

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
Automobile Engineering / Automobile Electronics							
1	2015	1	1	Safe Calls For Vehicle Riders	Ganesan Kaliyaperumal Vishnu S, Nair Jenish Abraham. V	5396/CHE/2015	14-04-2015
2		2	2	Imaging Based Automatic Vehicle Windshield/Window Tint Detection System	Kaliyaperumal Ganesan, Swapnil M Parate	5580/CHE/2013	12-06-2015
3		3	3	Mobile Usage Denial System While Driving Vehicles	Kaliyaperumal Ganesan, Sidda Mahesh Reddy	5578/CHE/2013	12-06-2015
4		4	4	Detection Of Improper Usage Of Clutch	Rammohan A, Kaliyaperumal Ganesan, Sree Harsha K, Navaneeth Ankam	5581/CHE/2013	12-06-2015
5	2016	1	5	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	10-06-2016
6		2	6	Customer Centric Secured Locker System	Kaliyaperumal Ganesan, Kanaga G	5576/CHE/2013	24-06-2016
7		3	7	Electronic Belt For Waist Measurement	Kaliyaperumal Ganesan, Surya Rao T J N, Narasimha Rao Kommuri	5582/CHE/2013	24-06-2016
8		4	8	Smart Bin Tracking System	Kaliyaperumal Ganesan, Sayan Giri, Satyajit Bhattacharya	5443/CHE/2014	01-07-2016
9	2017	1	9	Internet Of Things (Iot) Enabled Smart Cooking System	Ganesan K, Revathi T	5395/CHE/2015	14-04-2017
10	2018	1	10	A Vehicle Traction System	Subramaniam C, Ganesan K, Givith Abraham, Jayapal Chodon, Jerin Geogy George, Nithin Puthiyaveetil, Siddharth M	201641027055	09-02-2018
11		2	11	Automatic Vehicle Air Conditioner Load Manager System And Method	Ganesan K, Rammohan A R, Mathiazhagan	201841037007	30-11-2018
12		3	12	Energy Utilization System And Method For A Two- Wheeler	Subramaniam C K, Ganesan K, Ratayan Jeta	201741020328	14-12-2018
Mechanical Engineering							
13	2016	1	1	Structure To Reduce Noise In Linear Switched Reluctance Motor	Lenin N C, Arumugam R	3330/CHE/2014	12-02-2016
14		2	2	Governor Controlled Dual Charger (Antilag Turbocharger)	Venugopal Thangavel, Tapan Mujumdar Abhisek Kumar Singh	4477/CH E/2014	01-07-2016
15	2017	1	3	Single Axis Semi Automatic Tracking Mechanism For Solar Invention	Srinivas T	5030/CHE/2015	21-07-2017
16		2	4	Tri Generation Cycle	Srinivas T	5029/CHE/2015	21-07-2017
17		3	5	Sliding Vane Internal Combustion Engine	Kovalan S, Arun Tom Mathew	201641016649	17-11-2017
18	2018	1	6	A Mobile Vehicle Garage Assembly	Kshitiji Bhopalkar, Arun Tom Mathew	201641034360	13-04-2018
19		2	7	Seat Position Adjusting Mechanism For Lifting And Shifting A Seat Of A Wheelchair	Ramakrishnan R, Saransh Chawchharia, Anirudhparmar, Akshay Bhaskar	201841034478	02-11-2018
20		3	8	Hybrid Power Generator Assembly For Hybrid Generation Of Electricity	Natarajan Ramakrishna	201741016654	17-11-2018
21		4	9	Solar Pv Panels Assembled As A Raceway Pond For Generating Electric Power And Cultivating Algae	Natarajan Ramakrishna	201841037173	30-11-2018
22		5	10	Asymmetric Strain Wave Gearing System	Bikas Routh	201841005925	30-11-2018
23	2019	1	11	Rotating Radiator For Improved Heat Transfer In Motor Vehicles	Abinav Shankar, Ashok, Yagnavalkya Mukkamala	201741025506	25-01-2019
24		2	12	A Novel Two Speed Transmission Gearbox For A Differently Abled Friendly Wheel Chair	Ramakrishnan R, Ankit Sharma	201941009878	22-03-2019
25		3	13	Multi Thermocouple Technique To Nullify Radiation Error In Temperature Measurements	Vijesh V, Shrirang Ambaji	201941011055	24-03-2019
26		4	14	Process Of Manufacturing A Ti-Based Implant With Improved Surface Properties	Revathi.A, Geetha Manivasagam, Sathya Swaroop	201941005757	09-08-2019
27	2020	1	15	An Automated System For Sanitizing A Pre-Defined Vicinity	Arivazhagan Natarajan, HarsUmang, Harshal Thikare, Madhukumar S	201941047690	03-02-2020
28		2	16	Walker Assembly For Hemiplegic Patients	Arun Tom Mathew, Prahlad Rajhans	201841044742	29-05-2020
29		3	17	An Integrated Tool Holder Device With A Multi-Cooling System	Venkatesan Kannan, Devendiran Sundararajan, Arun Tom Mathew	201941005826	21-08-2020
30		4	18	Variable Stroke Volume Reciprocating Pump	Naman Sachdeva, Edision G, Saksham Verma, Shreyas Shanker, Bhavya Mathur	201941015369	20-10-2020
31	2021	1	19	Cutting Tool To Drill Square Holes	Rajyalakshmi G, Aravind Raj S, Pushparaj RM	201941044985	07-05-2021
32		2	20	A Solar Assisted Close Coupled Hybrid Desiccant Wheel System With A Catalytic Combustion Unit	Selvaraj, Sekarapandian Natarajan	202141005376	08-10-2021
33		3	21	A Liquid-Cooled Battery Thermal Management System For A Two-Wheeler Vehicle	Thundil Karuppa Raj Rajagopal, Elangovan Devaraj, Jeevesh Jain, Sumit Nilesh Vadodaria	202141005377	02-04-2021

34		4	22	Modular Filtration system for Harvesting pure Rain water.	Sejal Budholiya, Aayush Bhat, Anubhav Anurag, S.Aravind Raj	202141017620	07-02-2021
35	2022	1	23	Integrated Ambulance stercher Assembly	Aayush Bhat, Anubhav Anurag, Sejal Budholiya, Dr.S.Aravind Raj	202241006828	18-02-2022
36		2	24	Three - Dimensional 3D printer for printing a multi - Layer and a multimaterial Extrusion	Renold Elsen S, Jishita R, Mahendran T	202141057146	18-02-2022
37		3	25	Method for switching a combustion mode from compression - Ignition to Homogeneous - charge compression -Ignition	M.Mohamed Ibrahim, S. Sathishkumar	202041044589	22-04-2022
Bio Sciences and Technology							
38	2017	1	1	Variable Stroke Volume Reciprocating Pump	Jayaraman G, Rajiniraja M	201641009938	29-09-2017
39	2018	1	2	A Nanobiocomposite For The Removal Of Mercury(II) Ions From Aqueous Solution	Devlina Das, Lina Rose Varghese, Nilanjana M	201641034054	06-04-2018
40		2	3	A Layered Double Hydroxide (Ldh) For The Remediation Of Organophosphate Pesticides	Sahithy A K, Devlina Das, Nilanjana M	201641039253	18-05-2018
41		3	4	Stabilization Of Lyophilized Caudovirales Bacteriophages	Ramesh N, Prasanth M	201841034247	02-11-2018
42		4	5	Non-Invasive Salivary Glucose Estimator For Estimating A Concentration Of Glucose Present In Saliva Sample	Radha Saraswathy, Murugan Ezumalai	201741019077	07-12-2018
43		5	6	Bio Compisition For Degrading Phenylpyrazole Insecticide	Jayanthi Abraham , Anugurga G,	201741020327	14-12-2018
44	2019	1	7	Bread Making Process To Reduce Residual Bromate	Ramalingam Chidambaram, Chandan Krishnamoorthy	201941026398	29-07-2019
45		2	8	Hybrid Hydrogel Dispersed Low Fat And Heat Resistant Chocolate	Ramalingam Chidambaram, Florentina Priyangini Francis	201941029712	31-07-2019
46	2020	1	9	Bioactive Compounds Against Leishmania Donovanii And Method Of Production Thereof	Veena Sreedharan, Kokati Venkata Bhaskara Rao	201841043275	20-05-2022
47	2021	1	10	Rapid Sperm Genomic DNA Isolation Protocol And Kit	Parameswari R, Sridharan T.B.	201941033490	26-02-2021
Electronics Engineering							
48	2016	1	1	Polymer Blend Composition With Increased Weld Line Strength And Process Of Preparation Of The Same	Arungalai Vendan	4415/CHE/2014	01-07-2016
49		2	2	Thermoplastic Elastomeric Blend Composition With Increased	Arungalai Vendan, Chinnadurai Thangam, Senthil Kumar K	1071/CHE/2015	09-09-2016
Electrical Engineering							
50	2018	1	1	Internet Of Things (Iot) Based Thin Film Biosensor To Detect Uric Acid	Vivekanandan S, Parthasarathy.P	201841019379	29-11-2019
51	2019	1	2	Current Fed Fuel Cell Powered High Voltage Charging Circuit For Electric Vehicles	Elangovan D, Peter K Joeseph, Thundil Karupura	201941048472	13-12-2019
52		2022	1	3	Bi-Symmetrical web flow thermal absorber for photovoltaic thermal system	Y. Raja Sekhar , V. Tirupati Rao	202241030388
Advanced Sciences (Physics & Chemistry)							
53	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	30-09-2016
54		2	2	Method For Improving Surface Mechanical Properties In 17-4 Ph	Kalainathan S, Karthik D, Sathya Swaroop N R	1364/CHE/2015	30-09-2016
55	2017	1	3	Process For Treating Material Surfaces Using Warm Laser Shock Peening Without A Coating	Kalainathan S, Prabaharan S	201641006200	25-08-2017
56	2018	1	4	Stable Formulation Development For Nitroglycerin Sublingual Tablets By Direct Compression Technique With Povidone And Crospovidone	Sangeetha Dhanaraj, Manoj Kumar V	201641022805	26-01-2018
57		2	5	Fluorescence "Turn-On" And "Naked Eye" Detection Of Aromatic Primary Amines By Tetrahydrodibenzo[A,I]Phenanthridine-5-Yl Phenols- Reactivity Based	Sathyanarayanan Kulathu Iyer, Umamahesh B	201641022804	26-01-2018
58		3	6	Removal Of Dyes From Effluents In Absence And Presence Of Light Employing A Novel Nanocomposite	Rajagopalan Vijayaraghavan, Lakshmi Prasanna Vaddadi	201641024032	19-01-2018
59		4	7	Process For Severe Laser Shock Peening Using Low Energy Nd: Yag Laser	Kalainathan S, Prabhakaran S	201641031003	16-03-2018
60		5	8	Method Of Extracting Bioactive Compounds With Antidiabetic And Anticancer Activity From Pods Of Pithecellobium Dulce	Mary Saral A, Preethi S	201741034217	02-11-2018
61		6	9	Organoruthenium Based Phototoxic Cancer Cell Markers And Methods Of Preparation And Use	Priyankar Paira ,Anuja Plavuvalapil Kumaran , Lavanya Thilak AshaparnaMondal	201741020410	14-12-2018
62	2021	1	10	Process Of Preparing 2-Dimensional (2d) Molybdenum Carbide (Mo2C)	Ravuri Syamsi, A. Nirmala Grace	201941025485	01-01-2021
63		2	11	Formulation And Method Of Preparation Of A Bi-Layer Layer Tablet For Enhancing Bioavailability Of Atorvastatin	S.R Suseem, Dhanish Joeseph	201941025485	01-01-2021
64		3	12	Photonic Crystal Based Optical Logic Gates That Employs An Optical Kerr Effect	Renju Rajan, K. Senthilnathan, P.Ramesh Babu	201941034122	26-02-2021
65		4	13	Adapter For Fluorescence Imaging	Dr. Jitendra Satija, Sangeeta Yadav, S. Manoj Kumaran	201941042478	23-04-2021
66		5	14	Internet Of Things (Iot) Based Fuel Meter	Kaliyaperumal Ganesan, R. Karthik, . Rammohan. A	201941034933	03-05-2021

Civil Engineering							
67	2016	1	1	Development Of Eco-Bacterial Lime Mortar Using Kadukai And Jaggery	Sekar S K, Ravi,R, Thirumalini	4631/CHE/2014	01-07-2016
68	2021	1	2	A Prefabricated Assembly Of Grated Stone Columns For Improving The Performance Of Soft Grounds	Muthukumar M	202141029295	02-04-2021
Centre for Nano Bio-technology							
69	2018	1	1	Process For Detection Of Homocysteine In A Urine Sample Using Gold Nanoparticles Laden Detection Strip	Amitava Mukherjee, Chandrasekaran N, Abhinav Parashar	201741007445	06-04-2018
70		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	06-04-2018
71		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	06-04-2018
72		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	08-06-2018
73		5	5	Antibacterial Composition Effective Against Aeromonas Salmonicida Infection In Aquaculture	John Thomas, Chandrasekaran N, Amitava Mukherjee, Thangaivel S	201741002439	27-07-2018
74		6	6	Seaweed Polysaccharide Nanoparticle And A Method Of Preparing The Same	Chandrasekaran N, Amitava Mukherjee, Jayakumar K, Saghya Infant Shofia B	201741003682	03-08-2018
75		7	7	An Anti-Cancer Formulation Comprising Orange Oil Nanoemulsion	Chandrasekaran N, Amitava Mukherjee, Jayakumar K, Saghya Infant Shofia B	201741004832	17-08-2018
76		8	8	Formulation Comprising Lemongrass Oil With Anti Bacterial Properties	Chandrasekaran N, Amitava Mukherjee, Andrew Ebenazer L	201741005874	24-08-2018
77	2019	1	9	Gold Nano Particle Immobilised Glass Substrate To Detect Melamine And The Method Of Detection	Amitava Mukherjee, Chandrasekaran, Ida Evangeline Paul	201741027740	11-01-2019
78	2020	1	10	In-Situ Synthesis Of Bimetallic Nzvi-Sand (Cu/Pd As Dopant) Using Fruit Peel Extract And Its Application For Tetracycline Removal	Amitava Mukherjee, Natarajan Chandrasekaran, Konda Venkata Giri Ravi Kumar, Geetha Gopal	201941052328	03-01-2020
79		2	11	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	03-02-2020
80	2021	1	12	Silver Nanoparticle-Based Biosensor For Detection Of Target Nucleic Acid Of Serotype Specific Dengue Virus	Chandrasekaran N, Amitava Mukherjee, Saranya.V	201941035852	12-03-2021
81		2	13	Cocktail Of Newly Isolated Lytic Bacteriophages Against Multi Drug Resistant Salmonella And Uses Thereof	Avtar Sain, Jayaprakash N. S.	202041006569	20-04-2021
82		3	14	Adapter For Fluorescence Imaging	Jitendra Satija, Sangeeta Yadav, S. Manoj Kumaran	201941042478A	23-04-2021
83	2022	1	15	Two - part Epoxy Adhesive composition with improved pot life and preparation method thereof.	M Shiva Shankar, Natrajan Chandrasekaran, Arun KumarAwasthi	202041044588	22-04-2022