



**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**

<b>Sr. No.</b>	<b>Name of Inventors</b>	<b>Application No. / Publication No.</b>	<b>Title of the Invention</b>	<b>Status Published / Granted</b>
1	Dr. Jaikumar M. Patil	202321060974	INTELLIGENT TRAFFIC MANAGEMENT SYSTEM FOR SMART CITIES USING IOT AND MACHINE LEARNING TECHNOLOGIES	Published
2	Dr. Jaikumar M. Patil	202321062076	CYBER SECURITY BASED RISK ASSESSMENT AND MANAGEMENT SYSTEM 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**

<b>Sr. No</b>	<b>Name of Faculty</b>	<b>Title of Work</b>	<b>Status</b>
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**

<b>Sr. No.</b>	<b>Name of Authors</b>	<b>Paper Title</b>	<b>Publication Details with ISSN / ISBN / Vol. / Issue / DOI / Year</b>	<b>International Journal / National Journal / Book Chapter / International Conference / National Conference</b>	<b>Indexing (SCI / Web of Science / Scopus / UGC CARE / Google Scholar / Other)</b>	<b>Paper Link</b>
1	Dr. Jaikumar M. Patil	A Novel Approach to Fake News Detection Using Generative AI	International Journal of Intelligent Systems and Applications in Engineering /	International Journal	Scopus	<a href="https://ijisae.org/index.php/IJISAE/article/view/3797">https://ijisae.org/index.php/IJISAE/article/view/3797</a>
2	Dr. Jaikumar M. Patil	Studies on the Use of Various Noise Strategies for Perturbing Data in Privacy-Preserving Data Mining	International Journal of Intelligent Systems and Applications in Engineering	International Journal	Scopus	<a href="https://ijisae.org/index.php/IJISAE/article/view/4119">https://ijisae.org/index.php/IJISAE/article/view/4119</a>
3	Dr. Jaikumar M. Patil	Mapping Women's Safety through Location-Based Reviews	SSGM Journal of Science and Engineering, Vol. 2, Issue 1, May 2024		Peer-Reviewed	<a href="https://ssgmjournal.in/index.php/ssgm/article/view/86">https://ssgmjournal.in/index.php/ssgm/article/view/86</a>

4	Dr. N. M. Kandoi	A FRAMEWORK FOR PREDICTING THE CROP YIELD IN ACCORDANCE WITH SOIL PARAMETERS	SSGM Journal of Science and Engineering, Vol. 2, Issue 1, May 2024		Peer-Reviewed	<a href="https://ssgmjournal.in/index.php/ssgm/article/view/98">https://ssgmjournal.in/index.php/ssgm/article/view/98</a>
5	Prof. C. M. Mankar	Mobile Cum Web Based Voting System for Rural Areas in India	International Journal of Distributed and Cloud Computing, (June 23, 2013). IJDCC Volume 1 Issue 2 December 2013 ISSN: 2321-6840 ISBN: 9783659618550, 3659618551	International Journal	Reviewed Journal	<a href="https://ssrn.com/abstract=2403182">https://ssrn.com/abstract=2403182</a>

6	Prof. V. S. Mahalle	An Enhanced Query Optimization Implemented in Hadoop using Bio-Inspired Algorithm with HDFS Technique	International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11, Issue: 10 October 2023	International Journal	Scopus	<a href="https://doi.org/10.17762/ijritcc.v11i10.8517">https://doi.org/10.17762/ijritcc.v11i10.8517</a> <a href="https://ijritcc.org/index.php/ijritcc/article/view/8517">https://ijritcc.org/index.php/ijritcc/article/view/8517</a>
7	Prof. V. S. Mahalle, Dr. Narendra M. Kandoi, Dr. 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	<a href="https://link.springer.com/article/10.1007/s00371-023-03104-5">https://link.springer.com/article/10.1007/s00371-023-03104-5</a> <a href="https://doi.org/10.1007/s0037-023-03104-5">https://doi.org/10.1007/s0037-023-03104-5</a>
8	Prof. V. S. Mahalle, Dr. N. M. Kandoi, Dr. S. B. Patil, Pranav Lod,	Efficient Content Based Image Retrieval System Based on Early and Late Fusion Technique	Journal of Xidian University	International Journal	SCOPUS	<a href="https://drive.google.com">drive.google.com</a> <a href="https://xadzkjdx.cn/index.php/volume-18-issue-5-may-24/">https://xadzkjdx.cn/index.php/volume-18-issue-5-may-24/</a>
9	Prof. V. S. Mahalle, Gayatri Deshmukh, Shubham Gorde, Kuldeep Lunge, Nikita Labade,	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	<a href="http://www.ijraset.com">www.ijraset.com</a> <a href="http://www.ijraset.com">www.ijraset.com</a>

10	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	<a href="https://www.ijsr.net/archive/v13i6/SR24526133327.pdf">https://www.ijsr.net/archive/v13i6/SR24526133327.pdf</a>
11	Prof. 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	<u>978-981-5179-61-3</u> <u>Online ISBN: 978-981-5179-60-6</u>	Book Chapter	Bentham Science Publisher	<u>Book Details:</u> <u>Print ISBN: 978-981-5179-61-3</u> <u>Online ISBN: 978-981-5179-60-6</u> <u>DOI: https://doi.org/10.2174/97898151796061240101</u>
12	Prof. Vishwanath S. Mahalle, Dr. Narendra M. Kandoi, Dr. 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	<u>978-981-5179-61-3</u> <u>Online ISBN: 978-981-5179-60-6</u>	Book Chapter	Bentham Science Publisher	<u>Book Details:</u> <u>Print ISBN: 978-981-5179-61-3</u> <u>Online ISBN: 978-981-5179-60-6</u> <u>DOI: https://doi.org/10.2174/97898151796061240101</u>
13	Prof. V. S. Mahalle, Dr. Narendra M. Kandoi, Dr. 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	<a href="https://link.springer.com/book/10.1007/978-981-99-9179-2">https://link.springer.com/book/10.1007/978-981-99-9179-2</a> <a href="https://doi.org/10.1007/978-981-99-9179-2">https://doi.org/10.1007/978-981-99-9179-2</a>

		for Image Recognition				<a href="#">Transfer Learning by Fine-Tuning Pre-trained Convolutional Neural Network Architectures for Image Recognition   SpringerLink</a>
14	Prof. Kalyani P. Sable	Review on Text Insight Pro: Comprehensive Automated Text Analysis Platform	SSGM Journal of Science and Engineering, Vol. 2, Issue 1, May 2024		Peer-Reviewed	<a href="https://ssgmjournal.in/index.php/ssgm/article/view/89">https://ssgmjournal.in/index.php/ssgm/article/view/89</a>
15	Prof Shrijeet B. Pagrut	Plant Disease Detection Using Mask RCNN	SSGM Journal of Science and Engineering, Vol. 2, Issue 1, May 2024		Peer-Reviewed	<a href="https://ssgmjournal.in/index.php/ssgm/article/view/90">https://ssgmjournal.in/index.php/ssgm/article/view/90</a>

16	Dr. R. A. Zamare	Decentralized Crowd funding with Blockchain	SSGM Journal of Science and Engineering, Vol. 2, Issue 1, May 2024			<a href="https://ssgmjournal.in/index.php/ssgm/article/view/88">https://ssgmjournal.in/index.php/ssgm/article/view/88</a>
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**Table 4: Books Publication Data**

Sr. No	Name of Author	Title	Publication Details	Book/Book Article	ISBN	Co-Authors
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

4	Dr. Pankaj K. Bharne	Data Science with Python and Dask	978-81-984044-2-8	Book	REST Publisher	-
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