

Dr. Mahalingam College of Engineering and Technology, Pollachi-642 003
(An Autonomous Institution)
Office of Dean Research & Innovation
Intellectual Property Right Summary Details

S.No	Patent Details	Academic Year (2019-2024)
1.	Number of utility Patents Granted	09
2.	Number of Design Patents Granted	30
3.	Number of Patents Published	118
4.	Copyright	05
Total		162

LIST OF GRANTED UTILITY PATENT

Indian Patent Rights Details (2019- 2024):

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
1.	202141020600	Mr.K. Sasikumar , AP-Mech Dr. K. Hariharan,ASP-Mech Dr. T. Ramkumar, ASP-Mech Dr. M. Selvakumar,Prof._Auto	Pugh matrix based decision making for the bore well rescue method and system thereof	IPO, Chennai	May 2024	Granted
2.	202041007646	Dr.K.Mohaideen AbdulKadhar, AP /ECE, Mr.L.Gowtham / Student of ECE	An interactive assistive device system for visually impaired people	IPO, Chennai	Mar 2024	Granted

S.No	ApplicationNo.	Name of the Inventors & Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
3.	201841040120	Dr. Rama. Thirumurugan Prof & HOD /Mech, Mr. M. Padmanaban, AP(SS)/Mech Mr. Sreejith S. Nair, AP(SS)/Mech	Flour Extruder	IPO, Chennai	Feb 2024	Granted
4.	201841023877	Dr. Sudhakar Radhakrishnan, Prof. Head /ECE	Virtual friend for Elderly/differently abled	IPO, Chennai	Feb 2024	Granted
5.	202241023296	Dr. N. Natarajan, Prof/civil Dr. L. Senthil Kumar ,AP(SG)/Maths Ms. C. Devipriya, AP(SS)/CSE	Multi-Purpose Detangling Device with Liquid Dispenser	IPO, Chennai	Jan 2024	Granted
6.	202041006012	Dr. Rama. Thirumurugan, Prof&HOD /Mech, Dr. S. Madhusudhanan,AP(SG)/Mech Dr. K. Hariharan,ASP/Mech	Handheld Weed Plucker	IPO, Chennai	Jan 2024	Granted
7.	202141016329	Dr.M.Selvakumar, Prof /Auto Dr.M.Thirunavukkarasu, ASP /Auto Mr.R.Vishnu Ramesh Kumar, AP(SS) /Auto Dr.T.Ram kumar, ASP /Mech Dr.B.Kishore , ASP /EEE	Self-charging bi-cycle with solar panel	IPO, Chennai	Aug 2022	Granted
8.	201941019354	Dr.M.Selvakumar,Prof /Auto	Titanium-titanium boride composite as a biomaterial for hip, and knee implants	IPO, Chennai	Jun 2021	Granted

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
9.	202041039231	Dr.B. Saravanakumar ASP/S&H	Zinc oxide/carbon nanocomposite process of preparation and application thereof.	IPO, Chennai	Nov 2023	Granted

LIST OF GRANTED DESIGN PATENT

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
1.	410029-001	1.V. Shanmugaveni 2. M. Bhagavathi Priya 3.M. Prasannablessy 4.M. Jotheeswari 5.R. Abarnaswara 6.S. Pooja 7.M. Vijaya Kumar 8.A. Manojanani	AI MACHINE LEARNING BASED DEVICE CYBER SECURITY DATA ANALYTIC DEVICE	IPO, Chennai	May 2024	Granted
2.	409869-001	1.Dr. S. Ponni Alias Sathya, ASP,IT 2. Dr. S.K. Ashok , AP (SG),Mech 3.Dr. L. Meenachi , ASP& HoD-IT 4.Mrs. N. Sumathi ,AP(SS),CSE 5.Mrs. G. Saranya , AP,IT 6.Mrs. K. Saranya , AP,IT 7.Mrs. P. Rajeswari, AP,IT	PORTABLE SOLAR AND ELECTRIC POWERED CHARGER FOR ELECTRONIC DEVICE	IPO, Chennai	May 2024	Granted
3.	408298-001	L. Senthil Kumar B. Maheswari N. Punitha S. Chitra	Electric Paper Punching Machine	IPO, Chennai	May 2024	Granted
4.	404156-001	Ms. Arunadevi Velusamy Ms. Rajalakshmi Kalimuthu AP/ English	WIRELESS MOUSE	IPO, Chennai	Mar 2024	Granted
5.	407522-001	Mr.Prabhu, AP/IT Ms.Sathiyapriya, AP/ECE	Iot And Cloud Based Camera For Healthcare Surveillance	IPO, Chennai	Mar 2024	Granted

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
6.	6346711	Mr.J.Dineshkumar, AP/Mech	Lifting Vehicle Assembly	UK	Mar 2024	Granted
7.	404176-001	Mr. Vigneshkumar Devaraj Dr. Vasudevan Mangottiri Dr. Soundara Balu Dr. Natarajan Narayanan, Prof /civil	Flowability Testing Apparatus for Controlled Low Strength Materials	IPO, Chennai	Mar 2024	Granted
8.	400196-001	Mr.M.Dhamodharan , AP/Auto	Intelligent Assistive Robot For Elderly Care People	IPO, Chennai	Jan 2024	Granted
9.	397190-001	Dr.M.Thirunavukkarasu, ASP /Auto	Artificial Intelligence based Pest capturing agricultural machine	IPO, Chennai	Jan 2024	Granted
10.	385639-001	Dr. S Ramakrishnan/IT Dr. Ponni Alias Sathya/IT Dr. S.K.Ashok/Auto Ms. D. Janani/IT Ms. N. Sumathi/CSE	Household Grinding Machine	Indian Patent Office	Aug 2023	Granted
11.	380824-001	Dr. J. Thimmia Raja, / IT Dr.A.S.Muthunantha Murugavel /IT	Currency Note Counting Machine	IPO, Chennai	Mar 2023	Granted
12.	380828-001	Dr.M.Kaliamoorthy, Prof /EEE	Dual Switch Coupled Inductor Converter	IPO, Chennai	May 2023	Granted

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
13.	368818-001	Dr.M.Kaliamoorthy/EEE	Brushless DC Motor for Electric vehicle	IPO, Chennai	Aug 2023	Granted
14.	382119-001	Dr Kishore B, AP(SG)/EEE	Agriculture Robot For Sowing Seeds	IPO, Chennai	Mar 2023	Granted
15.	382619-001	Dr.A.P.Janani, AP/IT	Smart Phone Charger	Indian Patent Office	Mar 2023	Granted
16.	348928-001	Dr.Kishore B Prof./EEE	A supporter for portable terminal	IPO, Chennai	Dec 2022	Granted
17.	378817-001	Dr.Kishore BProf./EEE	IOT Streetlight Controller Device	IPO, Chennai	May 2023	Granted
18.	6329036	Ms.K.Rajalakshmi ,AP (SS)/English	Agricultural Drone for Crop Health Monitoring	International Patent (UK)	Dec 2023	Granted
19.	392313-001	Dr. K. Murali/Civil Dr. K. Srinivasan/Civil Mr. M. Sudharsanan/Civil	De-fluoridating unit for groundwater remediation	IPO, Chennai	Dec 2023	Granted

S.No	ApplicationNo.	Name of the Inventors & Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
20.	383996-001	Dr.M.Balakrishnan /AIDS Dr. J.Ramprasad /IT Dr.A.S.Muthanantha Murugavel/IT Dr.A.B.Arockia Christopher/IT	Face Mask and Sanitizer Dispensing Unit	IPO, Chennai	Aug 2023	Granted
21.	400788-001	Mr. J.Dinesh Kumar/Mech	Rooftop Wind Turbine With Conical Tunnel	IPO, Kolkata	Nov, 2023	Granted
22.	394906-001	Mr.C.Devipriya ,AP(SS)/CSE Mr.V.Eswaramurthy ,AP(SS)/CSE	AUTOMATIC SEED SOWING ROBOT	IPO, Kolkata	Sep, 2023	Granted
23.	394374-001	Ms.Uma Maheswari /CSE	INDUSTRIAL ROBOT FOR CHECKING PRODUCT QUALITY	IPO, Kolkata	Oct, 2023	Granted
24.	395318-001	Dr.B.Kishore, ASP /EEE	Wireless Monitoring system for mine safety	IPO, Kolkata	Sep, 2023	Granted
25.	400790-001	Dr. G. Anupriya Ms. C. Jayashree Dr. M.L. Valarmathi Dr. J. Bhavithra Ms. M. Gomathi Ms. G.Deepa Ms. A. Jayalakshmi	Portable Image and Text Recognizing Device	IPO, Kolkata	Dec, 2023	Granted
26.	379888-001	Dr. J. Thimmia Raja ,AP(SS)/IT	Iot Based Smoke and Heat Detector	IPO, Kolkata	May 2023	Granted

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
27.	379605-001	Dr.K.Rameshkumar , AP(SG)/EEE	Personal Assistant Robot	IPO, Kolkata	Dec 2023	Granted
28.	385939-001	Mrs.P.Selvanayaki , AP /IT	FRUITS QUALITY MONITORING AND ADULTERATION DETECTION DEVICE	IPO, Kolkata	Sep 2023	Granted
29.	398074-001	Dr. J. Thimmia Raja ,AP(SS)/IT	THREE-WHEELED ELECTRIC VEHICLE	IPO, Kolkata	Dec 2023	Granted
30.	398076-001	Dr. J. Thimmia Raja ,AP(SS)/IT	FOOD AND BEVERAGE SERVING TROLLEY	IPO, Kolkata	Nov 2023	Granted

LIST OF FILED / PUBLISHED INTELLECTUAL PROPERTY RIGHTS

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
1.	202441034197 A	1)T. SATHESH KUMAR,AP-SS-EEE 2)K. SATHIYANARAYANAN ,AP-SS-EEE 3)P, ELAVARASAN, Student /EEE 4)V. KARTHIKSARAN ,Student /EEE	NON INVASIVE BLOOD GLUCOSE MONITORING SYSTEM USING RED LASER SENSORS	IPO, Chennai	May 2024	Published
2.	411350-001	Dr.N.Suba Rani Dr.M.Balakrishnan Dr. A. Nobel Mary Juliet Mr.M.Arun Ms.S.R.Indurekaa	MI Based Tiger Location Detector	IPO, Chennai	Mar 2024	Filed
3.	410029-001	Ms.M.Bhagavathipriya	Machine Learning based device for detection in cyber security	IPO, Chennai	Mar 2024	Filed
4.	408916-001	Mr.R.Vimal Ms.V.Sathiyapriya Mr. T. Bragadeeswaran Mrs. C. Vinodhini Dr. E. Kavitha Mrs. S. Suthaviji	Device to perform analysis of polymer concrete	IPO, Chennai	Feb 2024	Filed
5.	404176-001	Dr. N. Natarajan	Flowability testing apparatus for controlled low strength materials	IPO, Chennai	Mar 2024	Filed
6.	397431-001	Dr. K. Murali, Mrs. S. Suthaviji, Dr. M. Mariappan Mr. M. Sudharsanan, Dr. K.Srinivasan	Water Absorption Test Apparatus	IPO, Chennai	Mar 2024	Filed

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
7.	412199-001	Mr. K. Sasikumar, Ap /Mech	Regenerative E-Bicycle	IPO, Kolkata	Apr 2024	Filed
8.	410029-001	Ms.V.Shanmugaveni Ms.M.Prasannablesy Ms.Jotheeswari	Machine Learning based device for detection in cyber security	IPO, Chennai	Mar 2024	Filed
9.	409869-001	Dr.S.Ponni@sathya, Dr.S.K.Ahok, Dr.L.Meenachi, Mrs.N. Sumathi Mrs.G.Saranya, Mrs.K.Saranya, Mrs.P.Rajeshwari	Portable solar and electric powered charger for electronic device	IPO, Chennai	Mar 2024	Filed
10.	412199-001	Mr.K.Sasikumar, R.Selva Natheya, V.B.Nithish, S.Ranjithkumar	”Regenerative EBicycle”. Design IPR	IPO, Kolkata	Apr 2024	Filed
11.	412200-001	Mr.K.Sasikumar, N.Manoj, K.Sanjay, S. Vibineshwaran	“Multifunctional Solar Based Drone”.	IPO, Kolkata	Apr 2024	Filed
12.	413565-001	Mr.K.Sasikumar, Dr.S.Madhusudhanan, R. Vijay, Amit V Nixon, C. Aswin	“Versatile Combination Spanner	IPO, Kolkata	Apr 2024	Filed

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
13.	412200-001	Mr. K. Sasikumar, Ap /Mech	Multifunctional Solar Based Drone	IPO, Kolkata	Apr 2024	Filed
14.	411700-001	Mr.S.Nachimuthu	Circular Type Solar Cooker	IPO, Kolkata	Mar 2024	Filed
15.	202441018914	Mr.J.Dineshkumar	Natural Fiber composites with improved impact resistance and Method Thereof	IPO, Chennai	Mar 2024	Published
16.	202441015209	Mr.J.Dineshkumar	Making of Bio compactable composites using novel Magnetron sputtering method	IPO, Chennai	Mar 2024	Published
17.	411682-001	Dr.S.Ayyappan	Multi-Core Pin Coupling	IPO, Kolkata	Mar 2024	Filed
18.	411693-001	Dr.S.Ayyappan	Pyrolysis Reactor	IPO, Kolkata	Mar 2024	Filed
19.	202441024249	Mr. N. Shanmugasundaram Dr. M. Jayaraj Mr. S. Gnanakumar Mr. S. V. Gurupranes Mr. K. Vijayakannan Mr. M. Padmanaban Mr. J. Dinesh Kumar Dr. Rama Thirunurugan Mr. S. Nachimuthu	Environmentally Friendly Switch Boards Using Natural Fiber Reinforced Polymer Composites And The Met	IPO, Chennai	Mar 2024	Published

S.No	ApplicationNo.	Name of the Inventors & Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
20.	202441022030	Mrs. D. Nivetha , Dr. B. Poorani , Mrs.R.Vidhya (AP) / English / MCET	Analysis of how English Training is important for school in Government school Tamilnadu	IPO,Chennai	Mar 2024	Published
21.	202441014825	Dr. Rama Thirumurgan Dr. S. Madhusudhanan Dr. D. Nathan Dr. S. Ayyappan Mr. M. Padmanaban Mr. M Sasikumar Mr. K. Vijayakannan Mr. S. Naveen Kumar Mr.. M. Jayaraj Mr. Gnanakumar	Horizontal Rocker-Arm Hand-Pump	IPO,Chennai	Mar 2024	Published
22.	409572-001	Mr. K. Sasikumar, AP /Mech	Multifunctional wheelchair	IPO, Kolkata	Mar 2024	Filed
23.	202441014796	Dr. D. Nathan Dr. Rama Thirumurugan Mr. K. Sasikumar Mr. M. Gideon Ganesh Dr. S. Ayyappan Mr. R. Gunasekaran Mr. J. Venkatesh Mr. Sreejith S. Nair Mr. N. Bala Murali	Device For Rolling In / Out Hose From Deep Borewell	IPO,Chennai	Mar 2024	Filed
24.	406562-001 AIDS	Ms.R.Geetha Rajakumari, Ms.D.C.Kiruthikka, Ms.M.Rajalakshmi,Mr.A.Vishnuprasath, Mr.T.Vijayakumar, Ms.S.Nandhini	Textile Fabric Defect Detector Using Deep Learning	IPO, Chennai	Feb 2024	Filed

S.No	ApplicationNo.	Name of the Inventors & Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
25.	202441004476 AIDS	Dr.T .Selvakumar Dr.J Benadict Raja, Mrs.D.S.Ajitha Kala, Dr.P.Venkadesh, Mrs.G.Kalpana, Dr.C.Berin Jones, Mrs.Priyadharshini,Dr.S.V.Divya, Mr.P.Manoj, Dr.T.V.Sindia, Dr.D.Menaka, Mr.G. Jelin Taric, Mr.Amishon Micheal Nayagam	A Cutting-Edge New Method For Digital Marketing With AI, Blockchain, and IOT”	IPO, Chennai	Feb 2024	Published
26.	202341078810 A	M. Rajalakshmi Assistant Professor , AI&DS	“Intelligent Traffic Management System For Smart Cities Using IOT And ML Technologies”, IPO, 05 JAN 2024& Utility Patent	IPO, Chennai	Feb 2024	Published
27.	202341076448	Ms.G.Gayathri Mr. K. Prabhu Mr.S.SenthilPrabhu Faculty members of CSE	“Iot And Artificial Intelligence Based Smart Indoor Tracking System To Track Multiple Objects Within A Smart Home Using Data Mining And Machine Learning Algorithms”, IPO, 22 DEC 2024& Utility Patent	IPO, Chennai	Feb 2024	Published
28.	202341083917 A	Mr. K. Prabhu Assistant Professor (SS), CSE	“Artificial Intellectual Based Automatic Fire Detection System Using Sensor, Computer Vision And Deep Learning Algorithms” , IPO, 05 JAN 2024& Utility Patent	IPO, Chennai	Feb 2024	Published

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
29.	202341000000	Ms.B.Maheswari , AP /Mathamatics	Knowledge based python algorithm model to provide a general framework for constructing pentapartitioned fuzzy and neutrosophic closed sets with its extension in topological space along with an unconventional approach towards machine learning.	IPO, Chennai	Dec 2023	Published
30.	6329036	Ms.K.Rajalakshmi ,AP (SS)/English	Agricultural Drone for Crop Health Monitoring	International Patent (UK)	Dec 2023	Published
31.	202341042928	Dr.M.Selvakumar /Auto	An Arrangement for detecting Surface defects Engine position and method Thereof	IPO, Chennai	Jun 2023	Published
32.	202341028555	Dr.A.Noble Mary Juliet /CSE	A System and Apparatus of Marine Robotics to Deep-Sea Specimen for underwater Manipulative actions	IPO, Chennai	May 2023	Published
33.	202341008631	Ms.G.Deepa /CSE	Develop a Trusted Blockchain Auction Platform with Preferred Pricing Recommendations using Machine learning	IPO, Chennai	Feb 2023	Published
34.	20234103790	K.Radha /CSE	Building An Effective E-Commerce Fraud Detection Model Using Computer Ai And Data Mining Techniques	IPO, Chennai	Aug 2023	Published

S.No	ApplicationNo.	Name of the Inventors & Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
35.	386250-001	Ms.S.Abiramasundari/ECE	Solar Power EV charging system	IPO, Chennai	May 2023	Filed
36.	20231104649A	Dr.P.Vivekanandan / AIML	Method for improving machine learning model performance with generative adversarial network	IPO, Chennai	Aug 2023	Published
37.	202341052055	Ms. S.Esther Nowroji /AIDS	Blockchain And Cloud Computing Based Criminal Digital Forensic Investigation And Prediction Using Artificial Intelligence and Machine Learning Algorithm	IPO, Chennai	Aug 2023	Filed
38.	394424-001	Dr.M.Jayaraj / Mech Dr.N.Shanmuga Sundaram/ Mech Mr.K.Vijayakkannan/ Mech Mr. S. V .Gurupranes/ Mech Mr. S. Gnanakumar/ Mech Dr.Rama Thirumurugan / Mech	Coconut Deshelling Machine	IPO, Chennai	Sep 2023	Filed
39.	202241056679	Dr. B.Saravanakumar & Dr. J. Johnson William	Samarium MOF Incorporated Polyaniline Nano composite as an Efficient Electrode for Supercapattery Applications.	IPO, Chennai	Feb 2023	Published
40.	202341055636	Dr. V.Lakshminarayanan /EIE Mr. P. Kathirvel /EIE Dr.N.Shanmuga Sundaram, / Mech Mr.K.Vijayakkannan/ Mech Dr.M.Jayaraj/ Mech	Automated Waste Bin Management Through IOT And AI For Efficient Waste Collection	IPO, Chennai	Aug 2023	Published
41.	202341039226 A	Dr. V.Lakshmi Narayanan /ECE Dr.K.Rameshkumar /ECE P. Kathirvel/EIE	Artificial Intelligence in Medical Decision Support System	Indian Patent Office	Jul 2023	Published

S.No	ApplicationNo.	Name of the Inventors & Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
42.	202341044356	Dr.K.Umamaheswari	A system and method for battery management and green energy storage	Indian Patent Office	Jul 2023	Published
43.	202311046496	Dr.P.Vivekanandan, Prof/AI & ML	Method for Improving machine learning model performance with generative adversarial networks	Indian Patent Office	Jul 2023	Published
44.	202341046834	Dr.P.Vivekanandan, Prof/AI & ML Ms.M.Bagavathi Priya ,AP/AI & ML Ms.V.Shanmugaveni, AP/Cys Mr.M.Sakthivadivel, AP/Cys	Programmable Smart Kitchen Container	Indian Patent Office	Jul 2023	Published
45.	202341042928	Dr. M.Selvakumar Dr. M.Thirunavukk arasu	An Arrangement for Detecting Surface defects of Engine Piston During Production Casting and Method Thereof	Indian Patent Office	Jun 2023	Published
46.	379888-001	J. Thimmia Raja/IT	IoT based Smoke and Heat	Indian Patent Office	May 2023	Published
47.	202341026490	Ms. T.Sathiyapriya /ECE	Automatic oil filling device for temple DIYAS	Indian Patent Office	Apr 2023	Published
48.	202341028555	Dr. A. Noble Mary Juliet /CSE	A system and apparatus of marine robotics to deep-sea specimen for underwater Manipulative actions	Indian Patent Office	Apr 2023	Published
49.	202341019979	Mrs. Kiruthikka.D.C, Mrs. Nandhini.S, Dept of AI & DS	Earthquake Early Prediction And Warning System In Smart Cities Based On Deep Learning And IOT	IPO, Chennai	Mar 2023	Published
50.	202241015522	Mr. Anthony Jesudurai S/EEE	A System For Power Transmission Tower Through Internet Of Things	IPO, Chennai	Mar 2023	Published

S.No	ApplicationNo.	Name of the Inventors &Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
51.	202341007827	Dr.L.Chitra / EEE	Solar powered robotic vehicle for heavy metal ions detection in water employing machine vision	IPO, Chennai	Mar 2023	Published
52.	202241015522	Dr.S.Anthony Jesudurai/EEE	A System for Power Transmission Tower through Internet of Things	IPO, Chennai	Mar 2023	Published
53.	202241061596	Dr K Rameshkumar,/EEE	Automated Electrical Venturi Injector for Drip Irrigation in Agriculture with Embedded Features	IPO, Chennai	Mar 2023	Published
54.	379605-001	Dr K Rameshkumar /EEE	Personal Assistant Robot	IPO, Chennai	Mar 2023	Published
55.	202341008631	Dr.R.Ramesh/S&H	Develop a Trusted Blockchain Auction platform with preferred pricing Recommendations using Machine learning	IPO, Chennai	Feb 2023	Published
56.	353413-001	Dr.K Rameshkumar/EEE	A Multipurpose Solar Taillight For Bicycle	IPO, Chennai	Jan 2023	Published
57.	202341004015	Mr.M.Vijayakumar Ms.M.Bhagavathipriya, Ms.G.Gayathri,Dept of AI&DS	A Multifunctional Shopping Tramcar	IPO, Chennai	Jan 2023	Published
58.	202241056622	Mr.J.Nagarajan/EEE	A Deep Convolutional Neural Network System For Lithium -Ion Battery	IPO, Chennai	Oct 2022	Published
59.	202241044746 A	Dr.S.Ramakrishnan, Dr.A.S.Muthunantha Murugavel,Dr.L.Meenachi, Dr.S.Ponni alias sathya, Dr.S.Nithya, Ms.S.Soundariya, Ms.S.Priya Varshini, Dept. of IT	Wireless wearable bio-medical device for detecting brain and heart disorder in non-clinical environment	IPO, Chennai	Aug 2022	Published

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60.	202241046378 A	B. Saravanakumar, J. Johnson William, Dept. of S&H	Hierarchically porous MN-MOFS composite with RGO as an efficient electrode material for super capacitor application	IPO, Chennai	Aug 2022	Published
61.	2020102000	Dr.C.Kalamani /ECE	Low radiation wearable Microstrip antennas for embedded skin patch applications	Australian Patent office	Aug 2022	Published
62.	202241046374 A	B. Saravanakumar, J. Johnson William, Dept. of S&H	Two dimensional CR2C MXENE decorated with COFE2O4 nanoparticles for high performance super capacitor application	IPO, Chennai	Aug 2022	Published
63.	202221024377	Dr. M. Pandi /CSE	Machine learning based hybrid module for predicting the crop yield depending on climatic and soil conditions	IPO, Chennai	Jul 2022	Published
64.	202221001808	Dr. M. Pandi /CSE	Deep learning techniques to assess the network security aspects	IPO, Chennai	May 2022	Published
65.	202241025898	Dr. N. Senthil Madasamy/CSE	IOT based smart surgery management system for hospitals	IPO, Chennai	May 2022	Published
66.	202241023295 A	B. Saravanakumar, J. Johnson William, Dept. of S&H	Synthesis of amine functionalized metal organic framework using H2FIPBB ligand for energy storage applications	IPO, Chennai	May 2022	Published
67.	202241013316 A	Dr.D.Shanmugam Mr.K.R.Ranjith Dept. of Automobile	A natural fibre based composite and a process to obtain the same	IPO, Chennai	April 2022	Published

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68.	202241017800	Mr.P.Kathirvel, Dr.K.Vijayakumar Dr.K.Rameshkumar /EEE Mr.P.E.Kamalakkannan, Mr.T.Gowtham, Mrs.V.Karpagam Mr.A.Venkatesh, Mr.G.Karthikeyan, Dept. of EIE	Detection of beetles in coconut grove	IPO, Chennai	April 2022	Published
69.	202241017796	G.Anandhi /IT	Touchless ATM utilizing mobile phones with instant pin number generation	IPO, Chennai	April 2022	Published
70.	202241025599	Mr.Anthony Jesudurai S/EEE	A data processing device for electric vehicle based on IOT	IPO, Chennai	Mar 2022	Published
71.	202241007240	A.P.Janani /IT	System and method for generating cyber security analytics for enterprise data using threat based artificial intelligence	IPO, Chennai	Mar 2022	Published
72.	202241008807	Dr. K. Srinivasan Mr. P.S. Sathish Kumar Mrs. Latha ChinnaswamyMr. A. Manikandan Dept. of Civil	Performance study of coconut shell aggregate concrete with bamboo reinforcement	IPO, Chennai	Mar 2022	Published
73.	202241003802 A	Dr.D.Shanmugam, Dr.S.K.Ashok, Dept. of Automobile	Real time monitoring of vibration and automation of milling machine using IOT enabled embedded system	IPO, Chennai	Feb 2022	Published

S.No	ApplicationNo.	Name of the Inventors & Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
74.	202241007338	Mr. Senthil Kumar Dineshkumar, Dr. Narayanan Natarajan, Mr. Muthusamy Mohanrasath Ms. Sivalingam Sharmila Dr. Thangavel Sakthivel Mrs. Shanmugavadivel Suthaviji, Dept. of Civil	Adjustable multipurpose storage basket for the refrigerator	IPO, Chennai	Feb 2022	Published
75.	202141061248A	Mr. Samuel Swamidoss MK / Mech	Wireless Sensor Network for Long-term Environmental Checking for Internet of Things Application	IPO, Chennai	Jan 2022	Published
76.	353645-001	Mr.A.Venkatesh /EIE	Electric scooter for handicapped	IPO, Chennai	Jan 2022	Published
77.	202141053774	Mrs. K. Saranya / EEE	PNH-device: IOT-based ICU patient notification and health monitoring device	IPO, Chennai	Dec 2021	Published
78.	202141053716	Dr. T. Ayyappan, Dr.A.Hemalatha, N. V. N. Ravali, Dr. K. Srinivasan/Civil, Ms.R.Anuja /Civil, Mrs.S.Rameshwari, Mr.M.Sudharsanan /Civil, Mr. K Hareesh, Dr.S.Robert Ravi, Dr. C. Selin Ravi Kumar	Experimental studies on banana fibre with concrete composites	IPO, Chennai	Dec 2021	Published

S.No	ApplicationNo.	Name of the Inventors & Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
79.	202141054387	Dr.K.Rameshkumar /EEE	Development of robotics hand fingers using worm and wheel mechanism	IPO, Chennai	Dec 2021	Published
80.	202141057852	Dr. Sudha V.K S. Sugunavathy Parthiban. D Dr. S. Bharathi Dept. of ECE	Wearable textile antenna	IPO, Chennai	Dec 2021	Published
81.	202141043312 A	Dr.N.Suba Rani/AI & DS, Dr.A.Noble Mary Juliet, Dr.M.L.Valarmathi, Dr.N.Senthil madasamy, Dr.N.Gobi, Dr.J.Bhavithra, Dr.M.Pandi Dept. of CSE	Coconut sorting machine and an artificial intelligence based method for evaluating the quality of coconuts	IPO, Chennai	Nov 2021	Published
82.	202141049829A	Mr. T.Sathesh Kumar /EEE	Deep learning based fault detection electrical distribution network	IPO, Chennai	Nov 2021	Published
83.	202141045081	Dr. N.Gobi /CSE	Mechanical movement based extra lower door step in bus for easy access designed for elderly people	IPO, Chennai	Nov 2021	Published
84.	350142-001	Dr. L.Chitra /EEE	Ergonomic of child seat in electric tri-scooter	IPO, Chennai	Oct 2021	Published
85.	202141041223	T.Sathesh Kumar /EEE	Artificial intelligence based smart powering technique using solar tracking system	IPO, Chennai	Oct 2021	Published
86.	202141036613	Dr.K.Rameshkumar /EEE	AI based anti-theft detection in two wheelers	IPO, Chennai	Aug 2021	Published

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87.	202141029313	Dr. A Noble Mary Juliet / CSE	An AI-assisted, liquid-based universal focal length adjustable eyeglasses	IPO, Chennai	Jul 2021	Published
88.	2021102752	Janani, A. P/IT	Integrated intelligence resource and security management system for cloud data centers	Australian Patent Office	June 2021	Granted
89.	202141026200	Dr.N.Yogambal Jayalakshmi, Dr.T.Vinoth Kumar, Dr. K. Umamaheswari, Dept. of EEE	Real time based IOT enabled smart metering system	IPO, Chennai	Jul 2021	Published
90.	202141027057 A	Mr.P.Kathirvel, Dr.K.Vijayakumar, Mr.L.Jayaraman, M.Ganeshan/MCT Dr.K.Rameshkumar/EEE Mr.Maideen Abdhulkader Jeylani/ECE Dept. of EIE	Smart pharma drug locator	IPO, Chennai	Jul 2021	Published
91.	202141031413	T. Sathiyapriya, Mr.V. Gurunathan, Mr. A. Shafeek Dept. of ECE	Mechanical movement based extra lower door step in bus for easy access designed for elderly people	IPO, Chennai	Jul 2021	Published
92.	202141021319A	Dr.M.Selvakumar, Dr.M.Thirunavukkarasu, Dept. of Auto	Cost effective convergence mechanism for self-regulating molding	IPO, Chennai	Jun 2021	Published
93.	202141020600 A	Dr.M.Selvakumar /Auto	Pugh matrix based decision making for the borewell rescue system	IPO, Chennai	Jun 2021	Published

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94.	202141031207	Dr.B.Kishore /EEE	IOT enabled convenient digital spectrophotometer to investigate engine oil and impurities level in real time practice	IPO, Chennai	Jun 2021	Published
95.	202141019750	J.Nagarajan /EEE	Machine learning-based image processing system to analyse human skin quality	IPO, Chennai	May 2021	Published
96.	202141021703	Dr.K.Rameshkumar, Dr.A.Senthil Kumar, Dr.M.Kaliamoorthy, Mr. P. Kathirvel, Dept. of EEE	Model predictive current control of single-phase 9-level reduced switch multilevel inverter	IPO, Chennai	May 2021	Published
97.	202141021319	Dr.B.Kishore /EEE	Cost effective congruence mechanism for self-regulating molding machine using IOT and signal processing	IPO, Chennai	May 2021	Published
98.	2021101893	Dr.N.Yogambal Jayalakshmi /EEE	Design of hybrid drone with IOT based smart battery management system	Australian Patent office	April 2021	Published
99.	202141011242A	Dr.M.Thirunavukkarasu /Auto	Advanced IAQ control system and alcohol detector for commercial vehicles	IPO, Chennai	Mar 2021	Published
100.	202141008887	Dr.M.Selvakumar, /Auto	Areca nut harvesting machinery with pesticide sprayer	IPO, Chennai	Mar 2021	Published
101.	202141010521	Dr.N.Yogambal Jayalakshmi /EEE	Portable IOT based hybrid power generator for commercial purpose	IPO, Chennai	Mar 2021	Published
102.	202111012231	Dr.N.Yogambal Jayalakshmi /EEE	AI based hybrid leg wheel track ground mobile robot	IPO, Chennai	Mar 2021	Published

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103.	202141010226 A	Dr.M.Balakrishnan /AI & DS Dr.A.B.Arockia Christopher, Mr.J.Ramprasath, Mr.N.Praveen Sundra Kumar,Dept. of IT	A fault diagnosis system and rectification method for uniform power generation in solar power plants	IPO, Chennai	Mar 2021	Published
104.	202141002420	Dr.K.N.Vijeyakumar /ECE Dr.A.Rathinavelu /CSE	IOT based multi-user smart system for reliable water supply	IPO, Chennai	Jan 2021	Published
105.	2020103913	Dr.Karthick Jayaram/Auto	Method of synthesizing hybrid composite metal with natural ceramic and joining thereof	Australian Patent office	Jan 2021	Published
106.	202041053245A	R. Menaha /IT	A hybrid model for finding abbreviation definition pairs from biomedical abstracts and definitions of acronym from web	IPO, Chennai	Dec 2020	Published
107.	202041042045	Dr.Karthick Jayaram /Auto	Ecofriendly 3D printing element	IPO, Chennai	Oct 2020	Published
108.	202031027960	Dr.N.Senthil Madasamy,Dr. M.Pandi Mr.K.Srinivasan, Dept. of CSE	System on chip to trans-receive multiple frequency communication	IPO, Chennai	Sep 2020	Published
109.	202041034060	Dr. M.Pandi, Dr.S.Veeramani, Dr.N.Senthil Madasamy, Dept. of CSE	Hybrid response and traffic control algorithm (HRTC) based congestion detection and control techniques in denser IOT networks	IPO, Chennai	Sep 2020	Published
110.	202041033177	Dr.Karthick Jayaram /Auto	Method for manufacturing fem by combined FRP & metal thereof	IPO, Chennai	Aug 2020	Published
111.	202041026204 A	Dr.Karthick Jayaram /Auto	Healing aided bio-mask	IPO, Chennai	Jul 2020	Published

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112.	201841040121 A	Dr.I.Rajendran, Dr. Rama Thirumurugan, Dr. R. Gnanaguru, Mr. S. Gnanakumar, Mr. T. Vigneshkumar, Dept. of Mechanical	Induction water heater	IPO, Chennai	May 2020	Published
113.	201841040122 A	Dr.I.Rajendran, Dr. Rama Thirumurugan, Mr. N. Santhosh, Mr. K. Prabu, Mr. C. Selvasenthil Prabhu, Dept. of Mechanical	Fail-safe mechanical latching system for three-way tippers	IPO, Chennai	May 2020	Published
114.	202041007646 A	Dr.K.Mohaideen Abdul Kadhar, /ECE, Mr.L.Gowtham	An interactive assistive device system for visually impaired people	IPO, Chennai	Apr 2020	Published
115.	202041007470 A	Dr.K.N.Vijeyakumar, Dr.R.Sudhakar, Dr. Vinoth Kumar /EEE Ms.Kalaiselvi , Dept. of ECE	Switching device	IPO, Chennai	Apr 2020	Published
116.	202041000403	Dr. M Pandi, Dr. N Senthil Madasamy, Dr.T.Sivakumar, Dr.S.Veeramani, Mr.K.Srinivasan, Mr.P.Boopathirajan, Dept. of CSE	An application program interface for gene expression data clustering	IPO, Chennai	Mar 2020	Published

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117.	202041006184	Dr.M.Balakrishnan /AI&DS Dr.A.B.Arockia Christopher /IT	Systematic model for constant water quality monitoring using IOT	IPO, Chennai	Feb 2020	Published
118.	201941019359	Dr.S.Ramakrishnan Dr.P.SathiyamurthiDept. of IT	A system for speech cryptography and mutual authentication using generated neuro-chaotic random numbers	IPO, Chennai	May 2019	Published

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1.	4206/2024-CO/L	D Calvin Sophistus King, Dean IRTD	ICE cube model	IPO ,Delhi	Feb 2024	Registered
2.	-	Ms.S.C.Lavanya, AP (SS)/CSE	Workbook on introduction to Big Data	IPO ,Delhi	Feb 2024	Registered
3.	978-81-19584-30-7	Dr.Venkat Satish Mr.Prasadarao Mr.Debdoot Mukheryi	YAADEIN (A Topestry of timeless memories)	IPO ,Delhi	Jan 2024	Published
4.	27379/2023-CO/L	Dr. Ramakrishnan-S Dean RI- Professor - IT	Research and Innovation Process Handbook of Dr.Mahalingam College of Engineering and Technology	IPO ,Delhi	Oct 2023	Published
5.	L 82720/2019	Ms.S.C.Lavanya Ms.C.Devipriya AP/CSE	C programming work book and study material (Copy Right)	IPO ,Delhi	May 2019	Published