

**LIST OF PATENTS PUBLISHED**

S.No	Application No.	Title of the Patent
1	201841028064	Sugarcane Harvesting Machine
2	201841033956	Horizontal Axis, Cam Guided, Telescopic Yaw Controlled Wind Mill
3	201841039661	An Accelerator Restriction System
4	201841038721	Development of Clutch based Mechanical oriented Side stand Retrieval system mechanism for 2 wheelers and Method thereof
5	201941000382	A Clutch Restriction System
6	201941002575	Double Glazing V-Trough Thermosypon Solar Water Heater with Horizontal Wing Cut Twisted Tape.
7	201941005201	Systems and Methods For Consumption and Generating Power Through The Flow of Water
8	201921016540	IMC - Charger
9	201941020013	Improving Efficiency of Fuzzy Model for Effort Estimation by Cascading Fuzzy Logic Controller
10	201941020007	Corrugated Boosted Reflector Solar Water Heater with Centrally Finned Twisted Tape Insert
11	201941020012	W-Shapped Babble Plate Solar air Heater
12	201911023126	High Efficient Wind –Solar-Diesel Hybrid System and method thereof for application in Remote Areas
13	201941027270	Hydraulic System Based Clutch Lever Restriction for Two Wheeler and Method There of
14	201941032130	Cam Operated Clutch Restriction System
15	201941033960	Mechanical Cam Actuated Barrel based Clutch Restriction System
16	201941031249	C-Shaped Baffle Plate Solar Air Heater for Enhancing Heat Transfer
17	201941046023	Multipurpose Unmanned Aerial Vehicle
18	201941046970	A device for preventing sound Alarm
19	202041024261	Nutritional Health Assessment and Diet Plan Prediction System for Children
20	202041024259	Compact and Handy Sanitary Napkin Incinerator
21	202041027643	Automatic Dimming Circuit for Automobile Headlights
22	202041028482	Coco Fibre Based Biodegradable Plant Container Fabrication
23	202041028484	Virus Control in Shrimp Cultivation based on Internet of Things
24	202041028483	Authentication Enabled Nutritional Health Assessment System
25	202041034021	Modular Assembly of a Nutritional Health Assessment Device for Children

S.No	Application No.	Title of the Patent
26	202041034782	System For Thermoelectric Power Generation From Massive Kitchen Waste Heat
27	AU2020101987	Dataset Discovery in data investigative using Machine Learning and AI Based Programming
28	PCT/IN2020/050800 (International)	Nutritional Health Assessment and Diet Plan Prediction System for Children
29	202041047537	Method And Apparatus For Monitoring Driver Alertness Using Iot
30	202041046405	Autonomous Drone With Rapid Response Surveillance System
31	AU2020103766	Methodology For Optimizing The Performance Of Data Learning Convergence With Minimal Computational Steps
32	202041051696	Complete Multi Storeyed Residence Water Management Using Scada Through Iot Sensor And Cloud System
33	202041053962	An Automatic Natural Light Intensity Control In Room Through Smart Window
34	202141000124	Development of Multi-Focus Image Fusion Algorithm for Improving the Depth of Field of imaging sensors in Visual Sensor Network Applications
35	202141003016	Body Vitals Monitoring Smart Mobility Assistance Walker
36	202141021933	Virtual Reality Learning And Amusement System Based On Artificial Intelligence (Ai) And Iot
37	202141026169	Artificial Neural network based early diagnosis of health deterioration
38	202141031825	A Technique To Identify I~V Linearity In Thermotropic Liquid Crystals
39	202121032245	Mine Ventilation System Using Iot
40	202141033818	Portable Incense Burner with Automatic Ash Disposal
41	202111046812	A Cloud Computing Technology-Based File Management And Uploading Method & Apparatus
42	202141049447	Agri-Tech Farming Revolution For Using Plc Solarwater, And Fertilizer's Pump With New Altered-Nozzl
43	202141050440	Estimating Method for Optimal Placement of Distributed Generation Unit
44	202141050439	Artificial Intelligence Based Early Detection System For Intestine Cancer
45	202241008278	Method to Observe Fast Data Transmission Light Rays
46	202241047617	Pressure Sensor Based Automatic Motorized Fishing Rod
47	202241047619	Ensemble Machine Learning Based Robotic System For Safe Ignition of Fireworks
48	202241045033	Food Delivery System and Method Thereof
49	202241045032	A Smart Wearable Protection Device
50	202241043770	3D Printer with a Filament Detection System
51	202241044074	Bottle Configuration with Multi Ingredients and Method Thereof
52	202241043771	Wearable Device and Method for Treatment of Plantar Fasia

S.No	Application No.	Title of the Patent
53	202241050493	Bottle Configuration System for Preparing Beverages and Method Thereof
54	202241050492	Filament Detection Device for 3D Printer
55	202241050495	Multi-Chamber Mop Bucket for Cleaning and Squeezing Mop Head and Method Thereof
56	202241050494	A Smart Portable Infusing Device for Hot Beverages and Method Thereof
57	202241050491	Mop Bucket with Smart Cleaning System
58	202241052366	Mop with Easy to Twist and Squeeze Mechanism
59	202241052363	Brightness Enhancing and Super Water-Repellent Composition for Transparent Films
60	202241052364	Wearable Device for Treating Tremors
61	202241052367	Anti-fall Disposable Diaper with Tightening Mechanism
62	202241057617	High Liquid Absorbent Multi-Functional Robotic Mop for Effective Cleaning and Method Thereof
63	202241057615	Self-Cleaning Robotic Mop Brush and Cleaning Method Thereof
64	202241057618	Control System and Method for Self Cleaning of Mop Brush in Automatic Floor Cleaning Devices
65	202241057616	A Smart Height Adjustable Retrofit Receptacle for Trash Cans
66	202241057619	Non-Invasive System for Treatment of Headaches and Method Thereof
67	202241059286	An Automatic Extendable Rear Seat for a Motorcycle
68	202241059287	Cooking System with Automatic Level Adjustment Mechanism of Containers and Method Thereof
69	202241059288	A Portable Smart Device with Washing and Squeezing Configuration
70	202241059285	Apparatus and Method for Noninvasive Treatment of Headache
71	202241059289	Automatic Sorting Trash Bin and Method Thereof
72	202241067266	A Smart Trolley with Multiple Selectively Compartments and Method of Operating Same
73	202241067267	A System for Identifying Medication Containers and Method Thereof
74	202241067270	A Medical Interactive Kiosk Interface Unit and Method of Use
75	202241067269	A Surveillance System for Detecting Abnormal Situations and Method Thereof
76	202241067274	A Portable Apparatus for Washing and Squeezing Clothes and Method Thereof
77	202241067271	A Floor Drain Trap with an Automatic Waste Cleaning System and Method Thereof

S.No	Application No.	Title of the Patent
78	202241067275	A Height Adjustable Seat Apparatus for a Toilet Commode and Method Thereof
79	202241067268	A Self Wringing Mop Stick and Method of Operating Same
80	202241067276	A Wet Grinder with a Batter Dispensing System and Method Thereof
81	202241067273	A Sanitizer Dispensing System and Method for Automatically Sanitizing Door Handles
82	202241067272	Fractal Based MultiInput and MultiOutput (MIMO) Antenna with Circular Patches in Rectangular Slots
83	202241067265	Fractal Based MultiInput and MultiOutput (MIMO) Antenna for Wideband Applications
84	²⁰²²⁴¹⁰⁶⁷²⁷⁴ International- <i>Germany</i>	A system for studying the performance of a photovoltaic panel under shady conditions
85	202241072390	System and Method for Converting Audio-Frequency Signal into Electromagnetic Spectrum
86	202241075065	A Smart Trolley with a Pneumatic Alignment System for Multiple Selectively Compartments and Method Thereof
87	202241075060	A Multi-Chambered Bottle Configuration for Preparing Beverages
88	202241075067	A Suggestive Batter Storage Unit with an Automatic Fermentation Controlling and Detecting System and Method
89	202241075062	A Control System and Method for a Universal Height-Adjustable Seat Apparatus of a Toilet Commode
90	202241075063	A Smart Alcohol Stirrer for a Container and Method for Providing Interconnection between the same
91	202241075064	A Personalized Container Having a Liquid Dispensing System and Method Thereof
92	202241075068	A Customized Batter Storage Unit for Sorting and Fermenting a Batter and Method Thereof
93	202241075066	An Automatic Sanitizer Dispensing Accessory for Door Handles
94	202241075059	A Control System and Method for an Automated Hand Sanitizer Dispensing Apparatus
95	202241075061	A Smart Personalized Multifunctional Hair Comb and Method of Operation Thereof
96	202241075069	An Apparatus for Measuring, Trimming and Horseshoe Placement and Method of the Same
97	202341004516	A Smart Interactive Alcohol Detection Apparatus and Method Thereof
98	202341004517	A Vocal Training System and Method for Suggesting Individuals Based on Voice and Facial Expressions
99	202341004520	An Automatic Dispensing Apparatus for Quality Detection of Sanitizer and Method Thereof
100	202341004519	An Efficient Sanitizer Dispensing Accessory for Door Handles
101	202341004518	An Adaptable Horseshoe with an Interactive System and Method for Fitting the same
102	202341004502	An Automatic Hair Detangling Comb and Method of Operating the Same
103	202341004503	An Apparatus and Method for Sterilizing and Disposing Face Masks
104	202341004501	A Container with a Treatment System for Ion Balancing and Mineralizing Water and Method Thereof

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105	202341004504	A Load Carrying Pan with Inbuilt Load Distributing Panels and Method of Operating the Same
106	202341004505	A Smart Glove for Inspecting Quality and Purity of Cement and Mortar and Method Thereof
107	202341012229	A Portable Concrete Mixer with a Foot-Pedal Mechanism and Method of Operating the Same
108	202341012230	A Power-Driven Hand-Held Profile Cutting tool and Method of Operating the Same
109	202341012227	A Traffic Baton for Detecting and Tracking Violation Vehicles and Method Thereof
110	202341012232	A Portable Self-Cleaning Toilet Accessory and Method of Operating the Same
111	202341012228	A Self-Wringing Mop with a Dual Twist Mechanism and Method of Operating the Same
112	202341012844	Windshield Wiper with a deicer and a Self-Cleaning system and Method of Operating the Same
113	202341012842	Smart glasses for assisting individuals with visual and hearing impairments and Method Thereof
114	202341013316	A Power Operated Fastener Extracting Hand tool and Method of Operating the Same
115	202341012840	A Smart Accessory for Allowing Partitions to a Shopping Trolley and Method Thereof
116	202341012845	A Roof Ventilation System for Vehicles
117	202341020573	A Multi-functional Oil Extractor for Extracting Peanut Oil and Butter and Method Thereof
118	202341020574	An Airbag Inflation Control system and Method for Operating the Same
119	202341020576	A Pillow with a Sleep Intrusion Evaluating Device and Method of Operating the Same
120	202341020572	An Automatic Priming Accessory for Centrifugal Pumps and Method of Operating the Same
121	202341020575	A System with Automatic Ultraviolet Disinfection Sheets for Disinfecting Objects and Method Thereof
122	202341020569	Rollover Prevention and Battery Pre-heating System for Electrical Vehicles and Method of Operating the Same
123	202341020570	A Variable Buoyancy Floating Fender
124	202341020571	An Adaptive Relaxing Medical Chair and Method of Operating the Same
125	202341020567	A Smart Hydroponic Farming Automation Apparatus and Method of Operating the Same
126	202341020568	A Spring Loaded Accessory for a Cooker's Pressure Regulator and Method of Operating the Same
127	202341029433	Smart Accessory with Size Variant Partitions for Shopping Trolleys and Method of Operating the Same
128	202341029434	An Interactive System with a Haptic Racket and Method for Providing Reality Gaming Experience
129	202341029430	A Twisting Accessory for a Mop Stick to Squeeze a Mop Head and Method Thereof
130	202341029435	An Anti-Splashing System for vehicles to Prevent Water Splashing and Method Thereof
131	202341029436	A Mono-Segmented Anti-Splashing Device for Vehicles to Prevent Water Splashing Due to Hydroplaning

S.No	Application No.	Title of the Patent
132	202341029432	A Universal Water Tank Cleaning Accessory and Method of Operating the Same
133	202341029431	An Adaptive Glaucoma Detection Device and Method of Operating the Same
134	202341029437	A Smart Spoon with an Automatic Crushing Unit and Method Thereof
135	202341029438	A Conveyor System for Effective Sorting and Holding Objects and Method There of
136	202341029439	A Suggestive and Defogging Eyeglasses Frame and Method of Operating the Same
137	202341035540	Wireless Earphones with a Volume Control System and Method of Operating the Same
138	202341035539	A Smart Anti Slipping Accessory for Eyewear Glasses and Method of Operating the Same
139	202341035535	A Multi Functional Intelligent Chisel Machine with Chisel Blades and Method of Operating the Same
140	202341035537	An Herbal Composition for Treating Breast Cancer
141	202341035536	White Spot Syndrome (WSS) Virus Disease and Method Thereof
142	202341035549	A Multimode Ploughing Frame Unit and Method of Operating the Same
143	202341035551	A Chainsaw Sharpening Accessory for Grinding Blade Profile of a Chainsaw and Method Thereof
144	202341035550	A Compact Milk Processing and Packaging System and Method of Operating the Same
145	202341035552	Portable Cleaning Accessory with a Protective Cover for Vehicles and Method of Operating the Same
146	202341035548	A Smart Accessory for Detecting Leaks in Domestic Gas Supply Hoses and Method Thereof
147	202341040616	Electric Pedestal Fan with Self-adjustable Flaps for Air-flow Regulation and Method of Operating the Same
148	202341040619	A Cone Penetration Testing Apparatus for Measuring Soil Properties and Method of Operating the Same
149	202341040618	A Wearable Device for Automatically Detecting and Preventing User's Motion Sickness Condition and Method Thereof
150	202341040620	An Apparatus for Conducting CBR Test and CPT Test and Method of Operating the Same
151	202341040617	A Portable Accessory for Chairs to Lift an Individual from a Seated Position and Method Thereof
152	202341040624	An Electric Toothbrush with an Automatic Tongue Scraper and Method of Operating the Same
153	202341040625	An Anti-Leakage Detection and Self Sealing Accessory for Gas Supply Hoses and Method Thereof
154	202341041280	A Light Post with an Air Purification Unit for Purifying Ambient Air and Method Thereof
155	202341040629	A Flexible Stub Axle Assembly for Racing Vehicles
156	202341041278	A Smart Protective Case Accessory for an Electronic Device and Method of Operating the Same

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157	202341036035	A Poly-herbal Anti-Diabetic Composition and Method of Preparing the same
158	202341046781	Smart Aquatic Propulsion Vehicle for Surfing on Water Bodies and Method of Operating the Same
159	202341047780	An Adjustable Pedal Device with a Foot Rest Platform for a Vehicle and Method Thereof
160	202341047782	Automatic Hyperbaric Chamber with Standoff Sleeves for Welding Pipelines and Method of Operating the Same
161	202341046780	A Paddle Wheel Aerator with a Swirl Generating Unit for Aerating Water
162	202341046783	A Rainwater Purification Device and Method for Operating the Same
163	202341047779	An Apparatus for Measuring Free Space in Core Cutter to Find Soil Volume and Dry Density
164	202341047783	A Method for Controlled Expansion of a Floating Fender to Adapt for Different Water Levels
165	202341046782	Control Valve with a Cost-effective Design to Control a Flow of Fluids and Method Thereof
166	202341047781	A Concealed Suspension Lean Stand for Two wheelers to Provide Support in a Leaning Position
167	202341046779	A Self-Controlled Water Floating Oil Skimmer and Method of Operating the Same
168	202341052914	A Lever-type Accelerator Apparatus for a Gearless Two wheeler Vehicle and Method of Operating the Same
169	202341052912	Multi-Functional Helmet with a Rain and Neck Protection Unit and Method of Operating the Same
170	202341053593	A Portable Stair Climbing Accessory and Method for Operating the Same
171	202341052913	Optimized Spray Dryer with an Inbuilt Pulverize System for Producing Fine Particles and Method Thereof
172	202341053592	A Unitary Cashew Fruit and Nut Processing Machine and Method of Operating the Same
173	202341053595	A Pedestal Fan with an Integrated Air Purification System and Method for Operating the Same
174	202341053594	A Cost-Effective Aquaponics System for Recycling Nutrition Liquid and Aeration Processes and Method Thereof
175	202341052915	An Effective Pottery Making Machine and Method of Operating the Same
176	202341053597	An Optimized Universal Coir Rope Making Machine and Method of Operating the Same
177	202341052911	A Nutraceutical Topical Dermal Composition and Method of Preparing the Same
178	202341060208	An Automatic Wringing Accessory for a Mop Head and Method of Operating the Same
179	202341060206	A Blowout Preventer with Effective Shearing and Pressure Controlling Diffusers and Method of Operation
180	202341060210	A Climbing Vehicle with Electro-active Grippers for Extracting Liquids Stored in Bamboo Tree and Method Thereof
181	202341060213	A Mechanically Operated Climbing Vehicle for Extracting Liquids Stored in Bamboo Tree and Method Thereof
182	202341060214	A Smart Cleaning Device for Effectively Removing Dust from Footwear and Method Thereof
183	202341060205	System and Method for Monitoring Jet Grouting Parameters to Prevent Soil Fractures during jet grouting

S.No	Application No.	Title of the Patent
184	202341060211	An Efficient Mop Wringing Accessory with an Air Blowing Function and Method of Operating the Same
185	202341060209	A Smart Pigging Accessory for Cleaning Rust and Fixing Cracks of Pipelines and Method Thereof
186	202341060207	A Unitary Alcohol and Smoke Detection Accessory and Method of Operating the Same
187	202341060212	A System and Method for Monitoring Alcohol and Smoke Consumption by Individuals
188	202341066581	A Welding Fixture to Perform Multiple Welding Techniques and Method of operating the Same
189	202341066580	An Apparatus for Separating Coal Tar and oil from a Mixture and Method Thereof
190	202341066497	An Apparatus for Pre-Treatment of organic Waste and Method Thereof
191	202341066498	A Skateboard with Steering and Braking Functions and Method of operating the Same
192	202341066582	An Automatic Eyedrop Dispensing Device and Method of operating the Same
193	202341066499	A Novel Peanut Brittle Making Machine and Method of operating the Same
194	202341066500	A Smart Device for Controlling Hypersalivation and Method for operating the Same
195	202341066578	A Bicycle Assisting Assembly for Supporting a cyclist and Method of operating the Same
196	202341066579	Adult Diaper with Elastic Thigh Cups and String Locking Mechanism to Prevent Leakage of Waste
197	202341066501	Eye-drop Dispensing Device with an Automatic Bottle Recognition Function and Method for operating the Same
198	202341076414	An ArtificialIntelligence (AI) Based Tag for Assisting Individuals and Method Thereof
199	202341076415	An Automatic TileTiling and Levelling Machine and Method of operating the Same
200	202341076413	Self-Powered AI-Based Delineator System and Method for Assisting Vehicle Drivers on Roadways and Hairpin Turns
201	202341076416	An Adjustable Handlebar for a Bicycle to Change Reach in a Linear Direction
202	202341077774	Automatic Wire Mesh Bending Machine to Produce Customized Wire Meshes and Method Thereof
203	202341076417	Eye-Drop Dispensing Device with Automatic Eyelid Opening and Eye Drops Dispensing Functions and Method Thereof
204	202341077773	A Ceiling Fan with Automatic Cleaning Unit and Method of Operating the Same
205	202341077775	A Degasser Machine for Collecting Gases from a Drilling Fluid and Method Thereof
206	202341077777	A Dual-Chambered Wheelbarrow witha Tilting Control System and Method of operating the Same
207	202341077776	An Effective Wall-mounted Umbrella Dewatering Deviceand Method of operating the Same
208	202341061236	A Self-starting System for a Gearless Two-Wheeled Vehicle and Method of operating the Same
209	202341061235	A Method of Preparing Chondroitin Sulfate-Stearyi Amine Conjugateas Targeted Delivery Therapeutics for Breast Cancer
210	202341061240	A Polyherbal Composition for Protection against Hepatotoxins and Method for Preparing the Same

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211	202341061239	An Herbal Composition for the Treatment of Diabetes Wounds and Method of Preparing the Same
212	202341061238	Microsphere-Based Nutraceutical Composition for Treatment of Polycystic Ovary Syndrome and Method for Preparing the Same
213	202341061237	Ytterbium-Doped Metal Oxide Nanoparticles and Method for Preparing the Same
214	202341090178	A System for Enabling Global Communication and Safety Monitoring and Method Thereof
215	202341090179	Composition for Synthesizing of Lacosamide Conjugated Chitosan (LAC-CS) Nanoparticles as Anti-cancer Agent and Method Thereof
216	202341090177	A Method for Synthesizing Dregia Volubilis Polyphenol-Capped Palladium Nanozymes for Treating Diabetic Wounds
217	202341084510	A Fishing Rod with Automatic Fishhook Lifting and Line Winding Functions and Method of operation
218	202341084507	An Automatic Cleaning Accessory for Ceiling Fan Blades and Method of Operating the Same
219	202341084511	A Squeezing Machine to Perform Squeezing and Drying Operations and Method Thereof
220	202341084508	A Handlebar Assembly for Independently Adjusting Dropand Reach of a Bicycle and Method Thereof
221	202341084509	An Automatic Coconut De-husking and De-shelling Machine and Method of Operating the Same
222	202341084527	An Umbrella with an Adjustable Canopy and Method of Operating the Same
223	202341084528	A Dewatering Device with a Drainage System and Method forWiping Water from an Umbrella
224	202341084530	A Fishing Rod with Automatic Pull-Up and Fishhook Removing Functions and Method of operation
225	202341084526	A Ceiling fan with Automatic Cleaning and Dispensing Unit and Method of Operating the Same
226	202341084529	An Automatic Eyedrop Dispenser with a Fluid Prevention through User's Nasal Passage and Method Thereof
227	202441001146	An Automatic Side Stand Retrieval System for Vehicles and Method of Operating the Same
228	202441001147	A Portable Machine for Applying Adhesives to Shoe Soles and Method Thereof
229	202441001145	A Hybrid Desalination Device with an Improved oil-Water Separation Function
230	202441001143	A Door Lock System Integrated with Lockable Hinges and Method of Operating the Same
231	202441001144	A Liming and De- Liming Device and Method for Continuously Monitoring and Examining Animal Hides
232	202441001243	Ground Drying Device with an Inbuilt Drying System for Efficient Drying and Method Thereof
233	202441001245	Smart Eye Cleaning Device with Automated Dust Detection and Eyelid Care Functions and Method Thereof
234	202441001246	A Gas Spring with Sequential Lifting of Multiple Pistons and Method of operating the Same
235	202441001242	A De-Hairing and Fleshing Device for Animal Hides to Produce Quality Leather and Method Thereof
236	202441001244	Artificial Intelligence-Based System to Provide Real-time Balance Assistance to Horse Riders and Method Thereof
237	202441007403	A Honey Extraction Device with a Built-in Honeycomb Balancing Unit and Method of Operation

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238	202441007407	A Stirrup Length Adjusting Device for Enhancing Rider Comfort and Safety While Riding a Horse
239	202441007404	A Synergistic Migraine Relief System with Head-Wearable and Eyewear Units and Method of Operation
240	202441007405	Leather Tanning Device with a Hot Air Generation and Circulation system and Method of Operation
241	202441007406	An Automatic Toddy Extraction and Collecting Device and Method of Operating the Same
242	202441007449	A Kernel Decortication Device for Extracting Fruit Kernels from Seeds and Method Thereof
243	202441007447	A Self-balancing Honey Extraction Device with an Internal Filtration Unit and Method Thereof
244	202441007448	An AI-based Fat Liquoring Device for Enhanced Leather Quality and Method Thereof
245	202441007446	An Automatic Flutter Kick-Assisting Device to Train Swimmers and Method of Operating the Same
246	202441007450	An Advanced Safety System with Airbag Deployment Mechanism in Train Compartments and Method Thereof