



Shri Sant Gajanan Maharaj College of Engineering, Shegaon
Department of Information Technology

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.A.S Manekar	202541007684	Artificial Intelligence Based Smart System for Real Time Sleep Apnea Detection Using Wearable IoT Devices and Deep Learning Algorithm	Published
2.	Prof.S.N Khandare	428459-001	Rechargeable Early Warning Natural Disaster Alarm Device	Published

Table 2 : Book /Book Chapter Publication Data

Sr.No	Name of Author	Title	Publication Detail	Book/Book Chapter	ISBN Number
1	Dr.A.S Manekar	Artificial Intelligence- A New Synthesis Step by Step Tutorials	Lulu Publication	Book	9781300746737
2	Prof.Ms.P.V Kale Prof.A.G Sharma	AI-Driven Healthcare Transforming Diagnosis for Effective Treatment	VINSA Publication	Book	9788197 830501
3	Prof.Ms.P.P Bute	Network Essentials	REST Publishers Ltd, India.	Book	978-81-985636-3-7

Table 3: Faculty Publication Data

Sr. No.	Name of Authors	Paper Title	Publication Details with ISSN / ISBN / Vol. / Issue /Year/ DOI	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.A.S Manekar Ku. Snehal Kubade Ku. Vedanti Polkat Kartik Dhande Prasad Khadse Bhavika Jain	A Smart and Secure IOT Based Parking System For Efficient Space Management	Hinweis Third International Conference on Advanced Research in Engineering and Technology ARET-2025	Conference	Scopus	
2	Dr.A.S Manekar Prof.Sneha Manekar Ku. Snehal Kubade Ku. Vedanti Polkat Kartik Dhande Prasad Khadse Bhavika Jain	A Smart and Secure IOT Based Parking System For Efficient Space Management	Grenze International Journal of Engineering and Technology	Journal		
2	Dr.A.S Manekar Ku. Snehal Kubade Ku. Vedanti Polkat Kartik Dhande Prasad Khadse Bhavika Jain	Decentralized Solutions for Healthcare: A Comprehensive Analysis of Blockchain's Impact on Data Privacy, Interoperability, and Supply Chain Integrity” a	International Conference on Recent Advancements in Artificial Intelligence, Computational Intelligence and Inclusive Technologies 02 – 03 May 2025 Vijayawada India ICRAIC2IT-2025	Conference	Scopus	

3	Prof.P.V Kale Prof.Narendra Kandoi Prof.M. S Shinde Prof.C. O Banchhore Prof.Vikas Maral Prof.D.G. Takale Prof.P.N Mahalle Prof.Bipin Sule	Early Detection of Liver Disease Using Machine Learning :An Integrated Approach with Feature Selection and XGBoost Optimization	9 th International Conference on Smart Trends in Computing and Communication Smartcom 2025	Conference	Springer	
4	Dr.S.D Padiya Dr.V.S Gulhane	Eddystone-TLM frame with a lightweight frame for sensor data broadcasting	International Journal of Internet Protocol Technology (IJIPT), Vol. 17, No. 3, 2024 DOI: 10.1504/IJIPT.2024.146222	Journal	Scopus	https://www.inderscience.com/offers.php?id=146222
5	Prof.S.N Khandare Dr.N.H Khandare Dr.S.P Joshi	Design and Development of IOT enabled Electronic Circuit for Solar Arrays Cleaning Mechanism	Tuijin Jishu/Journal of Propulsion Technology ISSN:1001-4055 Vol.45 No.3(2024)	Journal	Scopus	
6	Prof.S.N Khandare Dr.N.H Khandare Dr.S.P Joshi	Design and Fabrication of AI Adaptive Solar Panel Cleaning Mechanism	Goyal Journal ISSN 0017-2715 Volume 17, Issue 08 March 2024	Journal	Peer-Reviewed	

Student Publication

Sr. No.	Name of Authors	Paper Title	Publication Details with ISSN / ISBN / Vol. / Issue /Year/ DOI	International Journal / National Journal / Book Chapter / International Conference / National Conference	Indexing (SCI / Web of Science / Scopus / UGC CARE / Google Scholar / Other)	Paper Link
1.	Ku. Gauri Khandar Ku. Shreya Tiwari Ameya Mandwale Nagesh Paturkar Dr.A.S Manekar	Blockchain in Healthcare: A secure Approach to Data Privacy, System Interoperability ,and Supply Chain Transparency	12th National Conference “ Recent Advances in Computer Engineering (RACE) 2025 ” organized by Wadia College Of Engineering Pune	Conference	-	
2	Ku. Gauri Khandar Ku. Shreya Tiwari Ameya Mandwale Nagesh Paturkar Dr.A.S Manekar	Public Serve: Enhancing E-Commerce Experience with AI-Powered Support	SSGM Journal of Science and Engineering	Journal	Print Journal	
3	Ku. Snehal Kubade Ku. Vedanti Polkat Kartik Dhande Prasad Khadse Bhavika Jain Dr.A.S Manekar	“ParkNow:Optimizing Shared Community Parking Spaces with Digital Efficiency”	SSGM Journal of Science and Engineering	Journal	Print Journal	
4	Ku. Snehal Kubade Ku. Vedanti Polkat Kartik Dhande Prasad Khadse Bhavika Jain	Smart Urban Parking using IOT	12th National Conference “ Recent Advances in Computer Engineering (RACE) 2025 ”	Conference		

	Dr.A.S Manekar		organized by Wadia College Of Engineering Pune ICRAIC2IT- 2025 (indexed in Scopus)			
5	Pavan Gautam Priya Agrawal Nikita Warade Atharva Harsulkar	Survey on Chronic Kidney Disease Detection and Survival Predication Using Ensemble Approach	IJSRST ISSN:2395-6011 Volume 12 Issue 8	Journal	Peer- Reviewed	https://ijsrst.com/home/issue/view/article.php?id=IJSRST2512823
6.	Pavan Gautam Priya Agrawal Nikita Warade Atharva Harsulkar	Ensemble -Based Identification of Chronic Kidney Disease	International Journal of Science,Engineering and Technology ISSN 2348-4098	Journal	Peer- Reviewed	https://www.ijset.in/wp-content/uploads/ijset-icaimes-2025-109.pdf
7.	Omkar Dalal Vaishnavi Bansole Nikhil Khandare Prof.P.V Kale	Advancements In Automated Subjective Answer Evaluation: A Review Of Machine Learning And NLP Techniques	International Research Journal of Modernization in Engineering Technology and Science ISSN: 2582-5208 Volume:07/Issue:03/Ma rch-2025	Journal	Peer- Reviewed	https://www.irjmets.com/uploadedfiles/paper/issue_3_march_2025/70929/final/fin_irjmets1743657859.pdf
8.	Omkar Dalal Vaishnavi Bansole Nikhil Khandare Prof.P.V Kale	Enhancing Educational Assessment: An Automate System Leveraging NLP and Deep Learning	IJARST ISSN 2581-9429 Volume 5,Issue:12 April-2025	Journal	Peer- Reviewed	https://www.ijarsct.co.in/Paper25943.pdf
9.	Shivani Jangle Divya Hutke Tanmay Hiwanj Ayush Kahar	AI Powered Glasses for Visually Impaired People Using Object Detection	IJSREM ISSN:2582-3930 Volume:09 Issue:04 April 2025	Journal	Peer- Reviewed	https://ijsrem.com/download/ai-powered-glasses-for-visually-impaired-people-using-object-detection/
10.	Shivani Jangle Divya Hutke Tanmay Hiwanj Ayush Kahar	AI Powered Assistive Glasses:Revolutionizing Accessibility for the Visually Impaired	IRJET ISSN: 2395-0056 Volume:10 Issue: 02 April 2025	Journal	Peer- Reviewed	

11.	Krushnaraj Jadhav Sarathak Raut Rushadi Gaidhane Vedant Purohit	Real Time Employee Attendance Monitoring and Payroll Automation Using Web Technology	IJMETS ISSN: 2582-5208 Volume:07 Issue:04 April 2025	Journal	Peer- Reviewed	https://www.irjmets.com/uploadedfiles/paper/issue_4_april_2025/72309/final/fin_irjmets1744380111.pdf
12.	Krushnaraj Jadhav Sarathak Raut Rushadi Gaidhane Vedant Purohit	Face Recognition in Employee Attendance System: A survey	IRJMETS ISSN: 2582-5208 Volume:07 Issue:04 April 2025	Journal	Peer- Reviewed	https://www.irjmets.com/uploadedfiles/paper/issue_4_april_2025/71980/final/fin_irjmets1744262792.pdf
13.	Bhakti Jasani Divya Thanvi Anuj Mal Krishna Bhise Prof.Faizan I Khandwani	FuriWeb: A Smart E-Commerce Platform	JETIR ISSN:2349-5162 Volumn:12 Issue3 ,March 2025	Journal	Peer- Reviewed	https://www.jetir.org/papers/JETIR2503835.pdf
14.	Ishwari Nikam Meghana Uike Vivek Karale Rohit Chauhan Prof.Faizan I Khandwani	Tech Driven Implementation of Web Based System For Sustainable Food Waste Management	IRJMETS ISSN: 2582-5208 Volume:07 Issue:04 April 2025	Journal	Peer- Reviewed	
15.	Dr.S.D Padiya Dipti Meghare Janhavi Bire Manish Maske Sanket Vinchankar	Analysis of Recommendation System Using Machine Learning for Alumni Connect Web Portal	1 st International Conference in Engineering and Sciences-2025 organised by Bharti Vidyapeeth's COE, Pune	Conference	ISTE & IETE Sponsored	
16.	Dr.S.D Padiya Dipti Meghare Janhavi Bire Manish Maske Sanket Vinchankar	Alumni Connect:An AI-Powered Recommendation System for Government Exam Preparation and Career Guidance	1 st International Conference in Engineering and Sciences-2025 organised by Bharti Vidyapeeth's COE, Pune	Conference	ISTE & IETE Sponsored	
17.	Dr.S.D Padiya Vaishnavi Kaware Gauri Sambare Ishwar Sharma	An Automated Waiting Time Prediction System Using IOT with ML	1 st International Conference in Engineering and Sciences-2025	Conference	ISTE & IETE Sponsored	

	Prathamesh Tarde		organised by Bharti Vidyapeeth's COE, Pune			
18.	Dr. S. D Padiya Vaishnavi Kaware Gauri Sambare Ishwar Sharma Prathamesh Tarde	Analysis of Object Detection Mechanism and Prediction System	1 st International Conference in Engineering and Sciences-2025 organised by Bharti Vidyapeeth's COE, Pune	Conference	ISTE & IETE Sponsored	
19.	Prof.S.S Muddalkar Aditiya Chavan Nisha Sharma Samruddhi Tambatkar Atharva Kathole	GLAMIFY:AI and ML Base Personalized Recommendation System with Real Time 3D Try On	IRJMETS ISSN: 2582-5208 Volume:07 Issue:04 April 2025	Journal	Peer-Reviewed	https://www.irjmets.com/paperdetail.php?paperId=cf930f8f2d7c2f77fe96af4e868f4e4d
20.	Prach Gaikwad Tanvee Jawanjal Tanmay Munot Tejas Bhusari Prof.S.S Muddalkar	Intelligent Waste Management :Leveraging AI,IOT and Deep Learning For Sustainability	IRJMETS ISSN: 2582-5208 Volume:07 Issue:03 April 2025	Journal	Peer-Reviewed	https://www.irjmets.com/uploadedfiles/paper//issue_3_march_2025/71206/final/fin_irjmet s1743658260.pdf
21.	Prach Gaikwad Tanvee Jawanjal Tanmay Munot Tejas Bhusari Prof.S.S Muddalkar	AI Based Waste Engagement System Using Image Recognition and Community Engagement	IJAR SCT ISSN:2581-9429 Volume 5,Issue11,April 2025	Journal	Peer-Reviewed	https://www.ijarsct.co.in/Paper25899.pdf
22.	Tejaswini Bhagat Shreyash Dubey Ambika Patil Sarathak Bhoyar Prof.P.P Bute	Revolutionizing Alzheimer;s Detection with Convolutional Neural Networks and Natural Language Processing	IRJMETS Volume:07 Issue:04 April2025	Journal	Peer-Reviewed	www.irjmets.com/uploadedfiles/paper//issue_4_april_2025/73900/final/fin_irjmets1745866446.pdf
23.	Tejaswini Bhagat Shreyash Dubey Ambika Patil Sarathak Bhoyar Prof.P.P Bute	Early Detection of Alzheimer's Disease Using Convolutional Neural Networks and Natural Language Processing	SSGM Journal of Science and Engineering	Journal	Print Journal	
24.	Prathamesh Mahalle Samarth Dike Himali Patil Prof.Ms.P.P Bute	Enhancing Real Estate Price Prediction: A Fuzzy Partition-Driven Genetic Algorithm Approach Using Machine Learning and Artificial Intelligence	IRJMETS Volume:07 Issue:04 April 2025	Journal	Peer-Reviewed	https://www.irjmets.com/uploadedfiles/paper//issue_4_april_2025/73353/final/fin_irjmets1746276987.pdf

25	Prathamesh Mahalle Samarth Dike Himali Patil Prof.Ms.P.P Bute	A Survey on Real Estate Price Prediction Using Fuzzy Partition Driven Genetic Algorithm Using Machine Learning and Artificial Intelligence	IRJMETS Volume:07 Issue:04 April 2025	Journal	Peer-Reviewed	
26	Isha Wagh Suraj Zagare Bobby Choudhary Anushka Sontakke	Survey on Sentimental Analysis Technique for E-Commerce Customer Reviews	IJSRST ISSN:2395-602X Volume 12, Issue 8, MaRCH-April2022	Journal	Peer-Reviewed	https://ijsrst.com/paper/13659.pdf
27.	Isha Wagh Suraj Zagare Bobby Choudhary Anushka Sontakke Prof.Mrs.S.N Khandare	Sentimental Analysis of E-Commerce Product Reviews	SSGM Journal of Science and Engineering	Journal	Print Journal	
28	Apurva Masne Rutuja Pawar Rutvik Kharche Shreyash Meshram	Exploring OpenCV in Gesture-Controlled Digital Art Application: A Review	IJSRST ISSN:2395-602X Volume 12, Issue 8, MaRCH-April2022	Journal	Peer Reviewed	https://ijsrst.com/paper/13643.pdf
29	Apurva Masne Rutuja Pawar Rutvik Kharche Shreyash Meshram	Air Draw Application using Open CV	Goyal Journal ISSN 0017-2715 Volume 18, Issue 03 March 2025	Journal	Peer Reviewed	https://drive.google.com/file/d/1qr9uJseaAuANFeU2u3havHW9HV_IjtS/view
30	Atharva Kasar Snehal Holey Aditya Ranmale Vasudha Kavishwar	Ecotech: A location Based Website For E Waste Management and Recycling	IRJMETS Volume:07 Issue 04 April 2025	Journal	Peer Reviewed	https://www.irjmetts.com/uploadedfiles/paper/issue_4_april_2025/73220/final/fin_irjmetts1745984833.pdf
31	Sakshi Huse Rohini Makode Tejas Wankhade Tejas Nachane	Real -Time ISL Recognition Using CNN and MediaPipe	IJFMR ISSN:2582-2160	Journal	Peer Reviewed	
32	Sakshi Huse Rohini Makode Tejas Wankhade Tejas Nachane	Indian Sign Lanuage Recognition Using CNN and Mediapipe	SSGM Journal of Science and Engineering	Journal	Print Journal	
33	Gaurav Bhaisare Tushar Fuse Pratik Chopade Prof.F.I Khandwani	A Survey on Blockchain Secured Document Verification	IRJMETS Volume:07 Issue 04 April 2025	Journal	Peer Reviewed	www.irjmetts.com/uploadedfiles/paper/issue_4_april_2025/73088/final/fin_irjmetts1745131409.p

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34	Gaurav Bhaisare Tushar Fuse Pratik Chopade Prof.F.I Khandwani	VERIDOC: Blockchain Secured Document Verification	IRJMETS Volume:07 Issue 04 April 2025	Journal	Peer Reviewed	https://www.irjmets.com/uploadedfiles/paper//issue_4_april_2025/74725/final/fin_irjmets1746586604.pdf