



# Patents

| S. No. | Patent ID      | Patent Title                                                                                                                       | Applicant/ Inventor Name                                                                                                                                                                                                                                                                                | Technology Area                | Patent Office                           | Status (Filed/ Granted) | Grant Date (If Applicable) |
|--------|----------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------|-------------------------|----------------------------|
| 1      | 202431001782 A | FORMULATION OF MORINGA OLEIFERA IN THE TREATMENT OF NON-ALCOHOLIC FATTY LIVER DISEASE                                              | Mr. Sukanta Roy, Mr. Tuhin Sarkar, Dr. Preeta Bose, Mr. Parag Ghosh, Mr. Sudepto Biswas, Ms. Senjuti Bhattacharjee, Ms. Panchali Dasgupta, Mr. Sourav Das, Dr. Anirban Deep Bose, Dr. Anirban Deep Bose                                                                                                 | Pharmacy                       | India Patent                            | Published               | 19/1/2024                  |
| 2      | 202411056756 A | Biodegradable Smart Packaging With Integrated Freshness Monitoring System                                                          | Dr. Ashwani Sharma, Mr. Shubha Dattatreya Bahinipati, Dr. Subhamoy Das, Dr. Keya De Mukhopadhyay, Mr. Ajay Acharya, Dr. Anjali Singh, Aminul Islam, Dr. Stephen Stanley Jayapaul                                                                                                                        | Agriculture                    | India Patent                            | Published               | 8/9/2024                   |
| 3      | 409856-001     | SEED COATING MACHINE                                                                                                               | Dr. Shankha Koley, Dr. Sarthak Bhattacharya, Dr. Subhadip Pal, Dr. Agniswar Jha Chakraborty                                                                                                                                                                                                             | Agriculture                    | India Patent                            | Published               | 3/8/2024                   |
| 4      | 423210-001     | URBAN VEGETABLE CULTIVATION DEVICE                                                                                                 | Dr. Sarthak Bhattacharya, Dr. Subhadip Pal, Dr. Agniswar Jha Chakraborty, Dr. Parvez Mallick                                                                                                                                                                                                            | Agriculture                    | India Patent                            | Published               | 13/9/2024                  |
| 5      | 405846-001     | APPARATUS FOR DETECTION OF BREAST CANCER THROUGH DIGITAL MAMMOGRAPHY                                                               | Dr. Cyril Sajan, Dr Surendra Adusumalli, Rajeswar Das, Manukonda Upender Kumar, Dr Lokesh Ravi, Shree Kumari Ghodidhar Raguram, Ajith Kumar Krishnan, Dr. Tapan Kumar Shaw, Prof Dr. Natrajan Angayarkanni                                                                                              | Pharmacy                       | India Patent                            | Published               | 29/2/2024                  |
| 6      | 18/481,143     | Bioactive Nanofibre Dressing For Treating Wounds & Method For Preparation Thereof                                                  | Pranay Wal, Ravinesh Mishra, Bhupen Kalita, Chinmaya Mahapatra, Hemanta Pathak, Sumon Giri, Devi Violina, Joyanta Kishore Debnath, Namrata Koushik, Manish Bhise, Mohd Imran                                                                                                                            | Pharmacy                       | US Design                               | Published               | 2/1/2024                   |
| 7      | 202341029322 A | A SYSTEM FOR OPTIMIZING DRUG ABSORPTION BY CANCEROUS CELLS USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING                      | Dr. Darshanam Vijaykumar, Dr. Sachinkumar Dnyaneshwar Gunjal, Mr. Darla Raju, Dr. Joan Dsouza, Dr. Hara Prasad Mishra, Dr. Pratap Kumar Patra, Dr. Chinmaya Mahapatra, Dr. Sandhya Jaiswal, Ms. Anmol Dhawande, Mr. Satyabrata Jena                                                                     | Pharmacy                       | India                                   | Published               | 5/5/2023                   |
| 8      | 6360938        | AGRICULTURE DRONE FOR MONITORING AND SPRAYING PESTICIDES                                                                           | Dr. Jayakumar Loganathan, Dr. Hephzibah Rani Singh, Dr. Gopikrishna Pasam, Dr. Anurag Chauhan, Ananthakrishnan Sudhan, Sameeksha Verma, Dr. Apoorva Joshi, Prof (Dr) Subhrendu Guha Neogi, BuddhiwanthanahalliRadhakrishna Prithviraj, Dr. Julian Benadit Pernabas                                      | Computer Science & Engineering | Intellectual Property Office; UK Design | Granted                 | 25/4/2024                  |
| 10     | 6355076        | FLOOD MONITORING DEVICE WITH ALERT MECHANISM                                                                                       | Dr. Ralla Suresh, Ms. Sarishma Dangi, Parimala Rajeshwari, Mrs. Pachat Anupriya, Dr. Macha Sarada Khammam, Saurabh KailashchandraPaunikar, Dr. Ramesh Devaraj, Dr. Komanduri Venkata SessaSai Rama Krishna, Dr. Ayyappa ChakravarthiMetlapalli, Prof (Dr) Subhrendu Guha Neogi                          | Computer Science & Engineering | Intellectual Property Office; UK Design | Granted                 | 4/3/2024                   |
| 11     | 202441 016549  | AI BASED BLOCKCHAIN-POWERED SECURE VAULT FOR PERSONALDATA AND IDENTITY MANAGEMENT                                                  | M.Nithya, Dr. P. Chitra, Raghi K. R, Siddanna S R, Surya G., Mr. Vinod Kumar, Mohit Paul, Dr.U.Sridevi, Dr.M.Hema, Prof (Dr.) Subhrendu Guha Neogi                                                                                                                                                      | Computer Science & Engineering | India Patent                            | Published               | 3/7/2024                   |
| 12     | 20244100 1931  | AI based AI based Prevention of cyber-attacks on healthcareorganizations using IoT, Cloud Computing and Machine Learningapproach   | Dr Srinidhi G A, Dr. Vinitha. K, Manjunatha K M, Dr. Sandip Haldar, Manisha Das, Sabareesh R, Mrs. Aparna Bhonde, Mr B.Ramana Reddy, Lt. Dr. Charly Jerome J, Prof (Dr.) Subhrendu Guha Neogi                                                                                                           | Computer Science & Engineering | India Patent                            | Published               | 1/10/2024                  |
| 13     | 6338063        | SMART DEVICE FOR NETWORK INTRUSION DETECTION                                                                                       | Dr. Sanjay Kumar, Dr. Vishnuvarthanan Govindaraj, Sabeena Gnana Selvi, Muthugurunathan Ganesan, Jayakumar Loganathan, Neha Pandey, Karunanidhi Subash, Vishwas Sharma, Dhayalini Karuppiah, Prof. (Dr.) Subhrendu Guha Neogi                                                                            | Computer Science & Engineering | Intellectual Property Office; UK Design | Granted                 | 1/7/2024                   |
| 14     | 402160-001     | PORTABLE CLEVENGER APPARATUS FOR HYDRO DISTILLATION                                                                                | Mr. Mayuresh Kashinath Raut, Dr. Rajesh Hramesh Patil, Mrs. Savita Shrikant Deokar, Miss. Survanta Rajaram Takale, Dr. Raju Ratan Wadekar, Mr. P. Sivasubramanian, Mr. Sushant Kumar Sharma, Dr. Nisha Shri Chengama Raju, Dr. Bincy Raj, Dr. Kanakam Vijayabhaskar, Mr. Parag Ghosh, Mr. Krishna Kumar | Pharmacy                       | India Patent                            | Published               | 9/2/2024                   |
| 15     | 403213-001     | Basket Type Dissolution Apparatus For Floating Drug Delivery System                                                                | Mr. Sukanta Roy, Mr. Sourav Das, Mr. Parag Ghosh, Dr. Dibya Das, Anirbandeep Bose, Prof. (Dr.) Subas Chandra Dinda, Dr. Dileep Kumar Bharati, Dr. Navjot Singh, Dr. Chinmay Mahapatro, Dr. balaram Ghosh                                                                                                | Pharmacy                       | India Patent                            | Granted                 | 15/3/2024                  |
| 16     | 202311 061710  | ARTIFICIAL INTELLIGENCE BASED RENEWABLE ENERGYMANAGEMENT IN SMART GRIDS BY USING BIG DATA ANALYTICSAND MACHINE LEARNING ALGORITHMS | Sanjay Kumar, Sanjeev Kumar Ojha, Bhumika Gahlot, Dr. Rohini T V, Prof (Dr.) Subhrendu Guha Neogi, K. Meenendranath Reddy, Dr M Kathirvelu, Chalamalasetty Sarvani, Dr. Senthil P, Dr. Santosh Kumar Singh                                                                                              | Computer Science & Engineering | India Patent                            | Published               | 24/11/2023                 |



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|--------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|------------------------|----------------------------|
| 17     | 202311 064995  | AI Based Safe Healthcare System For Fertility Preservation For Young Woman With Breast Cancer Using Cloud and Machine Learning Alogorithms  | Dr.Punit Kumar Singh, Dr. Ashish, Dr. Salman Akhtar, Duggi Nagabhushanam, N.Ashalatha, MD Ashif Raja, Dr. N.B. Mahesh Kumar, Prof (Dr.) Subhrendu Guha Neogi, Dr Seema Yadav, Ms.Saranya.D                                                                                                                                | Computer Science & Engineering | India Patent  | Published              | 13/10/2023                 |
| 18     | 202341000000   | Artificial Intelligence Based Smart Detection System For Rainfall Prediction Time-Series Forecasting and Modern Machine Learning Algorithms | M.Nithya, Shiny.A, Dr.N.Kalaivani, Mr. Krishna Kishore Thota, Dr. V Muthulakshmi, Darshan Jayeshbhai Mehta, Dr. D. Karthikeswaran, Aruna P, Rupa M, Prof (Dr.) Subhrendu Guha Neogi                                                                                                                                       | Computer Science & Engineering | India Patent  | Published              | 16/9/2023                  |
| 19     | 202331036722 A | A novel pharmaceutical composition for Treatment of Autoimmune disease and preparation method thereof                                       | Dr. Rajesh E Jesudasan, Dr. Chinmay Mahapatra, Dr. Subhas Chandra Dinda, Dr. Hara Prasad Mishra, Mr. Dilip Kumar Reddy Kandula, Dr. Sankhadip Bose, Mr Satyabrata Jena, Ms. Kipa Amang, Ms rekha Rani, Dr. Shiva Murthy Nanjundappa                                                                                       | Pharmacy                       | India Patent  | Published              | 27/5/2023                  |
| 20     | 202341029322 A | A system for optimizing drug absorption by cancerous cells using artificial intelligence and machine learning                               | Dr. DarshanamVijaykumar, Dr. Sachinkumar Dnyaneshwar Gunjal, Mr. Darla Raju, Dr. Joan Dsouza, Dr. Hara Prasad Mishra, Dr. Pratap Kumar Patra, Dr. Chinmaya Mahapatra, Dr. Sandhya Jaiswal, Ms. Anmol Dhawande, Mr. Satyabrata Jena                                                                                        | Pharmacy                       | India Patent  | Published              | 5/5/2023                   |
| 21     | 6279508        | Extensive device to analyze and design to formulate Herbal Drugs                                                                            | Dr. Muppaneni Srikanth, Dr. Chinmaya Mahapatra, Mr. Bikash Ranjan Jena, Dr. Priyanka Debta , Chatlapelli Kishore , Deepak Shrivastava, Pragati Baghel, Satyabrata Jena                                                                                                                                                    | Pharmacy                       | UK Design     | Granted                | 5/11/2023                  |
| 22     | 202341032341 A | A nanoparticle-based drug delivery system for targeted treatment of cancer                                                                  | R. Devi, Sanchinkumar Dnyaneshwar Gunjal, Lubhan Singh, Rupesh Kumar Panday, Raja RajeswariKemiseti, Chinmaya Mahapatra, Rajeswar Das, Darla Raju, Pankaj Kumar, Satyabrata Jena                                                                                                                                          | Pharmacy                       | India Patent  | Published              | 18/8/2023                  |
| 23     | 6288630        | IOT Device for Breast Cancer Detection                                                                                                      | Dr. Chinmaya Mahapatra, Dr. Subas Chandra Dinda, Dr. Hara Prasad Mishra, Ms. Smruti Sikta Mishra, Mr. Abhra Das, Dr. Lubhan Singh, Mr. Om Prakash Panda, Mr. Sanatan Nayak                                                                                                                                                | Pharmacy                       | UK Design     | Granted                | 6/8/2023                   |
| 24     | 397240-001     | Rotarod Apparatus For Monitoring Muscle Relaxant Activity In Mice                                                                           | Mr. PranshulSethi ,Dr. Pratap Kumar Patra, Dr. Avijit Choudhury, Dr. Nitin Motiram Gawai, Dr. Rana Datta, Dr. Rajesh J. Mandade, Dr. ManabendraDhua, Dr.Aniruddha Mukherjee                                                                                                                                               | Pharmacy                       | India Patent  | Published              | 14/12/2023                 |
| 25     | 6329541        | Gas Chromatography-Mass spectrometer For Qualitative Analysis of Chemical Compounds                                                         | Dr. Manisha Masih Singh, Dr. Neelam Pawar, Mr. Sandeep Solanki, Miss. Komalatha Nakkala, Dr. Awdhut Dnyaneshwar Pimpale, Dr. Ashwani Arya, Miss. Pooja Dubey, Mr. Pampayya Thanthati, Dr. Sarakula Prasanthi, Miss. Pallavi Dattatray Namdas, Mr. Parag Ghosh, Mr. Radheshyam Samanta                                     | Pharmacy                       | UK Design     | Granted                | 13/12/2023                 |
| 26     | 392427-001     | SMOKE CHAMBER TO INDUCE EMPHYSEMA IN MICE                                                                                                   | Dr. Sandipan Dasgupta; Dr. Sanjay Dey; Pinky Acharjee; Dr. Somsubhra Ghosh; Dr. Mukesh Kumar Das; Dr. Sourav Ghosh                                                                                                                                                                                                        | Pharmacy                       | India Patent  | Published              | 8/10/2023                  |
| 27     | 202331042894A  | METHOD FOR DETECTING AND PREVENTING ADVERSE DRUG REACTIONS THROUGH PHARMACOGENOMICS TESTING                                                 | 1. Gnyana Ranjan Parida, 2. Dr. A. Srinivasa Rao, 3. Amer Ahmed Syed, MD, 4. Dr. Anjan Kumar 5. Dr. Shiva Murthy Nanjundappa, 6. Mrs. Kalpana Purohit, 7. Dr. Ahmed Hegazy, 8. Mrs. Himani Prajapati, 9. Mr. Deepak Shrivastava, 10. Adusumilli Pramod Kumar, 11. Mr. Amitder Nath Chatterjee, 12. Dr. Chinmaya Mahapatra | Pharmacy                       | India Patent  | Published              | 30/6/2023                  |
| 28     | 6289203        | PHARMACOGENOMICS TESTING KIT                                                                                                                | Dr. Chinmaya Mahapatra, Dr. Prasanna Kumar Dixit, Prof. Dr. Mulavagili Vijayasimha, Dr. Rozafa Koliqi, Dr. Kanchana Narsingrao Dussa, Ms. Sita Kumari, Mr. Saroj Kumar Sethi, Ms. Jangyaseni Parida                                                                                                                       | Pharmacy                       | UK Design     | Granted                | 6/12/2023                  |
| 29     | 202331 044158  | AN ANTIMICROBIAL COMPOSITION AND METHOD THEREOF                                                                                             | Dr. Prosun Tribedi, Dr. Manish, Ms. Sudipta Chatterjee, Dr. Anirban Das Gupta, Dr. RanojitSarker, Dr. PayelPaul, Dr. Poulomi Chakraborty, Dr. Sarita Sarkar, Dr. Diwakar Kumar Singh, Ms. Sharmistha Das, Ms. Moumita Malik, Mr. Ritwik Roy                                                                               | Microbiology & Biotechnology   | India Patent  | Published              | 13/10/2023                 |
| 30     | 202311 031694  | System for sensor based quality control for food & beverages                                                                                | Dr. M P Sharma, Prof. (Dr.) Vikas Singh, Chef Umesh Kumar Kundaliya, Md. ShadabNaseem, Chef Hrendra, Mr. Rupam Ghosh, Chef Atin Das, Mr. Anirban Chatterjee                                                                                                                                                               | Hospitality & Culinary Art     | India Patent  | Published              | 6/9/2023                   |
| 31     | 202311 026658  | A blockchain-based IOT system for security and data privacy protection and its method thereof                                               | Mr. Anuj Kumar, Dr. Deepali S Hirolikar, Dr. Sukhmeet Kaur, Dr. Ashish Mathur, Dr. Srilalitha Girija Kumari Sagi, Dr. Ameet Sao, Mr. Abhijeet Chavan, Dr. Devi Manikeswari, Dr. Renu Gupta, Mr. Subrata Routh, Ms. Ruth Felicita. F, Dr. Nishu Ayedee                                                                     | Hospitality & Culinary Art     | India Patent  | Published              | 4/11/2023                  |
| 32     | 202311 011092  | Green human resource management as a tool for the sustainable development of organization                                                   | Prof Dr Manoj Srivastava, Mr. Ajay Pratap Singh, Subrata Routh, Prof. (Chef) Subhadip Majumder, Ashish Kumar, Mr. Rahul Gautam, Ankit Mishra, Dr Sarika Takhar                                                                                                                                                            | Hospitality & Culinary Art     | India Patent  | Published              | 17/3/2023                  |

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|--------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------|------------------------|----------------------------|
| 33     | 20221 1034062   | Antibesity activity of extract of Curculigo Orchiodides Gaetrn root in progesterone induced obesity in rats                                                     | Mrs. Richa Tiwari, Dr. Amit Kumar Verma, Dr. Arvind Kumar Srivastava, Mrs. Neelima Tripathi, Dr. Arghya Kusum Dhar, Mrs. Neelima Tripathi, Mrs. Preeti Mishra, Mr. Amit Kumar, Dr. Apoorva Behari Lal                                      | Pharmacy                               | India Patent  | Published              | 14/6/2022                  |
| 34     | 202241 050708   | Artificial intelligence-based drug discovery technique to analyse the impact of existing drugs for bone marrow disease and paving way for new efficacious drugs | Dr. T. S. SASIKALA, SNEHA ARJUN KHAIRE, SOMSUBHRA GHOSH, MRS. RITA CHANANA, MS. SHRADHA DEVI DWIVEDI, MRS. MANJUSHA JHARANIYA, SHMMON AHMAD, Dr. K. MANOHARAN, ZAFAR KHAN, MRS. K. SUMALATHA, MRS.C.NAGAMANI, Dr.AMARESH CHANDRA SAHOO     | Pharmacy                               | India Patent  | Published              | 16/9/2022                  |
| 35     | 202241057762 A  | Simple UV spectrophotometric determination of rosuvastatin calcium in pure form and in pharmaceutical formulation                                               | Dr. M. Alagarraja, Mr. Somsubhra Ghosh, Mr. Abinash Kumar sahu, Mr. Rohan Pal, Mr. Pragati Ranjan Satpathy, Mr. Rajarshi Nath, Mr. Satyabrata Jena, Mr. Shambo Panda, Dr. Prithwiraj Mohapatra Dr. KantlamChamakuri                        | Pharmacy                               | India Patent  | Published              | 14/10/2022                 |
| 36     | 202141058980 A  | Mucoadhesive Dosage form for gastroretentive drug delivery                                                                                                      | Beda Durga Prasad, Sateesh Kumar Vemula, Dr Rama Narsimha Reddy Anreddy, Prof.Dr.L.V. Vigneshwaran, Dr. Premkumar, Kalpanadevi .M, Dr. Nampally Karnakar, Kunisetti Nagendra Babu, Dr. Narahari Narayan Palei, Dr. Bibhash Chandra Mohanta | Pharmacy                               | India Patent  | Published              | 2/4/2022                   |
| 37     | 202131058991 A  | Method for simultaneous estimation of ciprofloxacin and fluocinolone byreverse phase HPLC                                                                       | Dr. Uttam Prasad Panigrahy, Bhookya Raju, Dr T Venkatachalam, Mr. Tarun Chaudhary, Tayyaba Mahtab, Dr. Sridhar Babu Gummadi, Dr. Narahari Narayan Palei, Dr Rama Narsimha Reddy Anreddy, Dr.J.Amutha Iswarya Devi, Battini Srikanth        | Pharmacy                               | India Patent  | Published              | 21/1/2022                  |
| 38     | 2022241062745 A | Ethanolic extract of Argyreia Nervosa with anticonvulsant and anxiolytic activity                                                                               | Peta Sudhakar, Shanaz Banu, A V Badri Nath, Dr. Uttam Prasad Panigrahy, M. Shyamala, Swarupa Arvapalli, Dr. C. Madhusudhana Chetty, Akash Marathakam, Vakkalagadda Ravi Kumar                                                              | Pharmacy                               | India Patent  | Published              | 18/11/2022                 |
| 39     | 202231060939 A  | Pharmaceutical nanotechnology for intravenous administration                                                                                                    | Dr. Nihar Ranjan Kar, Ms. Addanki Anusha, Dr. S. A. Sreenivas, Ms. Neela Swapna, Mr. Parag Ghosh, Mr. Pitchika Subrahmanyam, Mrs. B. Lakshmi Satya, Dr. C. Soujanya Dr. Anand Raj, Mr. Yagnambhatla Rajendra                               | Pharmacy                               | India Patent  | Published              | 26/10/2022                 |
| 40     | 2021104487      | An AI based screening method for a detection and automated isolation of a covid-19 positive patient                                                             | MOUMITA MUKHERJEE, DEBAJIT SEN, SWARNAVA BISWAS, MOUMITA DEY,DINESH BHATIA, PRANJAL PHUKAN                                                                                                                                                 | Health Science                         | Australia     | Granted                | 13/4/2022                  |
| 41     | 2021105614      | A Single Point Wearable Device for Isolation of the Patients having Infectious Diseases Including COVID-19                                                      | SWARNAVA BISWAS, MOUMITA MUKHERJEE, SAMIR DEY, NILADRI MAITI, DIBYENDU KUMAR PAL, SOUMEN PRAKASH KABI, DEBAJIT SARMA, AVIJIT BHOWMICK, UMAKANT MANDAWKAR, NAVED ALAM                                                                       | Health Science                         | Australia     | Granted                | 11/10/2021                 |
| 42     | 2021105728      | Artificial Intelligence Based Smart Charger for Electric Vehicle                                                                                                | ABHISHEK DHAR, SAURABH ADHIKARI, ARITRAS CHAKRABORTY, SOURAV SAHA, SWARNAVA BISWAS                                                                                                                                                         | Health Science                         | Australia     | Granted                | 24/11/2021                 |
| 43     | 393378-001      | Automated Food quality Monitoring Device                                                                                                                        | Mr Sumit Das, Anirban Chatterjie, Anupam Alok, Chef Sandeep Kumar Singh, Chef Sunil Kumar                                                                                                                                                  | School of Hospitality and Culinary Art | India Patent  | Published              | 18/7/2024                  |
| 44     | 429998-001      | Sound Bird Detrrrent Device for Agricultural Farms                                                                                                              | Dr. Dibyendu Pal, Dr. Ramyajit Mondal, Dr. Kabita Mondal, Dr. Saumi Goswami, Dr. Jayita Hore, Dr. Priyanka Ghatak, Dr. Swarbinay Mahanta                                                                                                   | SAAS                                   | India Patent  | Published              | 29/11/2024                 |
| 45     | 6356707         | Device to develop dissolving microneedles for the treatment of diabetes mellitus.                                                                               | Mr. Sukanta Roy, Prof. (Dr.) Subas Chandra Dinda, Dr. Anirban Deep Bose, Mr. Sourav Das, Mr. Parag Ghosh, Ms. Payel Pramanick, Mr. Hrishav Das, Purkayastha, Dr. Sangita Agarwal, Ms. Senjuti Bhattacharjee, Mr. Sudepto Biswas            | Pharmacy                               | UK Patent     | Granted                | 2/4/2024                   |
| 46     | 409007-001      | Implantable device for continuous monitoring of glucose and insulin                                                                                             | Mr. Sukanta Roy, Mr. Sourav Das, Prof. (Dr.) Subas Chandra Dinda, Dr. Anirbandeep Bose, Mr. Parag Ghosh, Dr. Dibya Das, Ms. Swagata Sarkar, Ms. Ananya Chandra, Mr. Soumik Laha, Dr. Navjot Singh                                          | Pharmacy                               | India Patent  | Published              | 28/4/2024                  |
| 47     | 408753-001      | Device for Identification and phytochemical screening of crude drugs                                                                                            | Manukonda Upender Kumar, Devendra kumar sahu, Dr. Pankaj Nainwal, Dr. Rinku Mathappan, Dr. Biresh Kumar Sarkar, Dr. Rupali sampatrao Dhikale, Dr. Samir Kumar Samanta, Dr. Sankhadip Bose, Dr. Sudip Kumar Mandal, Sagar Bansal            | Pharmacy                               | India Patent  | Published              | 23/4/2024                  |
| 48     | 6368231         | Wound Cover with integrated Sensor to Prevent External Dust on Wound                                                                                            | Mr. Sukanta Roy, Ms. Parwati Chouhan, Mr. Subhadeep Sasmal, Dr. AnirbanDeep Bose, Mr. Sourav Das, Mr. Parag Ghosh, Mr. Subhadas Chatterjee, Mrs. Sancharee Mondal, Mrs. Swati Kumari                                                       | Pharmacy                               | UK Patent     | Granted                | 3/6/2024                   |
| 49     | 443929-001      | RENEWABLE ENERGY BASED GREEN HYDROGEN PRODUCER                                                                                                                  | Mr. Atanu Roy , Mr. Anirban Maity , Mr. Sujit Dhar, Mr. Parag Ghosh, Mr. Somen Rai                                                                                                                                                         | Maritime studies                       | India Patent  | Published              | 26/3/2025                  |
| 50     | 432090-001      | AI-BASED SMART PESTICIDE SPRAY DEVICE                                                                                                                           | Dr. Arghya Banerjee, Dr. Koushik Sen, Dr. Snigdha Samanta, Dr. Shuvadeep Halder, Dr. Sruba Saha,Dr. Sudeshna Panja, Dr. Trisha Manna, Mr. Aminul Islam, Mr. Tanmoy Satpati, Mr. Saidul Islam                                               | SAAS                                   | India Patent  | Published              | 28/11/2024                 |



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|--------|----------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------|------------------------|----------------------------|
| 51     | 437063-001     | SINGLE PLANT HARVESTER AND THRESHER MACHINE                                                                              | Dr. Sudeshna Panja, Dr. Sruba Saha, Dr. Trisha Manna, Dr. Koushik Sen, Dr. Arghya Banerjee, Dr. Snigdha Samanta, Dr. Monisankar Bera, Dr. Madhurima Banik, Dr. Arindam Kundu, Dr. Sarita Kumari Pandey                        | SAAS                                   | India Patent  | PUBLISHED              | 23/1/2025                  |
| 52     | 437064-001     | PANICLE IMAGE ANALYZER                                                                                                   | Dr. Sudeshna Panja, Dr. Sruba Saha, Dr. Trisha Manna, Dr. Koushik Sen, Dr. Arghya Banerjee, Dr. Snigdha Samanta, Dr. Monisankar Bera, Dr. Madhurima Banik, Dr. Arindam Kundu, Dr. Sarita Kumari Pandey                        | SAAS                                   | India Patent  | PUBLISHED              | 13/1/2025                  |
| 53     | 202441048098 A | IMAGE RESTORATION AND DETAIL ENHANCEMENT USING EFFICIENT TRANSFORMER MODEL FOR EDGE DEVICES                              | Dr. K. Prasanna Kumar, Dr. F. Vincy Lloyd, Rupali Atul Mahajan, Smita C Khairnar, Renu Kachhoria, Dr. Sruba Saha, Dr. S. Murugaveni, Dr. S. Kiruba                                                                            | SAAS                                   | India Patent  | PUBLISHED              | 28/6/2024                  |
| 54     | 436643-001     | PORTABLE CROP DIAGNOSTIC SPECTROMETER                                                                                    | Dr. Koushik Sen. Dr. Arghya Banerjee, Dr. Trisha Manna, Dr. Snigdha Samanta, Dr. Shuvadeep Halder, Dr. Urjashi Bhattacharya, Dr. Arindam Kundu, Dr. Anand Salve, Mr. Aminul Islam, Mr. Saidul Islam, Dr. Ashwani              | SAAS                                   | India Patent  | Published              | 27/12/2024                 |
| 56     | 438260-001     | SOLAR-POWERED AUTOMATED SYSTEM FOR CONTROLLING GRAVITYDRIVEN WATER FLOW WITH A BALL VALVE                                | Dr. Subhankar Debnath, Mr. Krishna Mondal, Dr. Uday Mandal, Dr. Rahul Adhikary, Dr. Boris Huirem, Dr. Anand Salve, Dr. Sourav Mullick, Dr. Pragun Pal, Mrs Indrani Khoso                                                      | SAAS                                   | India Patent  | PUBLISHED              | 23/1/2025                  |
| 57     | 6340942        | Portable Household Fermenter                                                                                             | Deepti Kumari, Dr. Khan Chand, Gazia Nasir, Dr. Boris Huirem                                                                                                                                                                  | SAAS                                   | India Patent  | PUBLISHED              | 28/1/2024                  |
| 58     | 202431052021 A | DESIGN AND DEVELOPMENT OF DIGITAL FRUIT AND SPICES QUALITY IDENTIFICATION TECHNOLOGY                                     | Dr. Arunabha Pal, Dr. Rahul Adhikary, Mr. Chunchu Suchith Kumar, Mrs. Pilli Manasa, Dr. Tanuj Kumar Mandal, Dr. Nayan Kishor Adhikary, Dr. Ayon Alipatra, Dr. Priyanka Nandi, Dr. Priyanka Ghatak, Dr. Swarbinay Mahanta      | SAAS                                   | India Patent  | PUBLISHED              | 7/12/2024                  |
| 59     | 6370932        | AI -Powered Plant Disease Diagnostic Device                                                                              | Dr. Meenakshi Kumari, Dr. Neeraj Pathak, Dr. Anita Singh, Dr. Manish Sharma, Dr. Renuka Verma                                                                                                                                 | Fishery                                | UK Patent     | PUBLISHED              | 17/6/2024                  |
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| 61     | 444630-001     | RADIOLOGY IMAGE CALIBRATING AI DEVICE                                                                                    | Zosangliani, Hrisab Deb                                                                                                                                                                                                       | Health Science (BMRIT)                 | India Patent  | PUBLISHED              | 5/5/2025                   |
| 63     | 202431024537 A | Development of mesoporous nanoparticles for oral drug delivery to treat visceral leishmaniasis.                          | Mr. Parag Ghosh, Prof. (Dr.) Subas Chandra Dinda, Dr. Anirban Deep Bose, Mr. Sukanta Roy, Mr. Sourav Das, Mr. Debajit Dewan, Mr. Pratyush Maity, Mr. Abhra Das, Dr. Somsubhra Ghosh, Dr. Narahari Narayan Palei               | Pharmacy                               | Indian Patent | Published              | 5/4/2024                   |
| 64     | 202431037583 A | Synthesis and Purification of O-Methyl Quercetin derivatives from Basella Alba Quercetin for Anti – Leishmanial activity | Mr. Abhijit Bose, Dr. Sankhadip Bose, Dr. Subhasis Maity, Prof. (Dr.) Ashish Sarkar, Mr. Sabyasachi Banerjee, Dr. Junaid Jibran Jawed, Ms. Supriya Mandal, Mr. Utsab Chakraborty, Mr. Lalit Kumar, Ms. Gita Dash              | Pharmacy                               | Indian Patent | Published              | 24/5/2024                  |
| 65     | 202441046443 A | Phenolic acid esters in complex with Ruthenium (II): Their synthetic scheme and anti – cancer application.               | Bandameedi Ramu, Subhasis Banerjee, Sabyasachi Banerjee, Sankhadip Bose                                                                                                                                                       | Pharmacy                               | Indian Patent | Published              | 21/6/2024                  |
| 66     | 202431065902A  | PLGA-CARBON NANOTUBE NANOCOMPOSITE FOR BRAIN TARGETED DRUG DELIVERY                                                      | Mr. Sourav Das, Dr. Chinmaya Mahapatra, Dr. Anirbandeep Bose, Prof. Subas Chandra Dinda, Mr.Sukanta Roy, Mr.Parag Ghosh, Mr.Subhajit Sarkar, Mr.Utpal Bhui, Mr.Afsana Khan, Mr.Sourajyoti Goswami                             | Pharmacy                               | Indian Patent | Published              | 8/11/2024                  |
| 69     | 441528-001     | DOUBLE DISTILLATION APPARATUS EXTRACTION OF CRUDE DRUGS                                                                  | Dr. Sanmati Kumar Jain, Priyanka Gupta, Dr Sankhadip Bose, Shiv Murti Singh, Dr. Rahul Prabhu Gaikwad, Athira Jayachandran, Chaitanya B., Sirsath Patil , Dr. Rakesh Patel, Rashmi Saxena Pal , Anjali Sharma                 | Pharmacy                               | Indian Patent | Granted                | 20/3/2025                  |
| 70     | 454530-001     | DEVICE FOR DETECTION OF ANTI DIABETIC & ANTI INFLAMMATORY ACTIVITY OF NATURAL EXTRACTS                                   | Mr. Rajeswar Das, Anuradha Ratan Narwade, Mrs Sangita V Shelar, Dr. Sanmati Kumar Jain, Dr. Rahul Kumar Mishra, Karan Baburao Sonawane, Dr Pranay Wal, Dr. Ashok Kumar, Dr P S Raghu, Mevareen Rynjah                         | Pharmacy                               | Indian Patent | Granted                | 10/7/2025                  |
| 71     | 454374-001     | GROOMING CHECKING MIRROR WITH ATTENDANCE MARKING FOR HOTELS                                                              | Atanu Bhattacharya, Supratik De, Ayan Mukherjee, Sanjit Cletus Gomes, Mayurika Ray, Subhranil Chowdhury, Subrata Routh, Anirban Chatterjie, Dr. Santanu Dasgupta, Asik Rahaman Jamader                                        | SHCA                                   | Indian Patent | Granted                | 7/7/2025                   |
| 72     | 460766-001     | Incubator Light Intensity Monitoring Device                                                                              | Mr. Rajeswar Das, Mr. Parag Ghosh, Dr. Sankhadip Bose, Dr. Somsubhra Ghosh, Dr. Subas Chandra Dinda, Mr. Abhra Das, Ms. Samprikta Deb, Ms. Ankita Barik, Mr. Rudraneel Sarkar, Mr. Pithu Kuity                                | Pharmacy                               | Indian Patent | Granted                | 7/8/2025                   |
| 73     | 450528-001     | AI-POWERED FARM MONITORING DEVICE                                                                                        | Dr. Subhadip Pal, Dr. Agniswar Jha Chakraborty, Dr. Parvez Mallick,Dr. Riman Saha Chowdhury, Dr. Solanki Sarkar 6.Dr. Shraddha Bhattacharjee, Dr. Pijush Das, Dr. Abhishek Ghosh, Dr. Shankha Koley, Dr. Sarthak Bhattacharya | SAAS                                   | Indian Patent | Granted                | 28/5/2025                  |