



Lokmanya Tilak Jankalyan Shikshan Sanstha's  
**Lokmanya Tilak College of Engineering**  
Sector-4, Vikas Nagar, Koparkhairane, Navi Mumbai  
(Approved by AICTE, Affiliated to University of Mumbai, & Accredited by NAAC)



## Department of Computer Engineering

### Contents

#### 1. Details of publications: Journal Papers

| Sr. No.                          | Title of paper   | Name of the author/s                      | Name of journal  | Listed in UGC Care list/Scopus/Web of Science/other |
|----------------------------------|--|---|--|---|
| <i>1.1 Academic Year 2023-24</i> |  |   |  |   |
| 1                                | Optimizing Cloud Computing Applications with a Data Center Load Balancing Algorithm                  | Dr. Chaitrali Chaudhari                   | International Journal on Recent and Innovation Trends in Computing and Communication | Scopus  |
| 2                                | Optimizing Cloud Computing Applications with a Data Center Load Balancing Algorithm                  | Dr. Sanjivani Deokar                      | International Journal on Recent and Innovation Trends in Computing and Communication | Scopus  |
| 3                                | Predictive Resource Allocation Strategies for cloud computing environments using Machine Learning    | Dr. Sanjivani Deokar                      | Journal of Electrical Systems  | Scopus  |
| 4                                | Classification of COVID-19 and Non-COVID-19 CT Scans Using Deep Learning                             | Ms. Smita Attarde<br>Dr. Pawan Bhaladhare | Journal of Data Acquisition and Processing   | Scopus  |
| 5                                | Prediction of Disease Outbreak During Pandemic Using Deep Learning                                   | Ms. Smita Attarde<br>Dr. Pawan Bhaladhare | Latin American Journal of Pharmacy (LAJP)  | Scopus  |
| 6                                | Fabric Defect Analysis In Textile Manufacturing: Evaluating Methods For Generic And Jacquard Fabrics | Ms Shital Dhamal                          | Journal of Propulsion Technology   | Scopus  |

**1.2 Academic Year 2022-23**

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| 7  | Reinforced Manta-Ray Foraging Optimiser for Determining the Optimal Number of Threads in Multithreaded Applications | S H Malave<br>S K Shinde  | International Journal of Intelligent Systems and Applications in Engineering | Scopus       |
| 8  | Robust Digital Watermarking using Pixel Color Correlation and Chaotic Encryption for Medical Image Protection       | Namita D. Pulgam<br>Subhash K Shinde  | International Journal of Intelligent Systems and Applications in Engineering | Scopus       |
| 9  | A Review Study of the Blockchain-Based Healthcare Supply Chain  | Jayendra S Jadhav, Jyoti Deshmukh   | Social Science & Humanities Open (SSRN), Science Direct                      | Scopus       |
| 10 | Valid Edge Identification-Based Routing For Capacitated Vehicle Routing Problem                                     | Jayendra Jadhav, Abhishek Singh, Anand Bind, Aniket Jagtap, Ravishankar Kaushal | Goya Journal   | UGC Care     |
| 11 | Image Compression Using Generative Adversarial Network  | Chitra Wasnik<br>Prathamesh Tamanekar<br>Nishant Joshi<br>Shubham Deokar        | JETIR  | UGC Approved |

**1.3 Academic Year 2021-22**

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|----|--|---|--|------------------|
| 12 | Multidimensional Multi-Attribute Approach to Counter the Routing Attacks on MANET                                    | S K Shinde<br>Nilesh Marathe              | Wireless Personal Communications, An International Journal | Web of Science   |
| 13 | Adaptive Manta-Ray Foraging Optimizer for Determining Optimal Thread Count in Multithreaded Applications             | S K Shinde<br>Sachin Malve                | INFOCOMP Journal of Computer Science                       | UGC care         |
| 14 | An Android Based Mobile Application for Location Based Attendance with 2 Way Face Recognition and OTP Authentication | Sonal Ajay Bankar<br>Mukherjee Mamta      | Journal of Interdisciplinary Cycle Research                | UGC care         |
| 15 | Shopping Mall Experience Over E-commerce Websites using Beacon Technology and Data Mining Algorithms                 | Prof Manish R. Umale<br>Manali P. Gaikwad | IJSREM   | UGC care Journal |
| 16 | An Efficient Authentication Technique to Protect IoT Networks from Impact of RPL Attacks                             | Ms.Smita Ambarkar                         | International Journal of Engineering Trends and Technology | Scopus           |

**1.4 Academic Year 2020-21**

|           |  |  |   |                     |
|-----------|--|--|---|---------------------|
| <b>17</b> | A heterogeneous ensemble forecasting model for disease prediction  | Nonita Sharma<br>Jaiditya De<br>Monika Mangla<br>Vaishali Mehta<br>Wadhwa<br>Sachi Nandan<br>Mohant<br>Deepti Kakkar | New Generation Computing  | Scopus, UGC care    |
| <b>18</b> | Predicting mortality rate and associated risks in COVID-19 patients  | Suneeta Satpath<br>Monika Mangla<br>Nonita Sharma<br>Hardik<br>Deshmukh<br>Sachinandan<br>Mohanty                    | Spatial Information Research  | Scopus, UGC care    |
| <b>19</b> | A fuzzy expert system for predicting the mortality of COVID'19   | Monika Mangla<br>Nonita Sharma<br>Poonam Mittal  | Turkish Journal of Electrical Engineering & Computer Sciences                                     | Scopus              |
| <b>20</b> | Improved Framework using Rider Optimization Algorithm for Precise Image Caption Generation                                       | Chaudhari, C. P.<br>Devane, S  | International Journal of Image and Graphics Vol. 22, No. 02, 2250021                              | Scopus and UGC Care |
| <b>21</b> | Improved ITCA Method to Mitigate Network-Layer Attack in MANET   | S K Shinde<br>Nilesh Marathe   | Data Communication and Networks,  | Springer            |
| <b>22</b> | Deep Learning and Ensemble Approach for Praise or Complaint Classification   | S K Shinde<br>Sujata K   | Procedia Computer Science   | Web of science      |
| <b>23</b> | An efficient integration and indexing method based on feature patterns and semantic analysis for big data                        | S K Shinde<br>Madhu N Jain   | Array, Elesiver   | Web of science      |
| <b>24</b> | Learning Optimum Number of Bases for Indian Languages in Non-negative Matrix Factorization Based Multilingual Speech Separation, | Nandini C Nag,<br>Milind<br>S Shah   | International Journal of Advanced Computer Science and Applications(IJA CSA),                     | Scopus              |
| <b>25</b> | Non-negative Matrix Factorization on a Multi-lingual Overlapped Speech Signal: A Signal and Perception Level Analysis.           | Nandini C Nag,<br>Milind<br>S Shah   | International Journal of Computing and Digital Systems, Int. J. Com. Dig. Sys.11, No.1 (Jan-2022) | Scopus              |