



“Techno-social Excellence”
Marathwada Mitra Mandal’s
INSTITUTE OF TECHNOLOGY
Lohgaon, Pune-411047

Criterion 3

3.3 Research Publication and Awards

3.3.1 Number of Research Papers Published per Teacher in the Journals Notified on UGC Care List during the Last Five Years

| Sr. No. | Parameter | Academic Year | Number of Research papers |
|---------|-----------------|---------------|---------------------------|
| 1 | Research Papers | 2022-2023 | 18 |
| 2 | | 2021-2022 | 07 |
| 3 | | 2020-2021 | 01 |
| 4 | | 2019-2020 | 12 |
| 5 | | 2018-2019 | 10 |



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Academic Year 2022-2023

| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|----------------|--|-----------------------------|---|-------------|---|
| 1. | Health Monitoring of Milling Tool Inserts Using CNN Architectures Trained by Vibration Spectrograms | Mrs. Sonali S. Patil | Computer Modelling in Engineering and Sciences | 1526-1492 | https://www.techscience.com/journal/CMES |
| 2. | Effects of machining parameters on dry turning operation of Nickel 200 alloy | Dr. Sachin Mutalikdesai | International Journal on Interactive Design and Manufacturing | 1955-2513 | https://www.springer.com/journal/12008 |
| 3. | Spatio–Temporal Attention based Real-Time Environmental Monitoring Systems for Landslide Monitoring and Prediction | Dr. Anjali Joshi | Spatial Information Research | 2366-3294 | https://www.springer.com/journal/41324 |
| 4. | Impact of Variations in Geotechnical Properties of Backfill Material on the Serviceability of Cantilever Earth Retaining Structure: A Case Study | Mr. Atul P. Khatri | European Chemical bulletin | 2063-5346 | https://www.eurchembull.com/ |
| 5. | Fusion-Based Representation Learning Model for Multimode User-Generated Social Network Content | Dr. Anjali Joshi | Journal of Data and Information Quality | 1936-1963 | https://dl.acm.org/journal/jdiq |



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| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|----------------|---|-----------------------------|--|-------------|---|
| 6. | A Secure Storage Management & Auditing Scheme for Cloud Storage | Mr. Subhash G. Rathod | International Journal on Recent and Innovation Trends in Computing and Communication | 2321-8169 | https://ijritcc.org/index.php/ijritcc |
| 7. | A Secure Storage Management & Auditing Scheme for Cloud Storage | Mr. Ashish K. Bhise | International Journal on Recent and Innovation Trends in Computing and Communication | 2321-8169 | https://ijritcc.org/index.php/ijritcc |
| 8. | A Secure Storage Management & Auditing Scheme for Cloud Storage | Mr. Nisar S. Shaikh | International Journal on Recent and Innovation Trends in Computing and Communication | 2321-8169 | https://ijritcc.org/index.php/ijritcc |
| 9. | A Secure Storage Management & Auditing Scheme for Cloud Storage | Mr. Yogesh B. Dongare | International Journal on Recent and Innovation Trends in Computing and Communication | 2321-8169 | https://ijritcc.org/index.php/ijritcc |
| 10. | A Secure Storage Management & Auditing Scheme for Cloud Storage | Mr. Suhas R. Kothavle | International Journal on Recent and Innovation Trends in Computing and Communication | 2321-8169 | https://ijritcc.org/index.php/ijritcc |



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| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|---------|---|--------------------------------|---|-----------|---|
| 11. | Sub-zero Quasi-static and Fatigue Behaviour of SAE 1040 Automotive Anti-roll Bars in Flexure | Mr. Amol S. Bhanage | SAE International Journal of Passenger Vehicle Systems | 2770-3479 | https://www.sae.org/publications/collections/content/E-JOURNAL-15 |
| 12. | Security for Shared Data Over Public Cloud for Maintaining Privacy | Mr. S. G. Rathod | Mathematical Statistician and Engineering Applications | 2094-0343 | https://www.philstat.org/index.php/MSEA |
| 13. | Experimentation with Novel Factors Affecting Earth Resistance using Taguchi Method | Mrs. M. R. Yashwante (Bhosale) | Journal of The Institution of Engineers (India): Series B | 2250-2106 | https://link.springer.com/article/10.1007/s40031-023-00856-5 |
| 14. | An Optimal Design for Grounding Grid Configuration with Unequal Conductor Spacing | Mrs. M. R. Yashwante (Bhosale) | Advances in Engineering Software | 1873-5339 | https://www.sciencedirect.com/science/article/abs/pii/S096599782200268X?via%3Dihub |
| 15. | A Novel Approach for Grounding Resistance Estimation Approach for Grounding Resistance Estimation | Mrs. M. R. Yashwante (Bhosale) | Indonesian Journal of Electrical Engineering and Computer Science | 2502-4752 | https://ijeecs.iaescore.com/index.php/IJECS/article/view/28007 |



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| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|----------------|--|-----------------------------|--|-------------|---|
| 16. | Dynamic Soil-Structure Interaction of Multi- Story Buildings using the Finite Element Method and Minimax Probability Machine Regression | Mr. Saurav Kar | Engineering, Technology and Applied Science Research | 2241-4487 | https://www.etasr.com/index.php/ETASR |
| 17. | Quasi-Static and Fatigue Reliability Analysis of C45 Automotive Leaf Spring Beam Under Flexural Loads in Sub-Zero Temperature | Mr. Amol S. Bhanage | Journal of Failure Analysis and Prevention | 2244-2259 | https://www.springer.com/journal/11668 |
| 18. | Quasi-Static and Fatigue Reliability of Glass/Epoxy Composite Automotive Leaf Spring Beams Under Flexural Loads at Sub-Zero Temperatures | Mr. Amol S. Bhanage | Journal of Failure Analysis and Prevention | 2244-2259 | https://www.springer.com/journal/11668 |



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Academic Year 2021-2022

| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|----------------|---|-----------------------------|---|-------------|---|
| 1. | Attention Layer-Based Multidimensional Feature Extraction for Diagnosis of Lung Cancer | Dr. Manisha Bhende | BioMed Research International | 2314-6141 | https://www.hindawi.com/journals/bmri/about/ |
| 2. | Classification Of Bioinformatics EEG Data Signals to Identify Depressed Brain State Using CNN Model | Dr. Manisha Bhende | BioMed Research International | 2314-6141 | https://www.hindawi.com/journals/bmri/about/ |
| 3. | Deep Learning-Based Real-Time Discriminate Correlation Analysis for Breast Cancer Detection | Dr. Manisha Bhende | BioMed Research International | 2314-6141 | https://www.hindawi.com/journals/bmri/about/ |
| 4. | Identification And Classification of Depressed Mental State for End-User Over Social Media | Dr. Manisha Bhende | Computational Intelligence and Neuroscience | 1687-5273 | https://www.hindawi.com/journals/cin/ |
| 5. | Integrating Multiclass Light Weighted BiLSTM Model for Classifying Negative Emotions | Dr. Manisha Bhende | Computational Intelligence and Neuroscience | 1687-5273 | https://www.hindawi.com/journals/cin/ |



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| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|----------------|--|-----------------------------|---|-------------|---|
| 6. | Deep Learning Model to Revel New Healthcare Concepts and Improve Performance | Dr. Manisha Bhende | Bulletin of Environment, Pharmacology and Life Sciences | 2277-1808 | https://bepls.com/ |
| 7. | Application of the IoT To Predict the Patient’s Health and Stress Elimination Using Machine Learning Algorithm | Dr. Manisha Bhende | Journal of Optoelectronics Laser | 1005-0086 | http://gdzjg.org/index.php/JOL |



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Academic Year 2020-2021

| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|----------------|--|-----------------------------|---|-------------|---|
| 1. | Research Perspective on Energy Efficient Protocols in IoT: Emerging Development of Green IoT | Mr. Umakant Tupe | International Journal of Pervasive Computing and Communications | 1742-7371 | https://www.emerald.com/insight/publication/issn/1742-7371 |



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Academic Year 2019-2020

| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|----------------|---|-----------------------------|--|-------------|---|
| 1. | Factors affecting epidemic diseases spread and prediction of it | Mr. S. S. Chaudhari | Studia Rosenthaliana (Journal for the Study of Research) | 1781-7838 | https://www.jsrpublication.com/ |
| 2. | Brain Tumor Detection And Segmentation | Mrs. S. K. Patil | International Journal for Research & Development in Technology | 2349-3585 | https://www.ijrdt.org |
| 3. | Blind Assistant | Mr. S. G. Rathod | Studia Rosenthaliana (Journal for the Study of Research) | 1781-7838 | https://www.jsrpublication.com/ |
| 4. | IOT Based Soldier E-JACKET using GPS | Mr. S. S. Chaudhari | Studia Rosenthaliana (Journal for the Study of Research) | 1781-7838 | https://www.jsrpublication.com/ |
| 5. | Computerized Adaptive Assessment | Mr. D. B. Satre | Journal of Emerging Technologies and Innovative Research | 2349-5162 | http://www.jetir.org/ |
| 6. | Guester based mobile robot controller system | Mr. Umakant Tupe | Studia Rosenthaliana (Journal for the Study of Research) | 1781-7838 | https://www.jsrpublication.com/ |



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| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|---------|---|-----------------------------|--|-----------|---|
| 7. | A Knowledge-based Recommendation system using Deep Learning | Mrs. S. S. Muley | Studia Rosenthaliana (Journal for the Study of Research) | 1781-7838 | https://www.jsrpublication.com/ |
| 8. | Transaction Authentication Using Face Detection And Invisible Keyboard Sequence | Mrs. S. S. Muley | GIS Science Journal | 1869-9391 | https://gisscience.net/ |
| 9. | An Efficient Approach to Control the Over Speeding of Vehicles | Mr. S. A. Agrawal | Studia Rosenthaliana (Journal for the Study of Research) | 1781-7838 | https://www.jsrpublication.com/ |
| 10. | Internet Based Room Controller | Mr. P. V. Deshmukh | Studia Rosenthaliana (Journal for the Study of Research) | 1781-7838 | https://www.jsrpublication.com/ |
| 11. | Experimental Investigation of SiO ₂ Coating on the Performance of Solar Pane | Mr. Girish L. Allampallewar | Test Engineering and Management | 0193-4120 | http://www.testmagzine.biz/index.php/testmagzine/index |
| 12. | Design and Fabrication of Zero Turn Vehicle | Mr. R. P. Polas | Journal of Gujarat Research Society | 0374-8588 | http://www.gujaratresearchsociety.in/index.php/JGRS/index |



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Academic Year 2018-2019

| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|---------|---|----------------------|--|-----------|---|
| 1. | Numerical and Experimental Investigations on Flexural Fatigue Behaviour of Glass/Epoxy Composite and SAE 1040 Steel Tubes for Automotive Applications | Mr. Amol S. Bhanage | SAE Technical Paper | 2688-3627 | https://www.sae.org/publications/technical-papers/ |
| 2. | Decomposition Of the Product of Cycles Based on Degree Partition | Dr. S. R. Shaikh | Discussiones Mathematicae Graph Theory | 2083-5892 | https://sciendo.com/journal/DMGT |
| 3. | Factorizations of the Product of Cycles | Dr. S. R. Shaikh | AKCE International Journal of Graphs and Combinatorics | 2543-3474 | https://www.tandfonline.com/toc/uakc20/current |
| 4. | Review on Social Media Mental Disorder Detection System | Mr. S. A. Agrawal | International Journal of Computer Engineering and Applications | 2321-3469 | https://ijcea.com/ |
| 5. | Smart Shoes Navigation | Mrs. S.K. Patil | International Journal of Computer Engineering and Applications | 2321-3469 | https://ijcea.com/ |



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| Sr. No. | Title of Paper | Name of the Author/s | Name of Journal | ISSN | Link to Website of the Journal |
|---------|---|----------------------|--|-----------|---|
| 6. | Interaction with platform Games using Smart Watch | Mrs. D. J. Bonde | International Journal of Computer Engineering and Applications | 2321-3469 | https://ijcea.com/ |
| 7. | Smart Electronic wheelchair using Bluetooth Module and IOT | Mrs. K. S. Surawase | Journal of Emerging Technologies and Innovative Research | 2349-5162 | https://www.jetir.org/ |
| 8. | A Survey: Machine Learning Approach for Tracking and Predicting Student Performance in Degree Programs | Mr. D. B. Satre | Journal of Emerging Technologies and Innovative Research | 2349-5162 | https://www.jetir.org/ |
| 9. | A Parallel System Implementation of Classification and Disease Prediction on Machine Learning from Healthcare Communities | Mr. S. S. Chaudhari | International Journal of Research and Analytical Reviews | 2349-5138 | https://www.ijrar.org/ |
| 10. | Review of Blockchain based Forensics Analysis Secure Node Diagnosis Mechanism of Smart Grid | Mr. S. A. Agrawal | International Journal of Research and Analytical Reviews | 2349-5138 | https://www.ijrar.org/ |

