



List of Published Patents till date

2020

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	Thermomagnetic Temperature Indicator and Method Thereof	Dr. R. Justin Joseyphus	Physics	202041005420
2.	System For Thermal Response Enhancement of Phase Change Materials of Energy Storage and Method Thereof	Dr. Sivan Suresh	Mechanical Engineering	202041028529
3.	A Mold For Casting Pervious Concrete and Method Thereof	Dr. K. Muthkkumaran	Civil Engineering	202041011873
4.	An Elastoplastic Deformation Processing, Tool and Method Thereof	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	202041006504

2019

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	A Natural Fiber Processing Technique for Uniform GSM Fabrics	Dr. K. Sankaranarayananasamy	Mechanical Engineering	201941020952
2.	Biodiesel From Non-Edible Semecarpus Anacardium Seed Oil and Method Thereof.	Dr. R. Anand	Mechanical Engineering	201941050564
3.	A solid Waste Barrier Liner Composition for Landfill with Clay and Microsilica.	Dr. G. Swaminathan	Civil Engineering	201941043080
4.	Solar Reverse Thermoelectric Power Generation System and Method Thereof.	Dr. Sivan Suresh	Mechanical Engineering	201941021210
5.	Real-Time Digital Fault Monitoring System for Transmission Lines In Autonomous Power Grids and Method Thereof.	Dr. M. Jaya Bharata Reddy	Electrical and Electronics Engineering	201941022285
6.	Method for Extracting The I-V Curve Of the Photovoltaic(Pv) Module.	1. Dr. G. Saravana Ilango 2. Dr. C. Nagamani	Electrical and Electronics Engineering,	201941037604



7.	Double Shoulder Friction Stir Processing Tool for Coating Application	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	201741041009
8.	Natural Fiber Reinforced Industrial Safty Helmet	Dr. K. Sankaranarayanan	Mechanical Engineering	201841000510
9.	Method for Removal Of Nile Blue Dye from Waste Water.	Dr. B. Karthikeyan	Physics	201841002213
10.	Biodiesel From Aegle Marmelos Correa and a Method Thereof. Preparation of Biocatalyst from Aegle Marmelos Correa Frut Shell for Bio Diesel Production	Dr. R. Anand	Mechanical Engineering	201741037531
11.	Drowning Detection System and Method Thereof.	Dr. K. Srinivasan	Instrumentation and Control Engineering	201741038209
12.	Complex Multiplier Based Signal Processing System and Method Thereof. Low Multiplier Complexity In-Place Higher Radix Real-Valued Fft Architectures with Modified Processing Element.	Dr. G. Lakshminarayanan	Electronics and Communication Engineering	201741038399
13.	Friction Brazing/Soldering Tube to Tube Plate Using a Tool and A Method Thereof. Self Sealing Type Friction Brazing/Soldering of Tube to Tube Plate using an External Tool	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	201741038449
14.	A Novel Flux Composition for the Stainless-Steel Smaw Welding Electrodes.	Dr. S.P. Sivapirakasam	Mechanical Engineering	201741039032
15.	System and Method for Efficient Energy Extraction From An Existing Solar Pv System	1. Dr. Sishaj P. Simon 2. Dr. K. Sundareswaran 3. Dr. P. Srinivasarao Nayak	Electrical and Electronics Engineering	201741039045
16.	Membrane for Water Filtration and Method Thereof.	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	201741039055



17.	A novel PCM based window for improving IAQ in split ac built space	Prof. A.K.Bakthavatsalam	Training & Placement	201741039073
18.	Smart Load Node System for Operating an Appliance and Method Thereof.	Dr. M.P. Selvan	Electrical and Electronics Engineering	201741039083
19.	Durable Cost Effective and Efficient Membrane for Harvesting Drinking Water from Atmospheric Air and Method Thereof.	1. Dr. S. Muthukumaran 2. Dr. G. Arthanareeswaran	Metallurgical and Materials Engineering Chemical Engineering	201741039055
20.	Method for Preparing Ibuprofen Crystals Using a Green Solvent and Product Thereof.	1. Dr. T.K. Radhakrishnan 2. Dr. P. Kalaichelvi	Chemical Engineering	201741033366

2018

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	Friction welding of tube to tube using a guide tool.	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	201741041008
2.	Wireless Vehicle Monitoring System and Method Thereof	Dr. R. Leela Velusamy	Computer Science and Engineering,	201841015328
3.	Variable Volume Minij Tank Testing Equipment And Method of an Airbag Chemical Performance Test.	1. Dr. S.P. Sivapirakasam 2. Dr.K.R. Balasubramanian	Mechanical Engineering	201741041005
4.	Electrical Conductivity Enhancement OF Low Conductivity Fuels By Nano Additives.	1. Dr. S.P. Sivapirakasam 2. Dr. J. Hemalatha	Mechanical Engineering physics	201741041006
5.	Electrical Conductivity Enhancement OF Low Conductivity Hydrocarbon Fules By Bio-Additives.	Dr. S.P. Sivapirakasam	Mechanical Engineering	201741042164
6.	Novel reaction Chamber For Collection of Decomposition Residues of Pyrotechnic Composition and Method Thereof.	Dr. S.P. Sivapirakasam	Mechanical Engineering	201741042165



7.	Industrial helmet for welding fume expulsion and method thereof.	Dr. S.P. Sivapirakasam	Mechanical Engineering	201741042166
8.	A System and a Method for Extracting Maximum Power in Thermoelectric Generators	1.Dr. Ganesan Saravana Ilango 2.Dr. Chilakapati Nagamani 3.Dr. Kannan Srinivasan	Electrical and Electronics Engineering Instrumentation and Control Engineering	201741030634
9.	Smart Bi-Lateral Pedal Module	Dr. K. Dhanalaksmi	Instrumentation and Control Engineering	201741022616

2017

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	An Improved Transparent Electrothermal Device	Dr. S. Manivannan	Physics	201741001065
2.	Gas Sensor Based on Nanowires and Carbon Nanotubes Heterostructure	Dr. S.Manivannan	Physics	201741000938
3.	A Method of Differential Relay for Power Transformer Protection Using DSP Processor	1. Dr. Sishaj P Simon 2. Dr. K. Sundareswaran 3. Dr.P.Srinivasa Rao Nayak	Electrical and Electronics Engineering	201641012033

2016

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	Surface Renewal Photobioreactor	Dr. M. Premalatha	Energy and Environment	1826/CHE/2014
2.	A Piezoelectric Motor and a Method of Operating Therefor	1. Dr. M. Umopathy 2. Dr. G.Uma	Instrumentation And Control Engineering	1713/CHE/2010

2014

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	High Longevity Coatings and alternate material for Erosion Andcorrosion Resistance In Mining Pumps	1. Dr. S.Natarajan 2.Dr.S.P.Kumaresh Babu	Centre of Excellence in Corrosion and Surface	145/CHE/2014



			Engineering (CECASE) Metallurgical and Materials Engineering,	
2.	A System with Multiple Transmission Loss Coefficients for Dynamic Economic Generator Dispatch	1. Dr. Sishaj P Simon 2. Dr. K Sundareswaran 3. Dr. Srinivasarao Nayak	Electrical and Electronics Engineering	3413/CHE/2014
3.	A Photovoltaic System and a Method Of Arranging Pv Arrays In Pv System	1. Dr.Ganesan Saravana Ilango 2. Dr. MR P. Srinivasa rao 3. Dr. C. Nagamani	Electrical and Electronics Engineering	3192/CHE/2013

2013

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	Surge Supporter (An Alternative Power Supply System for an Automobile)	1. Dr.Ganesan Saravana Ilango 2. Dr. Panneerselvam	Electrical and Electronics Engineering Mechanical Engineering	2409/CHE/2012

2012

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	Clad-Modified Fiber Optic Ammonia Gas Sensor with Nanocrystalline Titanium Dioxide and Cerium Doped Zing Oxide	1. Dr. Dillibabu Sastikumar 2. Dr. Arumugam chandra Bose	Physics	1569/CHE/2011
2.	An Electronic Circuit for Self Sensing Piezoelectric Actuator and Method of Operating Therefor	1. Dr. G.Uma 2. Dr. M.Umapathy	Instrumentation And Control Engineering	1715/CHE/2010



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2021	02	04
2020	04	02
2019	20	02
2018	9	01
2017	03	
2016	02	
2014	03	
2013	01	
2012	02	