

Published Patents from 2015 To 2022							
S.No	year	count	Total	Title of Patent	Name(S) of the Inventor(S)	Patent Application No	Date of Publication
<b>Automobile Engineering / Automobile Electronics</b>							
1	2015	1	1	Safe Calls For Vehicle Riders	Ganesan Kaliyaperumal Vishnu S, Nair Jenish Abraham. V	5396/CHE/2015	4/14/2015
2		2	2	Imaging Based Automatic Vehicle Windshield/Window Tint Detection System	Kaliyaperumal Ganesan, Swapnil M Parate	5580/CHE/2013	6/12/2015
3		3	3	Mobile Usage Denial System While Driving Vehicles	Kaliyaperumal Ganesan, Sidda Mahesh Reddy	5578/CHE/2013	6/12/2015
4	2016	1	4	Next Generation Remote Control	Ganesan K, Santosh K, Surya Rao T J N, Narasimha Rao K, Mahesh M B S, Balaji Gupta S, Manikanta D	2010/CHE/2013	6/10/2016
5		2	5	Customer Centric Secured Locker System	Kaliyaperumal Ganesan, Kanaga G	5576/CHE/2013	6/24/2016
6		3	6	Electronic Belt For Waist Measurement	Kaliyaperumal Ganesan, Surya Rao T J N, Narasimha Rao Kommuri	5582/CHE/2013	6/24/2016
7		4	7	Smart Bin Tracking System	Kaliyaperumal Ganesan, Sayan Giri, Satyajit Bhattacharya	5443/CHE/2014	7/1/2016
8	2017	1	8	Internet Of Things (Iot) Enabled Smart Cooking System	Ganesan K, Revathi T	5395/CHE/2015	4/14/2017
9	2018	1	9	A Vehicle Traction System	Subramaniam C, Ganesan K, Givith Abraham, Jayapal Chodon, Jerin Geogy George, Nithin Puthiyaveetil, Siddharth M	201641027055	2/9/2018
10		2	10	Automatic Vehicle Air Conditioner Load Manager System And Method	Ganesan K, Rammohan A R, Mathiazhagan	201841037007	11/30/2018
11		3	11	Energy Utilization System And Method For A Two- Wheeler	Subramaniam C K, Ganesan K, Ratayan Jeta	201741020328	12/14/2018
<b>Mechanical Engineering</b>							
12	2016	1	1	Structure To Reduce Noise In Linear Switched Reluctance Motor	Lenin N C, Arumugam R	3330/CHE/2014	2/12/2016
13		2	2	Governor Controlled Dual Charger (Antilag Turbocharger)	Venugopal Thangavel, Tapan Mujumdar Abhisek Kumar Singh	4477/CH E/2014	7/1/2016
14		1	3	Single Axis Semi Automatic Tracking Mechanism For Solar Invention	Srinivas T	5030/CHE/2015	7/21/2017

15	2017	2	4	Tri Generation Cycle	Srinivas T	5029/CHE/2015	7/21/2017
16		3	5	Sliding Vane Internal Combustion Engine	Kovalan S, Arun Tom Mathew	201641016649	11/17/2017
17	2018	1	6	Seat Position Adjusting Mechanism For Lifting And Shifting A Seat Of A Wheelchair	Ramakrishnan R, Saransh Chawchharia, Anirudhparmar, Akshay Bhaskar	201841034478	11/2/2018
18		2	7	Hybrid Power Generator Assembly For Hybrid Generation Of Electricity	Natarajan Ramakrishna	201741016654	11/17/2018
19		3	8	Solar Pv Panels Assembled As A Raceway Pond For Generating Electric Power And Cultivating Algae	Natarajan Ramakrishna	201841037173	11/30/2018
20		4	9	Asymmetric Strain Wave Gearing System	Bikas Routh	201841005925	11/30/2018
21	2019	1	10	Rotating Radiator For Improved Heat Transfer In Motor Vehicles	Abinav Shankar, Ashok, Yagnavalkya Mukkamala	201741025506	1/25/2019
22		2	11	A Novel Two Speed Transmission Gearbox For A Differently Abled Friendly Wheel Chair	Ramakrishnan R, Ankit Sharma	201941009878	3/22/2019
23		3	12	Multi Thermocouple Technique To Nullify Radiation Error In Temperature Measurements	Vijesh V, Shrirang Ambaji	201941011055	3/24/2019
24		4	13	Process Of Manufacturing A Ti-Based Implant With Improved Surface Properties	Revathi.A, Geetha Manivasagam, Sathya Swaroop	201941005757	8/9/2019
25	2020	1	14	An Automated System For Sanitizing A Pre-Defined Vicinity	Arivazhagan Natarajan, HarsUmang, Harshal Thikare, Madhukumar S	201941047690	2/3/2020
26		2	15	Walker Assembly For Hemiplegic Patients	Arun Tom Mathew, Prahlad Rajhans	201841044742	5/29/2020
27		3	16	An Integrated Tool Holder Device With A Multi-Cooling System	Venkatesan Kannan, Devendiran Sundararajan, Arun Tom Mathew	201941005826	8/21/2020
28		4	17	Variable Stroke Volume Reciprocating Pump	Naman Sachdeva, Edision G, Saksham Verma, Shreyas Shanker, Bhavya Mathur	201941015369	10/20/2020
29	2021	1	18	Cutting Tool To Drill Square Holes	Rajyalakshmi G, Aravind Raj S, Pushparaj RM	201941044985	5/7/2021
30		2	19	A Solar Assisted Close Coupled Hybrid Desiccant Wheel System With A Catalytic Combustion Unit	Selvaraj, Sekarapandian Natarajan	202141005376	10/8/2021
31		3	20	A Liquid-Cooled Battery Thermal Management System For A Two-Wheeler Vehicle	Thundil Karuppa Raj Rajagopal, Elangovan Devaraj, Jeevesh Jain, Sumit Nilesh Vadodaria	202141005377	4/2/2021
32		4	21	Modular Filtration system for Harvesting pure Rain water.	Sejal Budholiya, Aayush Bhat, Anubhav Anurag, S.Aravind Raj	202141017620	2/7/2021

33	2022	1	22	Integrated Ambulance stertcher Assembly	Aayush Bhat, Anubhav Anurag, Sejal Budholiya, Dr.S.Aravind Raj	202241006828	2/18/2022
34		2	23	Three - Dimensional 3D printer for printing a multi - Layer and a multimaterial Extrusion	Renold Elsen S, Jishita R, Mahendran T	202141057146	2/18/2022
35		3	24	Method for switching a combustion mode from compression - Ignition to Homogeneous - charge compression -Ignition	M.Mohamed Ibrahim, S. Sathishkumar	202041044589	4/22/2022
36		4	25	VISION ENCHANCED SOURCE SEEKING MICROPHONE	S. Renold Elsen , Abivishaq Balasubramanian, Kathiravan Srinivasan	202241064115	12/2/2022
37		5	26	RETRACTABLE LADDER	Arun Tom Mathew, Sejal Budholiya, Aayush Bhat, Anubhav Anurag	202141028766	30/12/2022
38		6	27	TWO-STAGE HYDROGEN-BASED THERMOCHEMICAL ENERGY STORAGE SYSTEM	Vinod Kumar Sharma, Manoj Shyamrao Choudhari, Manikant Paswan, Badiganti Chandra Mouli	202241030330	11/25/2022
39		7	28	Bi-Symmetrical web flow thermal absorber for photovoltaic thermal system	Y. Raja Sekhar , V. Tirupati Rao	202241030388	6/10/2022
40		8	29	CONCURRENT INLET SERPENTINE FLOW THERMAL ABSORBER FOR PHOTOVOLTAIC THERMAL SYSTEM	Y. Raja Sekhar , V. Tirupati Rao	202241068519	12/9/2022
<b>Bio Sciences and Technology</b>							
41	2017	1	1	METHOD OF ENHANCING ANTIMICROBIAL ACIVITY USING LINEAR ALKYL BENZENE SULPHONATE (LAS)	Jayaraman G, Rajiniraja M	201641009938	9/29/2017
42	2018	1	2	A Nanobiocomposite For The Removal Of Mercury(Ii) Ions From Aqueous Solution	Devlina Das, Lina Rose Varghese, Nilanjana M	201641034054	4/6/2018
43		2	3	A Layered Double Hydroxide (Ldh) For The Remediation Of Organophosphate Pesticides	Sahithy A K, Devlina Das, Nilanjana M	201641039253	5/18/2018
44		3	4	Stabilization Of Lyophilized Caudovirales Bacteriophages	Ramesh N, Prasanth .M	201841034247	11/2/2018
45		4	5	Non-Invasive Salivary Glucose Estimator For Estimating A Concentration Of Glucose Present In Saliva Sample	Radha Saraswathy, Murugan Ezumalai	201741019077	12/7/2018
46		5	6	Bio Compisition For Degrading Phenylpyrazole Insecticide	Jayanthi Abraham , Anugurga G,	201741020327	12/14/2018
47	2019	1	7	Bread Making Process To Reduce Residual Bromate	Ramalingam Chidambaram, Chandan Krishnamoorthy	201941026398	7/29/2019
48		2	8	Hybrid Hydrogel Dispersed Low Fat And Heat Resistant Chocolate	Ramalingam Chidambaram, Florentina Priyangini Francis	201941029712	7/31/2019
49	2020	1	9	Bioactive Compounds Against Leishmania Donovanii And Method Of Production Thereof	Veena Sreedharan, Kokati Venkata Bhaskara Rao	201841043275	5/20/2020

50	2021	1	10	Rapid Sperm Genomic DNA Isolation Protocol And Kit	Parameswari R, Sridharan T.B.	201941033490	2/26/2021
<b>Electronics Engineering</b>							
51	2016	1	1	Polymer Blend Composition With Increased Weld Line Strength And Process Of Preparation Of The Same	Arungalai Vendan	4415/CHE/2014	7/1/2016
52		2	2	Thermoplastic Elastomeric Blend Composition With Increased	Arungalai Vendan, Chinnadurai Thangam, Senthil Kumar K	1071/CHE/2015	9/9/2016
<b>Electrical Engineering</b>							
53	2019	1	1	Internet Of Things (Iot) Based Thin Film Biosensor To Detect Uric Acid	Vivekanandan S, Parthasarathy.P	201841019379	11/29/2019
54		2	2	Current Fed Fuel Cell Powered High Voltage Charging Circuit For Electric Vehicles	Elangovan D, Peter K Joeseeph, Thundil Karupuraj	201941048472	12/13/2019
55	2022	1	3	MULTILEVEL INVERTER FOR GENERATING LEVEL OUTPUT VOLTAGE	Daki Krishnachaitanya, Chitra A	202241031537	12/2/2022
56		2	4	CONTACT-LESS DEVICE FOR DETERMINING RESPIRATION RATE	SELVAKUMAR KARUPPUSAMR, SAILESH M	202241033456	7/1/2022
<b>Advanced Sciences ( Physics &amp; Chemistry )</b>							
57	2016	1	1	Method For Improving Compressive Residual Stress And Hardness In AISI 321 Stainless Steel Using LASER Peening	Kalainathan S, Karthik D, Sathya Swaroop N R	1365/CHE/2015	9/30/2016
58	2017	1	2	Process For Treating Material Surfaces Using Warm Laser Shock Peening Without A Coating	Kalainathan S, Prabaharan S	201641006200	8/25/2017
59	2018	1	3	Stable Formulation Development For Nitroglycerin Sublingual Tablets By Direct Compression Technique With Povidone And Crospovidone	Sangeetha Dhanaraj, Manoj Kumar V	201641022805	1/26/2018
60		2	4	Removal Of Dyes From Effluents In Absence And Presence Of Light Employing A Novel Nanocomposite	Rajagopalan Vijayaraghavan, Lakshmi Prasanna Vaddadi	201641024032	1/19/2018
61		3	5	Process For Severe Laser Shock Peening Using Low Energy Nd: Yag Laser	Kalainathan S, Prabhakaran S	201641031003	3/16/2018
62		4	6	Method Of Extracting Bioactive Compounds With Antidiabetic And Anticancer Activity From Pods Of Pithecellobium Dulce	Mary Saral A, Preethi S	201741034217	11/2/2018
63		5	7	Organoruthenium Based Phototoxic Cancer Cell Markers And Methods Of Preparation And Use	Priyanka Paira ,Anuja Plavuvapil Kumaran , Lavanya Thilak AshaparnaMondal	201741020410	12/14/2018
64		1	9	Photonic Crystal Based Optical Logic Gates That Employs An Optical Kerr Effect	Renju Rajan, K. Senthilnathan, P.Ramesh Babu	201941034122	2/26/2021

65	2021	2	10	Adapter For Fluorescence Imaging	Jitendra Satija, Sangeeta Yadav, S. Manoj Kumaran	201941042478	4/23/2021
66		3	11	Internet Of Things (Iot) Based Fuel Meter	Kaliyaperumal Ganesan, R. Karthik, . Rammohan. A	201941034933	5/3/2021
67	2022	1	12	CERAMIC COMPOSITES BASED PORTABLE ELECTROMAGNETIC RELAY SWITCH	Madhuri W, Shaik Kaleemulla,K. V. Siva Kumar	202241035440	8/19/2022
<b>Civil Engineering</b>							
68	2021	1	1	A Prefabricated Assembly Of Grated Stone Columns For Improving The Performance Of Soft Grounds	Muthukumar M	202141029295	4/2/2021
69	2022	1	1	FIBER-INTRUDED SYNTHETIC VARIOUS SHAPED AGGREGATES FOR CONCRETE AND METHOD OF PRODUCING THE SAME	A. Abdul Rahim, R. Vignesh	202241050125	12/2/2022
<b>Nano Bio-technology</b>							
70		1	1	Process For Detection Of Homocysteine In A Urine Sample Using Gold Nanoparticles Laden Detection Strip	Amitava Mukherjee, Chandrasekaran N, Abhinav Parashar	201741007445	4/6/2018
71		2	2	Process For Scaling Up Of The Synthesis Of Zero Valent Iron Nanoparticles (Nzvi)	Amitava Mukherjee, Chandrasekaran N, Mrudula P, Deepak Kumar, Konda Venkata Giri R	201741007444	4/6/2018
72	2018	3	3	Process Of Synthesing Nano Zero Valent Iron-Calcium Alginate Beads For Removal Of Dye From Effluent	Amitava Mukherjee, Chandrasekaran N, Mrudula P, Konda Venkata Giri R	201741005011	4/6/2018
73		4	4	Method For Detection Of A Warfare Agent Using Immobilised Acetylcholinesterase Enzyme In A Glass Substrate	Amitava Mukherjee, Chandrasekaran N, Dashanada Nanda Kumar	201741005012	6/8/2018
74		5	5	Formulation Comprising Lemongrass Oil With Anti Bacterial Properties	Chandrasekaran N, Amitava Mukherjee, Andrew Ebenazer L	201741005874	8/24/2018
75	2019	1	6	Gold Nano Particle Immobilised Glass Substrate To Detect Melamine And The Method Of Detection	Amitava Mukherjee, Chandrasekaran, Ida Evangeline Paul	201741027740	1/11/2019
76	2020	1	7	A Bimetallic Nano-Zerovalent Iron Nanoparticle Coated Quartz Sand And Method Of In-Situ Synthesis Thereof	Amitava Mukherjee, Chandrasekaran N, Konda Venkata Giri Ravi Kumar, Geetha gopal	201941052328	2/3/2020
77		1	8	Silver Nanoparticle-Based Biosensor For Detection Of Target Nucleic Acid Of Serotype Specific Dengue Virus	Chandrasekaran N, Amitava Mukherjee, Saranya.V	201941035852	3/12/2021
78	2021	2	9	Cocktail Of Newly Isolated Lytic Bacteriophages Against Multi Drug Resistant Salmonella And Uses Thereof	Avtar Sain, Jayaprakash N. S.	202041006569	4/20/2021
79		3	10	Adapter For Fluorescence Imaging	Jitendra Satija, Sangeeta Yadav, S. Manoj Kumaran	201941042478A	4/23/2021
80	2022	1	11	Two - part Epoxy Adhesive composition with improved pot life and preparation method thereof.	M Shiva Shankar, Natrajan Chandrasekaran, Arun KumarAwasthi	202041044588	4/22/2022
81		2	12	METHOD FOR SYNTHESIS OF BIMETALLIC BIO-Pd/Fe CORE SHELL AEROBIC GRANULESAND ITS USE IN DYE DEGRADATION	Amitava Mukherjee, P. Mrudula, Hemamalathi Kubendiran	202241065854	12/2/2022

**Information Technology**

82	2022	1	1	SMART CROWD SOURCED POTHOLE MONITORING AND MAINTENANCE SYSTEM AND METHOD	Sumaiya Thaseen , Kashish Jain ,Apoorv Goyal	202241069806	12/30/2022
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**Chemical Engineering**

83	2022	1	1	POLYOL COMPOSITION FOR SYNTHESIZING POLYURETHANE FOAM	Mohammed Rehaan Chandan, Mohammed Rizwan, Aabid Hussain Shaik	202241041158	12/2/2022
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