



Shri Sant Gajanan Maharaj College of Engineering, Shegaon
Department of Computer Science and Engineering

Patent and Publication Details A.Y. 2024-25

Table 1: Patent Data

Sr. No.	Name of Inventors	Application No. / Publication No.	Title of the Invention	Status Published / Granted
1	Dr. Jaikumar M. Patil	202421090465 A	An advanced vehicle safety system for driver authentication, alcohol detection, and centralised access control.	Published
2	Dr. Jaikumar M. Patil Prof. Shrijeet Pagrut	202421091222A	A Real Time Medical Inventory and Healthcare management System	Published
3	Prof. Vishwanath. S. Mahalle	202421039794A	System and Methods of Plant Disease Detection and Content Based Image Retrieval	Published
4	Prof. Shrijeet Pagrut	202421043408 A	A DATA ANALYTICS CONFIGURATION FOR AN UNMANNED AERIAL VEHICLE	Published

Table 2: Copyright

Sr. No	Name of Faculty	Title of Work	Status
1	Prof. Shrijeet Pagrut	DESIGN AND DEVELOPMENT OF WEB PORTAL OF DRONE CLUB, SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON	PUBLISHED

Table 3: Publication Data

Sr. No.	Name of Authors	Paper Title	Publication Details with ISSN / ISBN / Vol. / Issue / DOI / Year	International Journal / National Journal / Book Chapter / International Conference / National Conference	Indexing (SCI / Web of Science / Scopus / UGC CARE / Google Scholar / Other)	Paper Link
1	Dr. Jaikumar M. Patil	An optimized framework for implementation of smart waste collection and management system in smart cities using IoT based deep learning approach	https://doi.org/10.1007/s41870-024-02083-7	International Journal	Scopus	https://link.springer.com/article/10.1007/s41870-024-02083-7
2	Dr. Jaikumar M. Patil	Intelligent Crop Management Optimization Using Machine Learning Algorithms: A Linear Analytical Approach	ISSN 1092-910X	International Journal	Scopus	https://internationalpubls.com/index.php/anvi/article/view/1367
3	Dr. Narendra M. Kandoi	Weicare: Blockchain-Based Solution For Modern Healthcare Challenges	e-ISSN: 2582-5208	International Journal	Peer Reviewed	irjmets.com/uploadedfiles/paper/issue_2_february_2025/68319/final/fin_irjmet_s1740765296.pdf
4	Dr. Narendra M. Kandoi	JOBNEXUS: AN AI-DRIVEN CAREER PLACEMENT PORTAL FOR OPTIMIZED CAMPUS RECRUITMENT	e-ISSN: 2582-5208	International Journal	Peer Reviewed	JOBNEXUS-AI-Driven-April-25-Paper - Narendra Kandoi.pdf - Google Drive

5	Prof. Vishwanath. S. Mahalle	Implementation of Transfer Learning using VGG19 CNN model for Content Based Image Retrieval	1001-2400	International Journal	Scopus	https://xidian.dx.cn.iasrj.com/Doi.10.37896jxu18.7010.pdf
6	Prof. Vishwanath. S. Mahalle	PLANT DISEASE DETECTION AND DIAGNOSIS USING PRETRAINED CNN MODEL	e-ISSN: 2582-5208	International Journal	Peer Reviewed	https://www.irjmets.com/uploadedfiles/paper/issue_5_may_2024/55377/final/fin_irjmets1715079531.pdf
7	Prof. Vishwanath. S. Mahalle	Deep Learning-Based Multi-Class Stroke Detection Using CNN	2229-7677	International Journal	Peer Reviewed	https://www.ijst.org/papers/2025/2/3801.pdf
8	Prof. Vishwanath. S. Mahalle, Pranav Lod, N. M. Kandoi and S. B. Patil	Efficient Content Based Image Retrieval System Based on Early and Late Fusion Technique	1001-2400	International Journal	Scopus	https://xadzkdjdx.cn/index.php/volume-18-issue-5-may-24/
9	Prof. Chandrashekhar M. Mankar	SKYRA: Integrated Air Travel Management and Navigation System	1548-7741	International Journal	Peer Reviewed	https://drive.google.com/file/d/1DI2L68Ua-QNkk465twVua3SCl_sM_olZ6/view

10	Prof. Chandrashekhar M. Mankar	Ai-Driven Fitness Platform using Deep Convolutional Neural Network	ISSN: 1548-7741	International Journal	Peer Reviewed	https://drive.google.com/file/d/1uPSVmQ80ufb08m2dZqdy0LIvHKdYyOW/view
11	Prof. Chandrashekhar M. Mankar	Intelligent Automation for E-Commerce Smarter Packaging and Management of Smart Warehouses	ISSN: 1548-7741	International Journal	Peer Reviewed	https://drive.google.com/file/d/1_b41SGQITsmADv4xz3CI7337MA3zNM42/view
12	Dr. Pankaj K. Bharné	DYNAMIC TIMETABLE GENERATOR USING GENETIC ALGORITHM”	e-ISSN: 2582-5208	International Journal	Peer Reviewed	https://www.irjmets.com/uploadedfiles/paper//issue_3_march_2025/68635/final/fin_irjmets1741508622.pdf
13	Prof. Kalyani P. Sable	Design of an Iterative Model Incorporating mBERT, CSLM, and ADAN for Multilingual and Code-Switched Sentiment Analysis	DOI: 10.1109/ICDSCNC6249.2.2024	International Conference	SCOPUS	https://ieeexplore.ieee.org/document/10939421
14	Prof. Kalyani P. Sable	Project Pulse: Project Showcase Platform	ISSN: 2395-6011	International Journal	Peer Reviewed	https://drive.google.com/file/d/1kukiz9bu7ORpGmcuqY0q3A9MGAIFRqpg/view
15	Prof. Shrijeet. B. Pagrut	Unmanned Aerial Vehicles and Low-Flying Drones: A Review of Classification	DOI: 10.1109/IDICAIEI6186.7.2024	International Conference	IEEE	https://ieeexplore.ieee.org/xpl/conhome/10842675/proceeding

16	Dr. Rupali A. Zamare	Elderly Healthcare IoT through Data Analytics and Artificial Intelligence	DOI: 10.1109/ICTBIG64922.2024.10911206	International Conference	IEEE/SCOPUS	https://ieeexplore.ieee.org/document/10911206
17	Dr. Rupali A. Zamare	Development of NextGen Meeting Portal	https://doi.org/10.47392/IRJAEH.2025.0126	International Journal	Peer Reviewed	https://irjaeh.com/index.php/journal/article/view/617
18	Dr. Rupali A. Zamare	Smart Cctv Surveillance System Using Python	DOI: https://www.doi.org/10.56726/IRJMETS70721	International Journal	Peer Reviewed	https://www.irjmets.com/uploadedfiles/paper//issue 3 march 2025/70721/final/fin_irjmets1743599267.pdf
19	Prof. Pooja R. Pohare	Performance Analysis and Optimization of Player Selection Using Machine Learning Algorithms	ISSN: 2581-4621	International Journal	Peer Reviewed	https://ijetms.in/Vol-9-issue-2/Vol-9-Issue-2-41.pdf

Table 4: Books Publication Data

Sr. No	Name of Author	Title	Publication Details	Book/Book Article	ISBN	Co-Authors
1	Dr. Jaikumar M. Patil	Pioneering Trends in Generative AI	REST Publisher	Book	ISBN:978-81-984621-4-5	Dr. Prachet Bhuyan, Dr. Sathiyaraj Chinnasamy Dr. Neha Bharani