



**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering & Research Ravet, Pune
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Summary of Patent

Department - Information Technology

Sr No	Academic Year	Count of Patent
1	2025-26	3
2	2024-25	4

List of Patents

Unique ID	Academic Year	IP Type	Title of Invention/Work	Inventor(s)	Department	Application Number	Publication Number
IN-0029	2025-26	Design Patent	Decision Support System for Precision Agriculture	1. Dr. Shivganga Vishal Gavhane 2. Ketaki S. Chinchane 3. Priyadarshani Doke 4. Swati Rajput 5. Pallavi Yevale 6. Priyanka Pravin Patil 7. Shrutika A. Menkudale 8. Divya K. Punwantwar 9. Shilpa A Pandey 10. Ms. Rupali S. Shishupal	Information Technology	466158-001	NA
IN-0030	2025-26	Design Patent	IOT BASED OIL REPLACEMENT PUMP FOR IC ENGINE	Nalini Santosh Jagtap	Information Technology	NA	473335-001
IN-0031	2025-26	Design Patent	An Intelligent Deep Learning Compression System for Energy-Constrained Devices Using Dynamic Weight Pruning and Low-Bit Quantization	Dr. Govind Rangnath Suryawanshi , Dr. Santoshkumar V. Chobe, Dr Swati Nikam, Dr. Nalini S Jagtap	Information Technology	202621052531	NA
IN-0262	2024-25	Utility Patent	Real-time Multilingual Communication System Through Neural Network Language Translation	Dr. Vijay Arun Kotkar,Dr. Santoshkumar Vaman Chobe, Dr.Archana Ajit Chaugule, Dr. Govind Rangnath Suryawanshi	Information Technology	202421011253	NA
IN-0364	2024-25	Design Patent	ML BASED MOUTH CANCER DETECTION DEVICE	Dr Priyanka Patil	Information Technology	433401-001	NA
IN-0368	2024-25	Utility Patent	An Artificial Intelligence and Machine Learning Based System for Monitoring of Electricity Theft	Mrs. Shilpa A Pandey	Information Technology	NA	NA
IN-0369	2024-25	Utility Patent	"A CNN BASED SOLAR POWER SYSTEM FOR FORECASTING OF POWER	Mrs. Shilpa A Pandey	Information Technology	NA	NA



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Summary of Copyright

Department - Information Technology

Sr No	Academic Year	Count of Copyright
1	2025-26	6
2	2024-25	12

List of Copyrights

Unique ID	Academic Year	Title of Work	Author(s) / Creator(s)	Department	Co-Applicant(s)	Creation Date	Application Number	Application Date	Diary Number	Registration Number	Status
CR-2025-003	2025-26	AI-Driven Intelligent Learning Management System with Proactive Academic Analytics and Retrieval-Augmented Adaptive Tutoring	Dr. Priyaka Patil	Information Technology	SANIYA MOMIN SAYALI METKAR ATHARVA SHILIMKAR SHUBHAM TODKAR	23/03/2026	LD-13284/ 2026-CO	23/03/2026	LD-13284/ 2026-CO	LD-13284/2 026-CO	Filed
CR-2025-006	2025-26	Codesmarter AI : An Intelligent Code Editor with Built-In Chat Collaboration	Ms. Divya K Punwantwar	Information Technology	Mrs. Shilpa A Pandey, Ms. Rupali Shishupal, Ayush Hinge	27/04/2026	LD-19963/ 2026-CO	27/04/2026	LD-19963/ 2026-CO	LD-19963/2 026-CO	Filed
CR-2025-007	2025-26	Football Player Position Prediction	Nalini Santosh Jagtap	Information Technology	-	-	-	-	-	35993/2024 -CO/L	Registered
CR-2025-008	2025-26	Multimodal Audio-Visual Deepfake Detection using Attention-Guided RNN Fusion	Ms. Rupali Shishupal	Information Technology	Ms. Divya K. Punwantwar, Mrs. Shilpa A. Pandey, Mr. Ayush Kudale	27/04/2026	LD-20084/ 2026-CO	27/04/2026	LD-20084/ 2026-CO	LD-20084/2 026-CO	Filed
CR-2025-009	2025-26	UnmuteAI - An AI Powered Platform for Real-Time Speech and Sign Language Translation	Mrs. Shilpa A Pandey	Information Technology	Ms. Rupali Shishupal, Ms. Divya Punwantwar , Atharv Satpute	27/04/2027	LD-19985/ 2026-CO	27/04/2027	LD-19985/ 2026-CO	LD-19985/2 026-CO	Filed
CR-2025-342	2025-26	Multimodal Respiratory Rate Estimation	Divya K. Punwantwar	Information Technology	Divya K. Punwantwar	-	-	-	11070/202 5-CO/L	LD-202501 67010	Registered
CR-2025-309	2024-25	Exceptional Healthcare Research Records on Decentralized Blockchain	Hemlata Gaikwad	Information Technology	-	-	-	13/06/2023	15621/202 3-CO/L	L-133255/2 023	Registered
CR-2025-310	2024-25	Tourism Web Portal	Hemlata Gaikwad	Information Technology	-	-	-	12/06/2023	15588/202 3-CO/L	L-131562/2 023	Registered
CR-2025-312	2024-25	Cardiovascular Disease Identification and Risk Assessment Using Machine Learning Approach: kNN and Decision Tree	Dr. Santoshkumar Vaman Chobe	Information Technology	-	-	-	-	-	L-104212/2 021	Registered
CR-2025-313	2024-25	Framework for Criminal Detection System	Dr. Santoshkumar Vaman Chobe	Information Technology	-	-	-	-	-	L-104956/2 021	Registered
CR-2025-314	2024-25	Optimization of Data Extraction from Dynamic Web Pages	Dr. Santoshkumar Vaman Chobe	Information Technology	-	-	-	-	9355/2024- CO/L	L-149101/2 024	Registered
CR-2025-315	2024-25	Predictive model for college admissions based on MHT CET scores and category	Dr Nalini Santosh Jagtap	Information Technology	-	-	-	-	-	L-146883/2 024	Registered
CR-2025-316	2024-25	Streamlining HR operations with LLM based application	Dr Nalini Santosh Jagtap	Information Technology	-	-	-	-	-	L-146042/2 024	Registered

CR-2025-322	2024-25	Energy Optimized Cloud Scheduling	Dr. Santoshkumar Vaman Chobe	Information Technology	-	-	-	25/3/25	10893/2025-CO/L	LD-20250166830	Registered
CR-2025-337	2024-25	Plant Disease Classification Using Machine Learning	Divya K. Punwantwar	Information Technology	-	-	-	25/3/25	11007/2025-CO/L	LD-20250166944	Registered
CR-2025-347	2024-25	Virtual Reality and Augmented Reality Based Museum	Rupali S. Shishupal	Information Technology	-	-	-	25/3/25	11018/2025-CO/L		Registered
CR-2025-349	2024-25	Hierarchical Cross-Modality Interaction for Visual-Textual Sentiment Analysis	Rupali S. Shishupal	Information Technology	-	-	-	25/3/25	11056/2025-CO/L		Registered
CR-2025-357	2024-25	Adaptive text input Sequential Decision in Inline Autocomplete	Shilpa A. Pandey	Information Technology	-	-	-	25/3/25	11065/2025-CO/L	LD-20250166963	Registered