



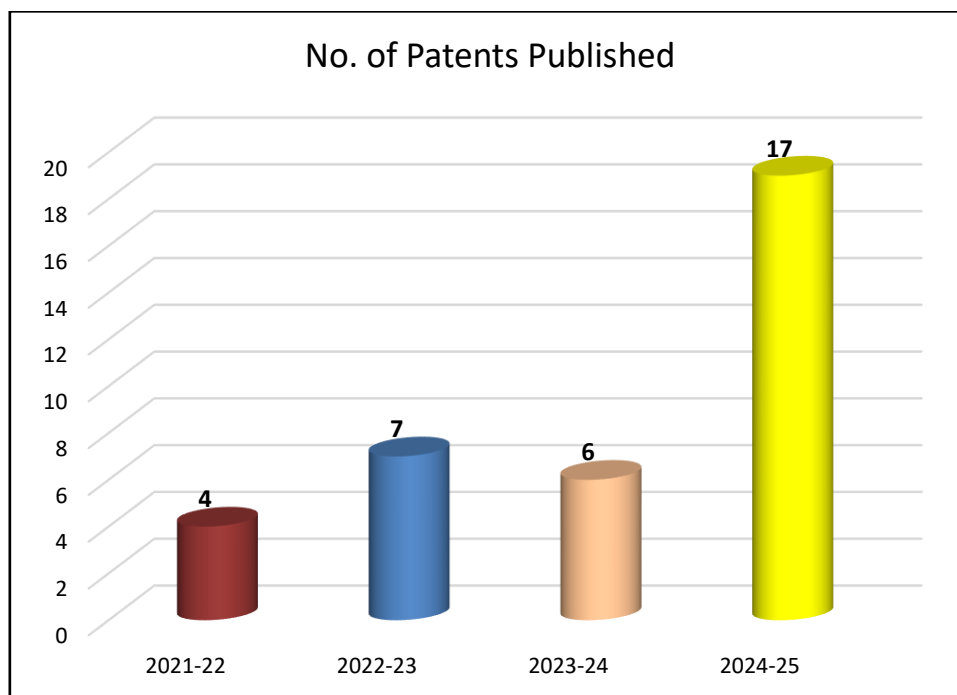
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**TATHAWADE, PUNE-33**  
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## Department of Information Technology

### Summary of Patents

Sr. No.	Year	No. of Patent Published	No. of Patent Grants	Total
1	2021-22	02	02	04
2	2022-23	07	00	07
3	2023-24	05	01	06
4	2024-25	13	04	17





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**Department of Information Technology**

**Patent details (AY 2021-2022)**

Sr.No.	Faculty Name	Name	Application No.	Filed Date	Patent Published Date/Granted Date (DD/MM/YY)	Remark Filed/Published/Granted
1	A. J. Jadhav	Key Tracker using GPS	201621001943	16/01/2016	19/06/2021	Granted
2	S.M. Chaware	A System and Method for Joint Encoding and Encryption Using LDPC and Chaotic Security	AU2021103993	08/07/2021	09/07/2021	Granted
3	S.M. Chaware	Traffic Density Detection: IR based Traffic Density Detection and Automatic Signal Adjustment using IoT based Notification System	202121035703	07/08/2021	03/12/2021	Published
4	M. S. Bembde	Web Server for text to speech conversion	202221005289	31/01/2022	08/04/2022	Published

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**Patent details (AY 2022-23)**

Sr.No.	Faculty Name	Name	Application No.	Filed Date	Patent Published Date/Granted Date (DD/MM/YY)	Remark Filed/Published/Granted
1.	M. S. Bembde	The Heart Disease Prediction Using Technique Of Classification In Machine Learning Using The Concepts Of Data Mining	202211073508	19/12/2022	03/01/2023	Published
2.	S. M. Chaware	Video Content Detection-based System to Sace Stray Animals	202321009301	13/02/2023	31/03/2023	Published
3.	S. P. Rangadale	BCHMS-System and method for a block chain-based health monitoring system patent	202321012914	25/02/2023	19/03/23	Published
4.	N. M. Ranjan	Wild Life Quiverer with LOCO pilot alert system for railways	202311027009	15/06/2023	02/06/2023	Published
5.	N. M. Ranjan	Foster Dog protection collar	202311033316	11/05/2023	23/06/2023	Published
6.	S. P. Rangdale	Artificial Intelligence And Machine Learning Based System For Safety Management Aspects	2023/03134	07/3/2023	--	Filed
7.	D. H. Patil	Driver Sleep Detection System for Vehicle Safety	202321041202	16/06/2023	--	Filed

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**Patent details (AY 2023-24)**

Sr.No.	Faculty Name	Name	Application No.	Filed Date	Patent Published Date/Granted Date (DD/MM/YY)	Remark Filed/Published/Granted
1.	Dr. Pallavi M. Tekade	Smart Storage Container to Protect Cotton Harvest	401791-001	09/12/2023	09/12/2023	Published
2.	Dr. Pallavi M. Tekade	Delivery Ai-Robotic	406402-001	02/02/2024	02/02/2024	Published
3.	Prof. Rupali Umbare	Intelligent Resource Allocation in IoT Networks Using Machine Learning	202321085 177 A	13/12/2023	12/01/2024	Published
4.	Prof. Rupali Umbare	Ai Based Device for Microarray Gene Profile Analysis	6373799	01 March 2024	24 June 2024	Granted (01 July 2024)
5	Prof. A. J. Jadhav	Revolutionizing Solid Waste Management with a Deep-Learning Powered Robot	202321045 512	06/07/2023	--	Filed
6	Dr. Dipmala Salunke	SafeSphere: Protecting Women's Safety through IoT based Model	202321056 091	22/08/2023	--	Filed

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**Patent details (AY 2024-25)**

Sr. No.	Faculty Name/Applicant Name	Name	Application No.	Filed Date	Patent Published Date/Granted Date (DD/MM/YY)	Remark Filed/Published/Granted
1.	Nihar M. Ranjan	Foster Dog Protection Collar	202311033316	11/05/2023	23/06/2023	Grant (16/08/2024)
2.	D. H. Patil	Driver Sleep Detection System For Vehicle Safety	202321041202	16/06/2023	20/12/2024	Published
3.	Prof. A. J. Jadhav	Revolutionizing Solid Waste Management With A Deep-Learning Powered Robot	202321045512	06/07/2023	--	Published
4.	Dipmala Salunke	Artificial Intelligence Based Brain Tumor Detection Device	428202-001	26/08/2024	01/12/2024	Design Grant
5.	Rupali Umbare	AI Based Computer For A Holistic Data Governance Framework	6407605	27 November 2024	16 December 2024	Design Grant
6.	Rupali Umbare	AI Based Device For Microarray Gene Profile Analysis	6373799	24 June 2024	01 July 2024	Published
7.	Rupali Umbare	Artificial Intelligence-Based Medical Testing Equipment For Cancer Classification Using Gene Profiles	6391398	17 September 2024	13 December 2024	Design Grant
8.	S.A. Adhav	Ai And Computer Vision Based Video Surveillance Camera	427702-001	23/07/2023	18/10/2024	Published
9.	Jayesh M. Sarwade	IoT Based Bulb	420850-001	21/06/2024	28/02/2025	Published
10.	Dr. Sonali Rangdale	Automated And AI Based Removal Of Aquatic Plants, Specifically Designed For The Autonomous Harvesting Of Water Hyacinth	202521005379	14/02/2025	22/01/2025	Published
11.	Dr. Sonali Rangdale	IoT Based Bulb	420850-001	21/06/2024	21/02/2025	Published

12.	Nihar Ranjan	Automated And AI Based Removal Of Aquatic Plants, Specifically Designed For The Autonomous Harvesting Of Water Hyacinth	202521005379	14/02/2025	22/01/2025	Published
13.	Jayesh M. Sarwade	Iot Based Biometric	420855-001	21/06/2024	30/08/2024	Published
14.	Dr. Dipmala Salunke	Automated And AI Based Removal Of Aquatic Plants, Specifically Designed For The Autonomous Harvesting Of Water Hyacinth	202521005379	14/02/2025	22/01/2025	Published
15.	Nihar Ranjan	Driver Sleep Detection System For Vehicle Safety	202321041202	23/3/2023	20th Dec 2024	Published
16.	Dr. Dipmala Salunke	Safesphere: Protecting Women's Safety Through Iot Based Model	202321056091	22/08/2023	28/02/2025	Published
17.	Savita Adhav	Lock Secure Ledger: Blockchain-Powered Hardware Wallet	202541004238	18/01/2025	24/01/2025	Published
18.	Jayesh M. Sarwade	Smart Watch	420846-001	21/06/2024	01/04/2025	Published
19.	Jayesh M. Sarwade	Iot Based Switch Board	420848-001	21/06/2024	02/08/2024	Published

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