Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Department of Computer Science and Engineering

Patent and Publication Details A.Y. 2023-24

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	202321060974	INTELLIGENT TRAFFIC MANAGEMENT SYSTEM FOR SMART CITIESUSING IOT AND MACHINE LEARNING TECHNOLOGIES	Published
2	Dr. Jaikumar M. Patil	202321062076	CYBER SECURITY BASED RISK ASSESSMENT AND MANAGEMENTSYSTEM USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING FOR ENTERPRISE NETWORKS	Published
3	Dr. Jaikumar M. Patil	202311069353	A SECURITY PATROL ALL TERRAIN ROBOT	Published
4	Prof. C. M. Mankar	202321032278 A	MRI TUMOUR IMAGE CLASSIFICATION SYSTEM BASED ON IDENTIFICATION OF POTENTIAL FEATURE	Published
5	Dr. P. K. Bharne	202321036087	AN IOT BASED BABY MONITORING SYSTEM FOR SMART CRADLES	Published
6	Dr. Ms. P. V. Deshmukh	202321055338 A	EFFECTIVE APPROACH FOR GENUINENESS OF VIEWS USING SENTIMENT ANALYSIS	Published

7	Dr. Ms. P. V. Deshmukh	202321048240 A	SENTIMENT ANALYSIS OF MARATHI-ENGLISH CODE-MIXED DATA	Published
8	Dr. Ms. P. V. Deshmukh	202421005603 A	INTELLIGENT ISLANDING DETECTION SYSTEM FOR DISTRIBUTEDGENERATION USING MACHINE LEARNING	Published

Table 2: Copyright

Sr. No	Name of Faculty	Title of Work	Status
1	Prof Shrijeet B. Pagrut	AMAZING RELATION BETWEEN HUMAN AND COMPUTER	Published
2	Dr. Priyanka V. Deshmukh	MACHINE LEARNING- POWERED ISLANDING DETECTION FOR ENHANCED GRID RESILIENCE	Published
3	Dr. Priyanka V. Deshmukh	SENTIMENT ANALYSIS OF MARATHI-ENGLISH CODEMIXED DATA	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 ofScience / Scopus / UGC CARE / Google Scholar / Other)	Paper Link
1	Dr. Jaikumar M. Patil	A Novel Approach to Fake News Detection Using Generative AI	International Journal of Intelligent Systems andApplications in Engineering /	International Journal	Scopus	https://ijisae.org/index.php/IJISAE/article/view/3797
2	Dr. Jaikumar M. Patil	Studies on the Use of Various Noise Strategiesfor Perturbing Data in Privacy-Preserving Data Mining	International Journal of Intelligent Systems andApplications in Engineering	International Journal	Scopus	https://ijisae.org/index.php/IJISAE/article/view/4119
3	Prof. C. M. Mankar	Mobile Cum Web BasedVoting System for Rural Areas in India	International Journal of Distributed and CloudComputing, (June 23, 2013). IJDCC Volume 1 Issue 2 December 2013 ISSN: 2321-6840 ISBN: 9783659618550, 3659618551	International Journal	Reviewed Journal	https://ssrn.com/abstract=2403182

4	Prof. V. S. Mahalle	An Enhanced Query Optimization Implemented in Hadoop using Bio-Inspired Algorithm with HDFS Technique	International Journal onRecent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11, Issue: 10 october 2023	International Journal	Scopus	https://doi.org/10.17762/ijritcc.v11i10.8517 https://ijritcc.org/index.php/ijritcc/article/view/8517
5	Prof. V. S. Mahalle, Narendra M.Kandoi, Santosh B. Patil	A powerful method for interactive content - based image retrieval by variable compressed convolutional infoneural networks	The Visual Computer: International Journal of Computer Graphics: 1432-2315	International Journal	SCIE, SCOPUS, UGC-CARE	https://link.springer.com/article/10.1007/s00371-023-03104-5 https://doi.org/10.1007/s0037-023-03104-5
6	Pranav Lod, V. S. Mahalle, N. M. Kandoi, S. B. Patil	Efficient Content Based Image Retrieval System Based on Early and Late Fusion Technique	Journal of Xidian University	International Journal	SCOPUS	drive.google.com https://xadzkjdx.cn/index.php/volume-18-issue-5-may-24/
7	Gayatri Dshmukh, Shubham Gorde, Kuldeep Lunge, Nikita Labade, Prof. V. S. Mahalle	Detection of Insects and Pests in Agriculture Field using MobileNet	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	International Journal	Peer Reviewed and Refereed Journal	www.ijraset.com www.ijraset.com

8	Dr.Pankaj K. Bharne	Stock Market Prediction Module Using Ann & Swarm Intelligence	International Journal of Science and Research (IJSR) SJIF (2022): 7.942	International Journal	UGC	https://www.ijsr.net/archive/v13i6/SR24526133327.pdf
9	Vishwanath S. Mahalle, Archana L. Rane,Debam Bhattacharya,Abhijit Banubakode and Vandana C. Bagal	Book Title: Artificial Intelligence, Machine Learning and User Interface Design Chapter Name: Knowledge representation in Artificial Intelligence-A Practical Approach	978-981-5179-61-3 Online ISBN: 978-981-5179-60-6	Book Chapter	Bentham Science Publisher	Book Details: Print ISBN: 978-981-5179-61-3 Online ISBN: 978-981-5179-60-6 DOI: https://doi.org/10.2174/97898151796061240101
10	Vishwanath S. Mahalle, Narendra M. Kandoi, Santosh B. Patil, Abhijit Banubakode and Vandana C. Bagal	Book Title: Artificial Intelligence, Machine Learning and User Interface Design Chapter Name: Enhancing Efficiency in Content-based Image Retrieval System Using Pre-trained Convolutional Neural Network Models	978-981-5179-61-3 Online ISBN: 978-981-5179-60-6	Book Chapter	Bentham Science Publisher	Book Details: Print ISBN: 978-981-5179-61-3 Online ISBN: 978-981-5179-60-6 DOI: https://doi.org/10.2174/97898151796061240101
11	Prof. V. S. Mahalle, Narendra M. Kandoi, Santosh B. Patil	Book Title: Data Science and BigData Analytics Chapter: Transfer Learning by Fine Tuning Pre-Trained Convolutional Neural Network Architectures	IDBA: International Conference on Data Science and Big Data Analysis eBook ISBN: 978-981-99-9179-2 Page Number: 273	Book Chapter	Springer	https://link.springer.com/book/10.1007/978-981-99-9179-2 https://doi.org/10.1007/978-981-99-9179-2

		for Image Recognition				Transfer Learning by Fine-Tuning Pre-trained Convolutional Neural Network Architectures for Image Recognition | SpringerLink

Table 4: Books Publication Data

1	Dr. Jaikumar M. Patil Dr. Aarti S. Zanwar Dr. Abhijit N. Merekar Dr. Smita A. Merekar Dr. Arvind R. Bhagat Patil	Textbook of Quality Assurance	Shashwat Publication ISBN: 978-93-6087-412-4	Book	Shashwat Publication ISBN: 978-93-6087-412-4	Dr. Jaikumar M. Patil Dr. Aarti S. Zanwar Dr. Abhijit N. Merekar Dr. Smita A. Merekar Dr. Arvind R. Bhagat Patil
2	Dr. N. M. Kandoi P. V. Kale A. G. Sharma	AI-Driven Helthcare Transforming Diagnosis for Effective Treatment	VINSA publication 978-81-971527-3-3	Book	VINSA publication 978-81-971527-3-3	Dr. N. M. Kandoi P. V. Kale A. G. Sharma
3	Vishwanath S. Mahalle, Chandrashekhar M. Mankar, Nikhil Prakash J. S., Debanjan Ghosh	Book Name: Cyber Security	9788196819828	Book	REST Publisher	Vishwanath S. Mahalle, Chandrashekhar M. Mankar, Nikhil Prakash J. S., Debanjan Ghosh