

PRODUCT PATENT

| Sr. No. | Title | Application Number | status | Filling date | Publication Date | Inventors name |
|-------------|--|--------------------|-----------------------------------|--------------|------------------|--|
| 2021 | | | | | | |
| 1 | Nano Hydro Fiber Scaffold (Nano HIFI) | 202121053519 | Published | 22-11-2021 | 12/9/2022 | PDEU |
| 2 | Hybrid Nano Scaffold For Regenerative Therapy | 202121053520 | Published | 22-11-2021 | 12/9/2022 | PDEU |
| 3 | Goal Keeper Simulator Model | 202121053578 | Published, FER Issued | 22-11-2021 | 12/31/2021 | P. Jayakumar |
| 4 | Solar Operated Dust Bin Segregator | 202121053579 | Published, FER Reply Filed | 11/22/2021 | 1/7/2022 | P. Jayakumar |
| 5 | Automatic Solar Panel Cleaner With Street Light | 202121053580 | Published, FER Reply Filed | 22-11-2021 | 1/7/2022 | Abhisheck Nair, Krishna Solanki |
| 6 | Running Practice Light Simulator | 202121053581 | Published, FER Issued | 22-11-2021 | 1/7/2022 | Dr. Sundar Manoharan |
| 7 | Temporary Speed Breaker With Under Care Tunnel | 202121053582 | Published, FER Reply Filed | 22-11-2021 | 1/7/2022 | P. Jayakumar |
| 8 | Drilled Hole Depth Gauge | 202121053583 | Published, FER Reply Filed | 22-11-2021 | 1/7/2022 | Anirbid Sircar |
| 2022 | | | | | | |
| 9 | Pentananoplast an Electro spun Tailored Nano fiber Plaster with Permeation Enhancer | 202221000346 | Application ready for publication | 4/1/2022 | 12/9/2022 | PDEU |
| 10 | Solar Geo Thermal Hybrid Desalination System | 202221000358 | Patent Granted (410807) | 4/1/2022 | 2/25/2022 | PDEU , Tarun Shah, Dr.Manan Shah , Mr. Mitul H.Prajapati, Anirbid Sircar |
| 11 | Portable Crop Procuring and Protective Cabin | 202221000359 | Published, FER Issued | 4/1/2022 | 2/25/2022 | PDEU, Tarun Shah, P.Jayakumar |
| 12 | Wearable Search Light for Rescue Operation | 202221000360 | Published, FER Reply Filed | 4/1/2022 | 2/25/2022 | PDEU, Tarun Shah , Dr.Anirbid Sircar ,Dr. Kirti Yadav , Namrata Bist |
| 13 | Pegylated Liposomal Acinetobactin Colistin (PLAC) | 202221003448 | Published | 1/21/2022 | 11/18/2022 | PDEU, Tarun Shah, Dr. S. Sundar Manoharan, Dr. P. S. Pradeep , Dr. D. Sivaraman, Dr. Sam Scudder |
| 14 | Multipurpose Programmable Breakout Board With Pluggable LCD Display & Microcontroller For Research | 202221029655 | Published | 5/24/2022 | 12/9/2022 | 1. Dr. Rajeev Kumar Gupta 2. Mr. Ashish Labade 3. Dr. Santosh Kumar Bharti 4. Dr. Samir B. Patel 5. Mr. Ved Prakash Singh 6. Dr. Mrudula Nimbarte |
| 15 | Susceptor Aided Production Of Steam Using Microwave Oven | 202221029656 | Published | 5/24/2022 | 12/9/2022 | 1. Dr. Dadi V. Suriapparao 2. Dr. Fiyanshu Kaka |
| 16 | Production Of Ultra-Low Sulfur Base Oil Using Ultrasound Assisted Extractive oxidative Desulfuriz | 202221029657 | Published | 5/24/2022 | 12/9/2022 | 1. Ms. Komal Desai 2. Dr. Swapnil Dharaskar 3. Ms. Jalaja Pandya 4. Dr. Satyam Shinde 5. Dr. Vinay Vakharia 6. Dr. Thummalapalli |

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|----|--|--------------|---------------------------------|------------|------------|--|
| 17 | Ionic Liquid Supported Membrane For Enhanced Co2 Separation | 202221029658 | Published | 5/24/2022 | 11/18/2022 | Tarun Shah, Ms. Tushar Vilas Patil, Dr. Swapnil Dharaskar, Dr. Manish Kumar Sinha, Dr. Surendra Sasikumar Jampa |
| 18 | Milk Pateurization Using Geothermal Water | 202221029659 | Published | 5/24/2022 | 12/2/2022 | 1. Dr. Kirti Yadav 2. Dr. Anirbid Sircar 3. Namrata Bist 4. Jaya Kumar |
| 19 | Tigecycline-Nalidixic Acid Encapsulated Nano-Scaffold To Combat Staphylococcus Aureus Infection | 202221029660 | Published | 5/24/2022 | 12/9/2022 | 1. Dr. S. Sundar Manoharan 2. Dr. D. Sivaraman 3. Dr. P. S. Pradeep 4. Dr. Sam Scudder 5. Mr. Darshan N Ladva |
| 20 | Triphenyl Tetradecyl Phosphonium Bromide As A Promising Catalyst Extract ant For Ultrasound-Assisted Extractive Oxidative Desulfurization Of A Base Oil | 202221029661 | Published | 5/24/2022 | 12/9/2022 | 1. Ms. Komal Desai 2. Dr. Swapnil Dharaskar |
| 21 | Chemi-Resistive Sensors Based On Conducting Polymer For The Detection Of Harmful Gases At Room Temp | 202221052306 | Awaiting Complete Specification | 9/13/2022 | Filed | 1. Kalisadhan Mukherjee 2. Hemendrasinh Jagatsinh Raol 3. Heena Arvind Shekhawat 4. Drashti Kamol 5. Khusbu Kirankumar Patel 6. Bhooma Bhagat |
| 22 | Novel Weight Shifting Mechanism Employing Moveable Battery Mount For Control Of Double Rotor Co-Axial Drone | 202221064467 | Published | 11/11/2022 | 12/9/2022 | 1. Sopan Kane 2. Samarth Acharya 3. Vinay Vakharia 5. Paawan Sharma 6. Debabrata Swain |
| 23 | Valve Mediated, Hand Held, Soft Sediment Core retriever | 202221064511 | Published | 11/11/2022 | 12/9/2022 | Dr. Bhawanisingh G. Desai |
| 24 | A Novel Design Of Sequential Combination Of Ultrasound And Microwave System Used For Intensification Of Synthesis Of Biodiesel From Vegetable waste Oils | 202221064514 | Published | 11/11/2022 | 12/2/2022 | Dr. Surendra Singh Kachhwaha, Dr. PravinKodgire |
| 25 | A Device For Vision Inspection Of connecting Rod | 202221064527 | Published | 11/11/2022 | 12/9/2022 | Dr. M. B. Kiran |
| 26 | A Method Of Functionally Grading Marine Risers Externally With A Method Of Manufacturing Thereof | 202221064535 | Published | 11/11/2022 | 12/9/2022 | 1. Dr. Hari Sreenivasan 2. Dr. Shanker Krishna 3. Dr. Rakesh Kumar Vij |
| 27 | A Method Of Functionally Grading Marine Risers Internally With A Method Of Manufacturing Thereof | 202221064536 | Published | 11/11/2022 | 12/9/2022 | 1. Dr. Hari Sreenivasan 2. Dr. Shanker Krishna 3. Dr. Rakesh Kumar Vij |

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|----|--|--------------|----------------------------------|------------|-----------|---|
| 28 | Shape Memory Alloy Actuator | 202221064541 | Published | 11/11/2022 | 12/9/2022 | 1. Patel Kunjankumar Kantibhai 2. Dr. Niravkumar Pravinbhai Patel |
| 29 | A Noval Mechanism To Harvest Electrical Energy Fromrevolute Joints Of Suspension Linkagess | 202221064542 | Published | 11/11/2022 | 12/9/2022 | 1. Sopan Kane 2. Dr. Vinay Vakharia 3.Dr. Vivek Kumar 4. Dr. Simran Jeet Singh |
| 30 | Hot Water Storage Tank With Thermal insulation | 202221064550 | Published | 11/11/2022 | 12/9/2022 | 1. Dr. Anirbid Sircar 2. Dr. Kriti Yadav 3. Mrs. Namrata Bist |
| 31 | Nano Encapsulated Knee Plaster | 202221064556 | Published | 11/11/2022 | 12/9/2022 | Dr. S. Sundar Manoharan, Dr. D.Sivaraman, Dr. P. S. Pradeep, Dr. Sam Scudder, Mr. Darshan N Ladva |
| 32 | A Ready Laid Footpath Block Integrated With plant Pot | 202221064558 | Published | 11/11/2022 | 12/2/2022 | M. Manivel |
| 33 | A Portable Wheel Chock Foraircraft | 202221064564 | Under Screening & Classification | 11/11/2022 | Filed | Dr. Anirbid Sircar, Dr. Kriti Yadav |
| 34 | Multi-Purpose Stirred Cell SS Reactor For Gas-Liquid kinetic And Thermodynamics Study | 202221064572 | Published | 11/11/2022 | 12/9/2022 | Dr. Anirban Dey, Dr. Sukanta Kumar Dash, Mr. Umang Kumar Soni |
| 35 | Roadside Green Shelter Kiosk | 202221065000 | Published | 11/11/2022 | 12/9/2022 | Dr. Anurag Kandya, Dr. Chaaruchandra Korde |
| 36 | Removable Multi-Elastic Member Suspension Strut For All Terrain Vehicles | 202221064528 | Published | 11/14/2022 | 12/9/2022 | Mr. Rahul Deharkar, Dr. Anurag Mudgal, Dr. Vivek Patel |