 4 | 2020 | 9781728148892 / |



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| 69 | Khandekar Shridhar Atmaram | SLAM using AD* Algorithm with Absolute Odometry | 6th International Conference for Convergence in Technology | 325 | 2020 | 978-1-7281-8876-8 / |
| 70 | Chavan Ashitosh Dilip | State and Disturbance Observer for Robust Motion Control | International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT) 2019 | 5 | 2020 | 978-1-7281-0630-4 / |
| 71 | Chavan Ashitosh Dilip | Disturbance Rejection in Motion Control based on Equivalent Input Disturbance Approach with Experimental Validation | International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT) 2019 | 5 | 2020 | 978-1-7281-0630-4 / |
| 72 | Kamble Avinash Gulabrao | Experimental Investigation of inclined circular ring turbulators on heat transfer and fluid flow characteristic | 3rd International Congress on Advances in Mechanical Sciences | 15 | 2020 | 5563 / 2545 |
| 73 | Kamble Avinash Gulabrao | Comparative study of optimization of plate fin heat exchanger and pressure vessel design using mTLBO algorithm | International Conference on Integrated Interdisciplinary Innovations in Engineering | 15 | 2021 | 5689 / 2563 |
| 74 | Katkar Vaishali Abhijeet | conference | Industry Scrap segregation using PLC | 6 | 2020 | 978-1-7281-4042-1 / 978-1-7281-4042-1 |
| 75 | Muthekar Vijay V. | Application of Light Interference Technique for Locating Groundwater Veins | International conference on Sustainable Innovations in Civil and Mechanical Engineering | 9 | 2020 | 1757-899X / |
| 76 | LOKHANDE PRANALI P | Survey-Iris Recognition Using Machine Learning Technique | 2nd International Conference on Intelligent Data Communication Technologie and Internet of things (ICICI-2019) | 6 | 2020 | 9:978-3-030-34079-7 / |
| 77 | Borse Rushikesh Prakash | Traffic Monitoring and Analysis At Toll Plaza | IEEE International IOT, Electronics and Mechatronics Conference (IEMTRONICS) | 6 | 2021 | 978-1-6654-1160-8 / Electronic ISBN:978-1-6654-4067-7 |
| 78 | Nagre Sandeep Shivajirao | Real-Time Cloud based Weather Monitoring System | 2nd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA) | 4 | 2020 | 978-1-7281-4167-1 / 19556844 |
| 79 | Nimbhore Padma Poonamchand | Survey-Iris Recognition Using Machine Learning Technique | ICICI-19 | 214 | 2020 | 978-3-030-34080-3_24 / |
| 80 | Choudhary Pankaj Purshottam | Short Answer Type Discussion Forum Analysis and Assessment | International Conference for Emerging Technology (INCET) Belgaum, India. | 3 | 2020 | 978-1-7281-6221-8 / |



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| 81 | Bhute Avinash Narayanrao | The Safety Management System Using Q-Learning Algorithm in IoT Environment | proceeding 2021 -IEEE 7th International Conference on Advanced Computing and Communication Systems (ICACCS) | 1024 | 2021 | 978-1-6654-0521-8 / 2575-7288 |
| 82 | Bhute Avinash Narayanrao | Functional Electrical Stimulation for Hand Movement of Person | Proceedings of International Conference on Machine Intelligence and Data Science Applications | 15 | 2021 | 978-981-33-4087-9 / 978-981-33-4086-2 |
| 83 | Verma Usha Yogesh | Performance Analysis of Video Magnification Methods | 2020 Third International Conference on Smart Systems and Inventive Technology (ICSSIT) | 9 | 2020 | 978-1-7281-5821-1 / |
| 84 | Patil Sumit Ravindra | Use of super absorbent polymer in concrete as an internal curing agent | PCCOE&R UGCON Civil | 2 | 2020 | NA / ISSN 1-937647-4-9 |
| 85 | Jain Shitalkumar Arvind | The Safety Management System Using Q-Learning Algorithm in IoT Environment | 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS) | 5 | 2021 | 978-1-6654-0521-8 / 2575-7288 |
| 86 | Wangikar Vaishali Chandrakant | Apriori Algorithm for Dynamic Parameter Selection and Pruning of Misleading Rules | Fifth International Conference on Smart Trends in Computing and Communications (SmartCom 2021) | 10 | 2021 | 978-981-16-4016-2 / |
| 87 | Wangikar Vaishali Chandrakant | Exploring Research Pathways in Record Deduplication and Record Linkage | Recent Trends in Image Processing and Pattern Recognition | 12 | 2021 | 978-981-16-0506-2 / 1865-0929 |
| 88 | Kale Shubhangi Prabhakar | Suspicious activity detection using Transfer learning based ResNet tracking from surveillance videos | 12th International Conference on Soft Computing and Pattern Recognition | 12 | 2020 | 978-3-030-73689-7 / 2194-5357 |
| 89 | Kale Shubhangi Prabhakar | Improving Search using Automatic Query Expansion | 2021 Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV) | 5 | 2021 | 978-1-6654-2998-6 / 978-1-6654-2998-6 |
| 90 | Kale Shubhangi Prabhakar | Text Document Clustering Using K-means Algorithm with Dimension Reduction Techniques | Proceedings of the Fifth International Conference on Communication and Electronics Systems (ICCES 2020) | 7 | 2020 | 978-1-7281-5371-1 / 978-1-7281-5371-1 |
| 91 | Bhandare Nilesh Dilip | Review on Heart Disease Classification | 2020 5th International Conference on Communication and Electronics Systems (ICCES) | 1169 | 2020 | 10.1109/ICCES48766.2020.9137880 / 10.1109/ICCES48766.2020.9137880 |



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| 92 | Bhandare Nilesh Dilip | Smart Traffic Dynamic Manipulation System Using Vehicle Density | 5th International Conference on Communication and Electronics Systems (ICCES) | 506 | 2020 | 10.1109/ICCES48766.2020.9137865. / 10.1109/ICCES48766.2020.9137865. |
| 93 | Bansode Nutan Vasant | Automatic Messaging System for Vehicle Tracking and Accident Detection | 2020 International Conference on Electronics and Sustainable Communication Systems (ICESC) | 5 | 2020 | Coimbatore / |
| 94 | Bhosale Vishal A | An Investigation of Knowledge Flow Barriers with in Supply Chain | Proceeding Book of International Conference on Emerging Trends in Engineering and Technology | 1 | 2020 | 978-93-89107-21-0 / 978-93-89107-21-0 |
| 95 | Ganjewar Pramod Dattatraya | Design of Secure Biometric System Using Cancelable Techniques | 2nd Int'l Conference on Data Science, Machine Learning & Applications ,Pune,India | 8 | 2020 | 978-981-334-086-2 / 2524-7565 |
| 96 | Shastri Renu Kiran | Machinability investigation on Nimonic C263 alloy in electric discharge machine | MATERIALS TODAY: PROCEEDINGS | 5 | 2020 | -- / -- |

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 | Savita Pawar | Engineering | SPICES | AICTE | 01/04/2021-31/03/2022 | 100000 | Minor |
| 2 | Bhimagoud Rajendra Patil | Engineering | SPICES | AICTE | 01/04/2021-31/03/2022 | 100000 | 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 | 11 | 40 | 10 |

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 | 20 | 0 | 0 | 0 |



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| 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 | 0 | 1 |

| 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 | 70 | 18 | 0 | 3 | 0 | 2 | 5 | 7 | 51 | 6 | 0 | 162 |
| | MALE | 230 | 54 | 5 | 13 | 0 | 12 | 22 | 12 | 141 | 15 | 0 | 504 |
| TOTAL | | 300 | 72 | 5 | 16 | 0 | 14 | 27 | 19 | 192 | 21 | 0 | 666 |



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| 13. Statistical Information about Teacher for Academic Year (2020-2021) | | | | | | | |
|---|--------------|---------|--------|-------|-------------|--------|-------|
| Sr.No. | Category | Granted | | | Non Granted | | |
| | | Male | Female | Total | Male | Female | Total |
| 1 | DT(A) | 0 | 1 | 1 | 0 | 1 | 1 |
| Date : | NT(B) | 0 | 0 | 0 | 2 | 0 | 2 |
| Place : | NT(D) | 0 | 0 | 0 | 1 | 0 | 1 |
| 4 | OBC | 5 | 5 | 10 | 10 | 1 | 11 |
| 5 | OPEN | 9 | 11 | 20 | 28 | 10 | 38 |
| 6 | SBC | 1 | 0 | 1 | 4 | 0 | 4 |
| 7 | SC | 2 | 3 | 5 | 6 | 1 | 7 |
| | Total | 17 | 20 | 37 | 51 | 13 | 64 |

Signature
HOD/Principal/Director