

## List of Patents Published

Sr. No.	Type of Patent (Utility/Design)	National /International	Title of Patent/Design	Name of Inventor/s	Application Number	Date of Filing	Date of Publication	Date of Grant	Status (Filed/Published/Registered/Granted)
<b>CAY 2024-25</b>									
1	Utility	Indian	A PORTABLE DEVICE, A SYSTEM AND A METHOD FOR DETECTING POTHOLES AND MONITORING ROAD CONDITIONS	Pimpri Chinchwad College Of Engineering <b>K. Rajeswari</b> N. Vivekanandan <b>Sushma Vispute</b> Om Bidve Aditi Sambare Hishita Thakkar Omkar Salapurkar	202421044467	08/06/2024	6/9/2024		<b>Published</b>
2	Utility	Indian	SYSTEM AND METHOD FOR LIVENESS DETECTION BASED BIOMETRIC AUTHENTICATION	Pimpri Chinchwad College of Engineering <b>Dr. Sudeep D. Thepade</b> Yash Waghmare Lomesh Wagh Disha Magar Bhumika Patil	202421043913	06/06/2024	6/9/2024		<b>Published</b>
3	Utility	Indian	SYSTEM AND METHOD FOR UTILIZING DIGITAL FOOTPRINTS OF A USER TO GENERATE CONVERSATIONAL AI THEREOF	Pimpri Chinchwad College Of Engineering Dipesh Walte <b>Archana Kadam</b> Raj Firke Om kolte Omkar Bhale Ankita Nandy	202421048008	22/06/2024	19/07/2024		<b>Published</b>
4	Utility	Indian	Recommendation and Intent Reconciliation in a Virtual Leader framework	Dipesh Ramdas Walte, <b>Ms. Ashwini Matange</b> , Wafiya Mulla, Unnati Vaidya, Pranav Utage	202521025963	21/03/2025	04/04/2025		<b>Published</b>
5	Utility	Indian	A V-Lancing framework for Highest Utilization of Human Resource Potential in Virtual Leader framework	Dipesh Ramdas Walte, <b>Dr. Madhura Kalbhor</b> , Satyam Mirgane, Aditi Pawar, Sejal Rahane, Shradha Yeole	202521025926	21/03/2025	04/04/2025		<b>Published</b>
6	Utility	Indian	Architectural Innovations in AI-Driven Automation: From Natural Language Prompts to Local Task Execution	Dipesh Ramdas Walte, <b>Dr. Sonali Patil</b> , Kriti Verma, Tejas vajj, Vikas Verma,Azam Usmani	202521032780	02/04/2025	18/04/2025		<b>Published</b>
7	Utility	Indian	Leveraging your Network through AI and NLP	Dipesh Ramdas Walte, <b>Mrs.Namrata Gawande</b> , Shantanu Rankhambe , Rohit Raut, Yash Saravane,Bhuvnesh Seth	202521025778	21/03/2025	04/04/2025		<b>Published</b>

8	Utility	Indian	High Impact Connect Graph Generation and Connect Recommendations using Omni Dimensional data, SLMs and LLMs.	Dipesh Ramdas Walte, <b>Swati Shinde PCCOE</b> , Madhura Abnave, Atharv Chougule, Vishakha Deshpande, Pratiksha Darekar	202521026160	21/03/2025	04/04/2025		<b>Published</b>
9	Utility	Indian	Creation of Proctored Programming Knowledge Maps	Dipesh Ramdas Walte, <b>Mrs. Archana Kadam</b> ,Lubhavan Burghate , Tejas Bhame, Vinit Chaudhari, Varad Deshmukh	202521032869	01/04/2025	18/04/2025		<b>Published</b>
<b>CAYm1 2023-24</b>									
1	Utility	Indian	AUTONOMOUS AGRIBOT FOR WEEDING PURPOSE	N. Vivekanandan Om Anant Kulkarni Sameer Atul Patil Sanket Atul Patil Rohit Shivaji Patil <b>K. Rajeswari</b> Utkarsha Chinchore	202321032646	9/5/2023	15/09/2023	23/07/2024	<b>Granted</b>
2	Utility	Indian	SMART PESTICIDE SPRAYING SYSTEM	<b>Dr.Pravin S. Game</b> , Yash Bhople, Dr.Anuradha Thakare, Harsh Baheti, Om Dodmani, Sudarshan Darekar	202321032297	19/4/2023	15/09/2023	28/01/2025	<b>Granted</b>
3	Design	Indian	DEPRESSION DETECTION DEVICE	Maya Rathore <b>Chhaya Nayak</b> Pooja Rajendra Pawale Navnath Dattatray Bhosale Priya Sharma <b>Aparna Joshi</b>	402926-001	22/12/2023	23/02/2024	21-02-2024	<b>Granted</b>
4	Design	Indian	AI BASED ROBOT FOR DETERMINING CROP YIELD	Anirudha Mangore Shailesh Bendale <b>Avinash Bhute</b> Geeta Navale Gajanan Chavan Ashwini Navghane Vaishali Mishra Madhuri Karnik Vidhya Gaikwad	397932-001	18-10-2023	15-12-2023	14/12/2023	<b>Granted</b>
5	Design	Indian	A DEVICE FOR DIAGNOSIS OF CERVICAL CANCER	<b>Madhura Kalbhor</b> <b>Swati Shinde</b> <b>PCCoE</b>	395137-001	14/09/2023	9/2/2024	09/02/2024	<b>Granted</b>
6	Design	Indian	SHOPPING TROLLEY	<b>Amol Dhumane</b> Kirti Wanjale Abhijit chitre Tushar Jadhav Sheela Hundekari Ketan Raut	386467-001	17/05/2023	31/08/2023	31/08/2023	<b>Granted</b>

				<b>Shrinivas Ambala</b> Pravin Gawande <b>Mubin Tamboli</b>					
7	Utility	Indian	AN IOT BASED CERVICAL CANCER SCREENING DEVICE	Dr. Anita G. Khandizod <b>Dr. Aparna Joshi</b> Dr. Vijaykumar S. Bidve Dr. Rupali Bagate Dr. Priyanka Prakash Shinde Dr. Varsha Prashant Desai Suranjana Mukherjee Prof. Rohit Vasant Raskar Dr. Pratibha Vijay Jadhav Dr. Rupali Atul Mahajan Dr. Sriparna Banerjee	202421003357	17/01/2024	23/02/2024		<b>Published</b>
8	Utility	Indian	MACHINE LEARNING BASED APPROACH FOR ANALYZING THE SOCIAL MEDIA DATA USING GEO-AWARE MODEL ALONG WITH TRACKING OF GEOGRAPHICAL LOCATIONS	<b>Dr. Aparna Joshi</b> P. Naresh Dr. Yadaiah Balagoni R. Geetha Dr. T. Venkata Naga Jayadu D. K. Shareef	202421009128	11/02/2024	15/03/2024		<b>Published</b>
9	Utility	Indian	PLASTIC TRASH DETECTION SYSTEM FOR MARINE ENVIRONMENT AND A METHOD THEREOF	Pimpri Chinchwad College of Engineering <b>Dr. Deepa Abin</b> Sarang Deo Sunny Gunjwate Harsh Borse Susmit Garudkar	202421037637	13/05/2024	14/06/2024		<b>Published</b>
10	Utility	Indian	INNOVATION ZONES FOR A MOBILE APPLICATION THAT USES BLOCKCHAIN AND CYBERSECURITY TO FIND IDENTIFY MI	U. Surya <b>Satpalsing Devising Rajput</b> Golla Naresh Kumar G. Sundar P. Patchaiammal Sheshang Degadwala Soumi Dutta R. Thiagarajan	202341038750	06/06/2023	01/09/2023		<b>Published</b>
11	Utility	Indian	SMART SURVEILLANCE SYSTEM FOR SUPERMARKETS USING DEEP LEARNING	<b>Archana Kadam</b> , Vedant Chaudhari, Shamik Ghadge, Shrutika Ambre, Akshay Shinde	202321032293	19/4/2023	15/09/2023		<b>Published</b>
12	Utility	Indian	SMART HEALTHCARE DAPP USING BLOCKCHAIN	<b>Dr. Reena Kharat</b> , Sameet Pathan, Jayraj Magar, Omkar Bhor, Poonam Patil, <b>K.Rajeswari</b> , <b>Sushma Vispute</b> , N.Vivekanandan	202321032295	19/4/2023	15/09/2023		<b>Published</b>
13	Utility	Indian	PASSWORDLESS AUTHENTICATION USING BIOMETRIC TECHNOLOGY	<b>Anagha Chaudhari</b> , Adesh Pawar, Ashish Pawar, Ajay Pawar	202321032175	19/4/2023	15/09/2023		<b>Published</b>

14	Utility	Indian	DYNAMIC AUTOMOBILE TRAFFIC MANAGEMENT SYSTEM	Aditya Yadav, Prathamesh Bhagat, Harsh Mankar, Shubham Raut, <b>Deepa Abin</b>	202321032287	19/4/2023	15/09/2023		<b>Published</b>
15	Utility	Indian	CUSTOM SIGN LANGUAGE RECOGNITION	<b>Dr. Sunil D. Kale</b> , Prince Gangurde, Purnima Chandan, Smita Bhalerao, Vaibhavi Jangam	202321032294	19/4/2023	15/09/2023		<b>Published</b>
16	Utility	Indian	AN EFFICIENT RETRIEVAL OF GENERIC MEDICINE SUBSTITUTES FOR BRANDED MEDICINE USING OPTIMIZED RULE-BASED CLUSTERING APPROACH	<b>Dr. K. Rajeswari</b> , Dr N.Vivekanandan, Ajinkya Vishnu Jiman	202321032290	19/4/2023	15/09/2023		<b>Published</b>
17	Utility	Indian	A WEB ARCHITECTURE FOR STORAGE OPTIMIZATION IN DOODLE ART IMAGE-BASED WEB APPLICATION DATABASES USING GENERATIVE ADVERSARIAL NETWORKS	<b>Dr. Swati Shinde</b> , Aditya Deo, Tejas Borde, Suraj Dhamak, Shreyas Dungarwal	202321032286	19/4/2023	15/09/2023		<b>Published</b>
18	Utility	Indian	EMOTION RHYTHM: AN IOT ENABLED DEVICE FOR MULTIMODAL EMOTION ACQUISITION & RECOGNITION OF WOMEN CANCER SURVIVORS	Anuradha Thakare, <b>Swati Chandurkar</b>	202321032288	19/4/2023	15/09/2023		<b>Published</b>

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1	Design	Indian	SHOPPING TROLLEY	<b>Amol Dhumane</b> Kirti Wanjale Abhijit chitre Tushar Jadhav Sheela Hundekari Ketan Raut <b>Shrinivas Ambala</b> Pravin Gawande <b>Mubin Tamboli</b> Minal Deshmukh	386467-001	17/05/2023	31/08/2023	31/08/2023	<b>Granted</b>
2		German	AN INTELLIGENT IOT-BASED AUTOMATION SYSTEM TO INCREASE SECURITY IN THE INTELLIGENT VEHICLE	<b>Dr.Reena Kharat</b> , <b>Swati Chandurkar</b> Shailaja Pede <b>Archana Kadam</b> <b>Smita Khairnar</b>	20 2022 102 522.3	27-06-2022	04/08/2022	03/11/2022	<b>Granted</b>
3		German	A SYSTEM FOR THE SECURE ANALYSIS OF LARGE DATA IN HEALTHCARE USING THE CONSORTIUM BLOCKCHAIN	<b>Dr.Reena Kharat</b> , <b>Swati Chandurkar</b> , Shailaja Pede, <b>Archana Kadam</b> , <b>Smita Khairnar</b>	20 2022 102 523.1	11/07/2022	11/07/2022	03/11/2022	<b>Granted</b>

4	Utility	South Africa	A RAPID BOOK ACCESS DEVICE	<b>Anagha Chaudhari</b> Roshani Raut Anuja Jadhav Sonali Patil Rutvij Jhaveri <b>Swati Jaiswal</b> Kavita Suryavanshi Deepak Mane	2022/04127	12/04/2022	16/09/2022	28/09/2022	<b>Granted</b>
5	Utility	German	AUTOMATIC SYSTEM FOR WHITEBOARDS	<b>Anagha Chaudhari</b> Anuja Jadhav Rutvij Jhaveri Atul Kathole Sonali Patil Roshani Raut Kavita Suryavanshi	B43L21/00	12/08/2022	30/08/2022	9/9/2022	<b>Granted</b>
6	Design	Indian	ARTIFICIAL INTELLIGENCE-BASED BLUETOOTH SPEAKER	<b>Swati Jaiswal,</b> <b>Smita Khairnar,</b> <b>Dr.Reena Kharat,</b> Renu Kachhoria, Ambarish Gadgil, Bhagyesha Patil, Radhika Gaikwad, Avikshit Kharkar, Khush Kothari, Satya Prakash, Arya Kaslikar	380669-001	2/3/2023	26/05/2023	23/05/2023	<b>Granted</b>
7	Design	Indian	MOBILE STAND FOR DOCUMENTS	Gaurav Uday Buddhawar, Jariwala Krupa, <b>Sudeep Dilip Thepade,</b> Chiranjoy Chattopadhyay	373169-001	28/10/2022	13/01/2023	13/01/2023	<b>Granted</b>
8	Utility	Indian	A NOVEL AUTOMATIC FOCAL ELECTROENCEPHALOGRAM (EEG) SIGNALS DETECTION SYSTEM WITH MULTIREOLUTION ANALYSIS	Dr. B. Sridhar Dr. Mohan Dholvan Mrs. C.S.L Vijaya Durga Mrs. Ujwala Bhoga Dr. Mohd Abdul Khader Khan Dr. K. Riyazuddin Dr. M. Sridhar <b>Dr. Asmita Manna</b> Dr. M. Vijay Reddy Mr. Sekhar Manepalli	202241068552	29/11/2022	23/12/22		<b>Published</b>
9	Utility	Indian	DECENTRALIZING AND SECURING NETWORK COMMUNICATIONS BY EVOLVING ADVANCED BLOCKCHAIN TECHNOLOGY THROUGH SECURE-WSN	Dr. S. Vadivukkarasi Dr. Riya Sapra <b>Dr.Satpalsing Devising Rajput</b> Dr.P.Feley Judith S.Karthiyayini Dr.Sheshang Degadwala K.Naresh Kumar Thapa Dr.R.Ramkumar Ms.J.Omana	202241057753	10/10/2022	21/10/2022		<b>Published</b>

10		Indian	ARTIFICIAL INTELLIGENCE-BASED WORK IN PROCESS LIFE CYCLE IMPROVEMENT SYSTEM FOR MANUFACTURING INDUSTRIES USING ASPECT ANALYTICS	Mr. Sanjay Kumar Sonkar Dr. M. Tamilselvi S. Sujitha Mrs. R. Mahalaxmi <b>Dr. Srinivas Ambala</b> Ushanandhini K Dr. Suraya Mubeen Dr. Shiena Shekhar	202311025884	6/4/2023	19/05/2023		<b>Published</b>
11	Utility	Indian	USER OPERABLE VAGINAL INSERT (UAVI) DEVICE FOR MONITORING HEALTH OF A VAGINA OF A USER	Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering. Dr. Swati Shinde Madhura Kalbhor Aditya Ankana	202221049654	30/08/2022	16/09/2022		<b>Published</b>
12	Design	Indian	DIGITALIZATION	Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering <b>Savita Ajay Kumbhare</b> Parinitha M. Samaga Renuka Shende SarthaK Shelar	365210-001	1/6/2022	14/03/2023		<b>Published</b>
13		Indian	ANALYSIS OF URBAN TRAFFIC DATA AS ARBITRARY GRAPH STRUCTURE USING NEURAL NETWORKS	Radha Abbur Sibendu Samanta Dr. Shiju George Ms. S. Jayachitra <b>Dr. Srinivas Ambala</b> Dr. Asir Khan Dr. R. Basheer Mohamed Dr. R. Dinesh Kumar	202341028305	18/04/2023	5/5/2023		<b>Published</b>
14	Utility	Indian	IOT BASED PORTABLE HEALTH MONITORING SYSTEM USING EDGE COMPUTING	Pimpri Chinchwad College of Engineering <b>Dr. Sonal Abhijeet Gore</b> Mohit Sunil Gandhi Aniket Dhole Shrishail Kumbhar Harsh Singhal	202221028427	18/05/2022	30/07/2022		<b>Published</b>
<b>CAYm3 2021-22</b>									
1	Utility	Indian	CERVITESTER: A SMART AND PORTABLE SCREENING DEVICE FOR AI-ASSISTED AUTOMATED DIAGNOSIS OF CERVICAL CANCER IN LOW-RESOURCE SETTINGS	<b>Swati V Shinde, Madhura Kalbhor</b>	202121045164	5/10/2021	29/10/2021	29/10/2021	<b>Granted</b>
2	Utility	Indian	ARTIFICIAL INTELLIGENCE-BASED LIFETIME PREDICTION AND DEPLOYMENT STRATEGY FOR WIRELESS SENSOR NETWORK	Dr. Neeraja Koppula <b>Dr. Renu Kachhoria</b> Mr. Aditya Tandon Mrs. P.G. Akila Dr. M. Senthil Kumar Dr. T. Venkatesh Kanna Dr. J. Senthil Murugan Dr. Rakesh Kumar Mahendran	202241008530	18/02/2022	4/3/2022		<b>Published</b>

3	Utility	Indian	ARTIFICIAL INTELLIGENCE-BASED COMPUTER USERS CLASSIFICATION USING KEYSTROKE DYNAMICS DATA	Mrs. K. Durga Bhavani Mr. Om Prakash Singh Dr. P. Mahizharuvi Mr. Bal Krishna Saraswat Mr. K. M. N. Chaitanya Kumar Reddy Santwana Gudadhe <b>Shruti Chaudhari</b> Mr. Sai Sundara Sriramam Yadavalli	202241024832	27/04/2022	13/05/2022		<b>Published</b>
4	Utility	Indian	BEHAVIOR DETECTION AND ACTIVITY RECOGNITION MODEL OF PASSENGERS AND DRIVERS FOR PUBLIC VEHICLES	Dr. P. S. Ranjit <b>Dr. Asmita Manna</b> <b>Mrs. Namrata Gawande</b> <b>Prof. Shraddha Ovale</b>	202241024833	27/04/22	27/05/2022		<b>Published</b>
5	Utility	Indian	AUDIOBOOK GENERATION USING DEEPPFAKE'S LIP SYNC AND TRANSLATED TEXT-TO-SPEECH SYSTEM	<b>Dr. Swati Shinde</b> , Jayesh Shelar, Dipak Ghatole, Mayank Pachpande, Dhanashree Bhandari	202221028426	18/05/2022	17/06/2022		<b>Published</b>

