

Patents (2024-25)

S.No.	Patent Application No.	Status of Patent (Published/Granted)	Inventor(s) Name as per sequence mentioned on the patent	Title of the Patent	Applicant/s name
1	202541022226	Published	1)Ms. MD. Anees 2)Dr. T. R. Muhibur Rahman 3)Dr. M. L. M. Prasad 4)Mr. Vijay Prakash 5)Ramkumar Ramasway 6)Prof. A. R. Pradnyavant 7)Dr. S. Prakash 8)Dr. V T Krishnaprasath 9)Dr. M. Arulperumjothi 10)Syed Zahidur Rashid	Next Generation Secure IoT Fog Computing with an Integrated Blockchain Framework	Vijay Prakash
2	6425391	Published	Dr. Pallavi Goel, Dr. Pranav Shrivastava, Manoj Kumar Dixit, Vijay Prakash, Mohit Mittal, Mr. Manish Kumar Sharma	Computing Device for Enhancing Edge Computing Efficiency	Vijay Prakash
3	202541022240	Published	1)Suchita V Suryawanshi 2)Dr. K Sandhyarani Kundra 3)Dr. Bechoo Lal 4)Mrs. Shweta Anand Joshi 5)Mr. Vijay Prakash 6)Ramkumar Ramasway 7)Mrs. R. Ashwini 8)Dr. V T Krishnaprasath 9)M. Uday Raj Kumar 10)Syed Zahidur Rashid	Secure and Scalable IoT Data Analytics with Blockchain and Differential Privacy	Vijay Prakash
4	202511005231 A	Published	Prachi Gupta	A System and Method for Personalized Treatment Recommendation Using Multimodal Deep Learning with Epigenetic, Context-Aware, and Blockchain-Enabled Adaptations	1)Prachi Gupta 2)Manik Batra 3)Priyanka Saini 4)Swati Rehal 5)Mahima Shanker Pandey 6)Dr. Obaidur Rahman 7)Dr. Himanshi Puri 8)Prerna Awasthi
5	442517-001	Granted	Dr. Sachi Gupta	Machine Learning Based Apparatus For Autonomous Pest Scouting	Dr. Gaurav Agarwal, Dr. Tarun Maini, Dr. Kalpana Tilak, Dr. Sapna Sharma, Dr. Sachi Gupta
6	202541035733	Published	Ms.Jyoti Nagpal	Privacy-Preserving IOT framework for Secure Medical Data transmission In Smart Healthcare	Mr. Gopal Mishra, Mr.Anshul Johari, Mr B.Thillaiccaswaran, Dr C. Nageswari, Ms. Jyoti Nagpal, Ms.Bhanu Tomar, Mr.Harish Raj, Mr.Anil kr., Mr.P.Rajakumar, Dr.Sudheer Kumar Singh

7	202541042941	Published	1. Mrs. J. Lurdhumary 2. Dr. Rakesh Kum Joon 3. Dr. G. Silambarasan 4. Pratiksha Bhatia 5. Dr. Aman Preet 6. Manjunathan Alagarsamy 7. D. Magesh Babu	QUANTUM-ENABLED SATELLITE SYSTEM WITH DYNAMICALLY ADJUSTABLE BEAMWIDTH FOR ENHANCED TARGETING PRECISION	Dr. Aman Preet
8	.202411021171 A	Published	1.Siddik Hussain,2.Dr. Jyoti Rajput3Dr. Leena Singh 4Dr. Suneetha T. B 5. Dr. S. Brindha , 6Dr. Zeliha Selamoglu 7 Dr. .S.Suresh , 8Dr. Shubham Avinash Deshmukh , 9Jobanpreet Singh, 10Faiz Uddin ,11Kushagra Srivastava 12Dr. S. Ravichandran	ENHANCEMENT IN ELECTRICAL ENERGY EMPLOYING EXPANSION TRANSFORMER FOR ENVIRONMENTAL SUSTAINABILITY	Dr. Leena Singh
9	202411089770A	Published	Sanjeev Sharma, Lalit Kumar Gupta, Rajendra Prasad, Dr Y K Sharma, Akhilesh Kumar, Dr Ramesh Kumar verma, Dr Arvind Kumar	A MALARIA DETECTION SENSOR BASED DEVICE USING NANOCOMPOSITE LAYERS OF MATERIAL	Sanjeev Sharma
10	202411050977	Published	1 . Anil Kumar Sharma 2 . Swati Gaur 3 . Sonee Kumudnee Rajput 4 . Dr. Avinash Kumar Yadav 5 . Dr. Reenu 6 . Dr. Komal Sharma 7 . Dr. Namrata Tripath	DESIGN A MATHEMATICAL BASED MODAL FOR CURRENCY ESCROW TRANSACTIONS	1 . Anil Kumar Sharma 2 . Swati Gaur 3 . Sonee Kumudnee Rajput 4 . Dr. Avinash Kumar Yadav 5 . Dr. Reenu 6 . Dr. Komal Sharma 7 . Dr. Namrata Tripath
11	434954-001	Granted	1. Mr. Ashish Kumar 2. Dr. Pratap Kumar 3. Dr. Dushyant Kumar 4. Dr. Avinash Kumar yadav 5. Dr. Padam singh 6. Ms. Poonam Devi 7. Ms. Kamini.	ARTIFICIAL INTELLIGENCE BASED PLANT EXTRACT ANALYSING DEVICE	1. Mr. Ashish Kumar 2. Dr. Pratap Kumar 3. Dr. Dushyant Kumar 4. Dr. Avinash Kumar yadav 5. Dr. Padam singh 6. Ms. Poonam Devi 7. Ms. Kamini.
12	202511038748	Published	Sanjeev Sharma, Rajendra Prasad, Anil Kumar Sharma, Prakash Ranjan Deen, Shashi Prakash Dwivedi, Dr. Vandana Arora Sethi	A TWO-DIMENSIONAL PHOTONIC CRYSTAL BASED BIOSENSOR DEVICE FOR CHIKUNGUNYA DETECTION	Sanjeev Sharma
13	202511004307	Published	Preeti dhiman, Dr. Pinki Yadav, Dr. Md. Danish, Divya, Unnat pandey, Aryan sharma, Shweta singh, Dr. Parveen Berwal	AI empowered gradient mapping apparatus for predecting water well location	Preeti dhiman, Dr. Pinki Yadav, Dr. Md. Danish, Divya, Unnat pandey, Aryan sharma, Shweta singh, Dr. Parveen Berwal
14	202511006339	Published	Lipika Dutta,Dr. Amit Kumar Sharma,Dr. Pinki Yadav,Shubham Anand,Manu Bajpai,Akanksha Priya,Nandani Singh,Dr. Parveen Berwal	Electromagnetic Shielding apparatus for reducing copper losses in Bullet Train Electrical Systems	Lipika Dutta,Dr. Amit Kumar Sharma,Dr. Pinki Yadav,Shubham Anand,Manu Bajpai,Akanksha Priya,Nandani Singh,Dr. Parveen Berwal

15	202431093017	Published	1. Devpriya Panda 2. Dr. Neelamadhab Padhy 3. Dr. Kavita Sharma	Machine Learning-based detection for Distributed Denial of Service Attack in IoT	1. Devpriya Panda 2. Dr. Neelamadhab Padhy 3. Dr. Kavita Sharma
16	6425391	Granted	Dr. Pallavi Goel, Dr. Pranav Shrivastava, Manoj Kumar Dixit, Vijay Prakash, Mohit Mittal, Mr. Manish Kumar Sharma	Computing Device for Enhancing Edge Computing Efficiency	Dr. Pallavi Goel, Dr. Pranav Shrivastava, Manoj Kumar Dixit, Vijay Prakash, Mohit Mittal, Mr. Manish Kumar Sharma
17	202411067777	Published	Pushpa Choudhary	A system and methods for real-time detection of cyber threats using machine learning	Pushpa Choudhary
18	202411067786	Published	Pushpa Choudhary	A system and methods for distributed computing in cloud environments with fault tolerance	Pushpa Choudhary
19	458202-001	NA	Dr. Sambit Satpathy, D K SHUKLA, S ALI, M KUMAR	TESTING CONSOLE OF IOT DEVICE	Dr. Sambit Satpathy, D K SHUKLA, S ALI, M KUMAR
20	458203-001	NA	Dr. Sambit Satpathy, D K SHUKLA, S ALI, M KUMAR	DECISION INTERPRETING AI DEVICE	Dr. Sambit Satpathy, D K SHUKLA, S ALI, M KUMAR
21	428572-001	Published	1. Pooja Malik 2. Dr. Parul Ahuja 3. Dr. Ruchika Sharma 4. Dr. Alisha Verma 5. Dr. Mona Mahecha, 6. Dr. Priyanka Tyagi	DEVICE FOR EMPLOYEE ATTENDANCE MANAGEMENT USING CAMERA	1. Pooja Malik 2. Dr. Parul Ahuja 3. Dr. Ruchika Sharma 4. Dr. Alisha Verma 5. Dr. Mona Mahecha, 6. Dr. Priyanka Tyagi
22	202411076346	Published	Mrityunjay Kumar	AUTONOMOUS DRONE WITH INTEGRATED SPEECH RECOGNITION FOR VOICE-CONTROLLED OPERATIONS	Mrityunjay Kumar
23	242411050041	Published	Mrityunjay Kumar	Deep learning based speaker dependent and independent speech impairment recognition	Mrityunjay Kumar
24	450661-001	Granted	Mrityunjay Kumar	AI-Based Student Learning Analyzer	Mrityunjay Kumar
25	413472-001	Published	1. Sundeep Raj 2. Dr. Shimpy Goyal 3. Dr. Priyanka Saini 4. Prachi Gupta 5. Manik Batra 6. Shikha Bhalla 7. Ms. Kartika 8. Ms. Pooja	AI Based ATM Machine	Dr. Priyanka Saini
26	429880-001	Published	Dr. Priyanka Saini	Emergency Logistics Management Device	Dr. Priyanka Saini
27	202511005231 A	Published	1. Prachi Gupta 2. Manik Batra 3. Dr. Priyanka Saini 4. Swati Rehal 5. Dr. Mahima Shanker Pandey 6. Dr. Obaidur Rahman 7. Dr. Himanshi Puri 8. Prerna Awasthi	A system and method for personalized treatment recommendation using multimodal deep learning with epigenetic, context-aware and blockchain-enabled adaptations	Dr. Priyanka Saini
28	202511058701	published	Pancham, Sakshi, Amita, Sachin Kumar, Monika	A Comprehensive Digital Health E-Card System for Optimized Emergency Response and Medical Record Management	Sachin Kumar

29	2025110522112	published	Pancham, Mrignainy, Sachin Kumar, Ekta	Automated Vehicle Recognition system by using Internet of Things	Sachin Kumar
30	202511006339	Published	Lipika Dutta,Dr. Amit Kumar Sharma, Dr. Pinki Yadav,Shubham Anand, Manu Bajpai,Akanksha Priya,Nandani Singh,Dr. Parveen Berwal	Electromagnetic Shielding apparatus for reducing copper losses in Bullet Train Electrical Systems	Lipika Dutta,Dr. Amit Kumar Sharma, Dr. Pinki Yadav,Shubham Anand, Manu Bajpai,Akanksha Priya,Nandani Singh,Dr. Parveen Berwal
31	202511004307	Published	1 . PREETI DHIMAN 2 . DR. PINKI YADAV 3 . DR. MD. DANISH EQUBAL 4 . DIVYA 5 . UNNATI PANDEY 6 . ARYAN SHARMA 7 . SHWETA SINGH 8 . DR. PARVEEN BERWAL	AI-EMPOWERED GRADIENT MAPPING APPARATUS FOR PREDICTING WATER WELL LOCATIONS	1 . PREETI DHIMAN 2 . DR. PINKI YADAV 3 . DR. MD. DANISH EQUBAL 4 . DIVYA 5 . UNNATI PANDEY 6 . ARYAN SHARMA 7 . SHWETA SINGH 8 . DR. PARVEEN BERWAL
32	202511004309	Published	1 . DR. PINKI YADAV 2 . DR. MD. DANISH EQUBAL 3 . ADITYA KUMAR GUPTA 4 . AMAN KUMAR VERMA 5 . DIGVIJAY YADAV 6 . MOHIT KUMAR 7 . ATUL GUPTA	System For Stabilizing Quadcopter Drones With Face Detection And Recognition In Variable Wind Conditions	1 . DR. PINKI YADAV 2 . DR. MD. DANISH EQUBAL 3 . ADITYA KUMAR GUPTA 4 . AMAN KUMAR VERMA 5 . DIGVIJAY YADAV 6 . MOHIT KUMAR 7 . ATUL GUPTA
33	202511004308	Published	1 . DR. SUNIL KUMAR CHAUDHARY 2 . DR. PINKI YADAV 3 . ADITYA YADAV 4 . ADITYA KUMAR 5 . ANISH KUMAR SINGH 6 . CHIRAG DIXIT	AI-BASED WIRELESS CHARGING APPARATUS FOR FAST CHARGING OF ELECTRIC VEHICLES	1 . DR. SUNIL KUMAR CHAUDHARY 2 . DR. PINKI YADAV 3 . ADITYA YADAV 4 . ADITYA KUMAR 5 . ANISH KUMAR SINGH 6 . CHIRAG DIXIT
34	6439070	Registered	Arivarasi Chandrasekaran, Ms. Neetu Gupta Arya, Kota Sai Vivek, Dr. Vikas Singhal, Dr. Shivani Dubey, Dr. Anand Kumar Dohare, Dr. Kalpana Hazarika, Mr.axman Singh, Ms. Sunita Kumari, Dr. Pronika Chawla	AI-Based Deformation Detection Apparatus for Bridges and Overpasses,	Arivarasi Chandrasekaran, Ms. Neetu Gupta Arya, Kota Sai Vivek, Dr. Vikas Singhal, Dr. Shivani Dubey, Dr. Anand Kumar Dohare, Dr. Kalpana Hazarika, Mr.axman Singh, Ms. Sunita Kumari, Dr. Pronika Chawla
35	6434885	Granted	Ms. Shobana Ramasubramanian, Dr. Rajesh Bharati, Dr. Subashini Krishnaswamy, Ms. Vidya Prabha Coimbatore Veluswamy, Dr. Suraya Mubeen	Medical Apparatus for Alzheimer's Detection Using Predictive Analytics	Ms. Shobana Ramasubramanian, Dr. Rajesh Bharati, Dr. Subashini Krishnaswamy, Ms. Vidya Prabha Coimbatore Veluswamy, Dr. Suraya Mubeen

36	567247	Granted	Dr. Chayan Bhattacharjee, Dr. Pawan Kumar Kushwaha	A SYSTEM FOR TRACKING NUTRIENTS IN AGRICULTURAL WATER AND A METHOD FOR THE SAME	Dr. Chayan Bhattacharjee, Dr. Pawan Kumar Kushwaha
37	2024/05482	Granted	Dr. Chayan Bhattacharjee, Dr. Pawan Kumar Kushwaha	SYSTEM FOR DESIGNING ADVERTISING POLES WITH DUAL RENEWABLE POWER SOURCE AND A METHOD THEREOF	Dr. Chayan Bhattacharjee, Dr. Pawan Kumar Kushwaha
38	202511046841	Published	1.Diptimayee Dash 2 . Baibaswata Mohapatra 3 . Dhiraj Gupta 4 . Paras Sharma 5 . Ghanshyam Sharma 6 . Jyoti Maurya 7 . Pravin Kumar Chaudhary 8 . Amit Kumar Goyal 9 . Sanjay Kumar 10 . Vivek Kumar Chopra	DESIGN AND ANALYSIS OF TERNARY PHOTONIC CRYSTAL SENSOR FOR DENGUE DETECTION	1.Diptimayee Dash 2 . Baibaswata Mohapatra 3 . Dhiraj Gupta 4 . Paras Sharma 5 . Ghanshyam Sharma 6 . Jyoti Maurya 7 . Pravin Kumar Chaudhary 8 . Amit Kumar Goyal 9 . Sanjay Kumar 10 . Vivek Kumar Chopra
39	455494-001	Registered	1. Dr.V.S.Padmavathy 2. Dr. Shoma Mukherjee 3. Dr Kamla Kant 4. Dr. Rekha Tarasingh Rajput 5. Dr Neha Jain 6. Dr. Shikha Singh 7. Shona.K.P 8. Dr. Namita Kathpal 9. Dr Nitasha Soni 10. R.Kalaiselvi 11. Dr. Pulkit Sharma	Portable HPLC Device for estimation of drugs in Rat Plasma Protein	Dr Neha Jain
40	202231049084	Granted	Bidyut Mahato	A Dual DC Source Multilevel Inverter with Lower Standing Voltage	Mr. Samrat Paul 2.Dr. Saikat Majumdar 3.Mrs. Akanksha Paul
41	12456/2025-CO/L	Published	Preety Shoran, Sandeep Gupta, Meenakshi Yadav,,Esha Saxena	Ai's Role In Reshaping Industry 5.0: The Future of Human-machine collaboration	Preety Shoran, Sandeep Gupta, Meenakshi Yadav,,Esha Saxena
42	418985-001	GRANT	AMIT SETH	"AI BASED NON-INVASIVE BRAIN SCANNING DEVICES FOR NEURO DEFECTS IDENTIFICATION	AMIT SETH
43	427794-001	GRANT	AMIT SETH	"IoT BASED BREAST CANCER DETECTION DEVICE USING MICRO CALCIFICATION"	AMIT SETH
44	202411043120	Published	Jagendra Singh,Ramesh,Mr Sunny,Shanu Verma,Nisha Pandey, Dr. K. Sivakami,Mr. Sachin Sharma	ARTIFICIAL INTELLIGENCE-ENHANCED NEURAL NETWORK SYSTEM FOR ADVANCED DETECTION AND DIAGNOSIS OF THYROID CANCER	Jagendra Singh,Ramesh,Mr Sunny,Shanu Verma,Nisha Pandey, Dr. K. Sivakami,Mr. Sachin Sharma

45	6385762	Granted	Vineet Kumar Chauhan, Shivendra Kumar Singh, Anshu Tiwari, Nandita Chasta, Dr.Pandi Maharajan Murugamani in	Mobile medical robot on wheels with several sensors	Vineet Kumar Chauhan
46	202511043059 A	Published	1. Ashutosh Chandra Jha 2. Sanjaya Tripathi 3. Dr. Rajesh Kumar 4. Rakhi Singh 5. Dr Amit Agnihotri 6. Dr. Anurag Rai 7. Dr. Kuldeep Chouchan 8. Dr. Swapnil Srivastava	System and method for real-time adaptive threat detection and autonomous response in distributed network environments	1. Ashutosh Chandra Jha 2. Sanjaya Tripathi 3. Dr. Rajesh Kumar 4. Rakhi Singh 5. Dr Amit Agnihotri 6. Dr. Anurag Rai 7. Dr. Kuldeep Chouchan 8. Dr. Swapnil Srivastava
47	421198-001	Published	Dr Brijesh Singh Dr Manohar Singh Dr Manoj Kumar Lohumi Dr Yogesh Shrivastava Dr Shahroz Akhtar Khan	BARCODE PROTECTOR FROM UNWILLING SCANNING OF A TOLL PAYMENT TAG	Brijesh Singh
48	427310-001	Published	Dr Brijesh Singh Dr Manoj Kumar Lohumi Dr Manohar Singh Dr Pawan Kumar Arora Dr Brajesh Varshney	SOLAR SUSPENDED PARTICULATE MATTER REDUCER	Brijesh Singh
49	427314-001	Published	Dr. Brijesh Singh Dr. Anil Kumar Shrivastava Dr. Dev Singh Dr. Ashish Malik	SOLAR SUSPENDED PARTICULATE MATTER REDUCER WITH DUAL TANKS	Brijesh Singh
50	434435-001	Published	Dr. Brijesh Singh Dr. Manoj Kumar Lohumi Dr. Anil Kumar Shrivastava Mr. Praveen Kumar Chakravarti Dr. Pawan Kumar Arora Mr. Atul Kumar	WALKING STICK FOR ELDERLY PEOPLE	Brijesh Singh
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52	434438-001	Published	Dr Brijesh Singh Dr Alok Chauhan Dr Somendra Shukla Dr Jeetendra Kumar Yadav Dr Anil Kumar Sethi Mr Sarvesh Kumar Swarnkar	WALL-MOUNTED AIR COOLING AND DUST PURIFICATION SYSTEM	Brijesh Singh
53	445791-001	Published	Dr. Brijesh Singh Mr. Praveen Kumar Chakravarti Dr. Bhupender Sharma Mr. Ajay Kumar Dr. Manoj Kumar Lohumi	MULTI PURPOSE DRYER	Brijesh Singh