

Dr. Mahalingam College of Engineering and Technology, Pollachi-642 003
(An Autonomous Institution)

Office of Dean - Research & Innovation

Indian Patent Right Details

December 2022

S.No.	Application No.	Name of the Inventors & Department	Title of the Patent	Type of IPR	Month & Year of Publication	Status
1.	348928-001	Dr.T.Sathis Kumar, Dr.N.Kavitha, Mr. Md. Abdul Raheem Junaidi, Dr Kishore /EEE	A supporter for portable terminal	IPO, Chennai	Dec 2022	Granted
2.	202141016329	Dr.M.Selvakumar, Dr.M.Thirunavukkarasu, Mr.R.VishnuameshKumar, Dept. of Automobile Dr.B.Kishore /EEE	Self-charging bi-cycle with solar panel	IPO, Chennai	Aug 2022	Granted
3.	2020102000	Dr.C.Kalamani /ECE	Low radiation wearable microstrip antennas for embedded skin patch applications	Australian Patent office	Aug 2022	Granted
4.	201941019354 A	Dr.M.Selvakumar /Auto	Titanium-titanium boride composite as a bio material for hip, knee implants	IPO, Chennai	Jun 2021	Granted
5.	2020103913	Dr.Karthick Jayaram/Auto	Method of synthesizing hybrid composite metal with natural ceramic and joining thereof	Australian Patent office	Jan 2021	Granted
6.	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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7.	202241046378 A	B. Saravanakumar, J. Johnson William, Dept. of S&H	Hierarchically porous MN-MOFS composite with RGO as an efficient electrode material for supercapacitor application	IPO, Chennai	Aug 2022	Published
8.	202241046374 A	B. Saravanakumar, J. Johnson William, Dept. of S&H	Two dimensional CR2C MXENE decorated with COFE2O4 nanoparticles for high performance supercapacitor application	IPO, Chennai	Aug 2022	Published
9.	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
10.	202221001808	Dr. M. Pandi /CSE	Deep learning techniques to assess the network security aspects	IPO, Chennai	May 2022	Published
11.	202241023296	Sathiyamurthi P/IT Natarajan N/Civil Senthil Kumar L/Maths Ms. C. Devipriya/CSE Ms. R. Dhivya /CSE	Multi-purpose detangling device with liquid dispenser	IPO, Chennai	May 2022	Published
12.	202241025898	Dr. N. Senthil Madasamy/CSE	IOT based smart surgery management system for hospitals	IPO, Chennai	May 2022	Published
13.	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
14.	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
15.	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

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16.	202241017796	G.Anandhi /IT	Touchless ATM utilizing mobile phones with instant pin number generation	IPO, Chennai	April 2022	Published
17.	202241025599	Mr.Anthony Jesudurai S/EEE	A data processing device for electric vehicle based on IOT	IPO, Chennai	Mar 2022	Published
18.	202241007240	A.P.Janani /IT	System and method for generating cybersecurity analytics for enterprise data using threat based artificial intelligence	IPO, Chennai	Mar 2022	Published
19.	202041039231	B. Saravanakumar /S&H	Zinc oxide/carbon nanocomposite process of preparation and there of.	IPO, Chennai	Mar 2022	Published
20.	202241008807	Dr. K. Srinivasan Mr. P.S. Sathish Kumar Mrs. Latha Chinnaswamy Mr. A. Manikandan Dept. of Civil	Performance study of coconut shell aggregate concrete with bamboo reinforcement	IPO, Chennai	Mar 2022	Published
21.	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
22.	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
23.	353645-001	Mr.A.Venkatesh /EIE	Electric scooter for handicapped	IPO, Chennai	Jan 2022	Published
24.	202141053774	Mrs. K. Saranya / EEE	PNH-device: IOT-based ICU patient notification and health monitoring device	IPO, Chennai	Dec 2021	Published

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25.	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
26.	202141054387	Dr.K.Rameshkumar /EEE	Development of robotics hand fingers using worm and wheel mechanism	IPO, Chennai	Dec 2021	Published
27.	202141057852	Dr. Sudha V.K S. Sugunavathy Parthiban. D Dr. S. Bharathi Dept. of ECE	Wearable textile antenna	IPO, Chennai	Dec 2021	Published
28.	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
29.	202141049829A	Mr. T.Sathesh Kumar /EEE	Deep learning based fault detection electrical distribution network	IPO, Chennai	Nov 2021	Published
30.	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
31.	350142-001	Dr. L.Chitra /EEE	Ergonomic of child seat in electric tri-scooter	IPO, Chennai	Oct 2021	Published

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32.	202141041223	T.Sathesh Kumar /EEE	Artificial intelligence based smart powering technique using solar tracking system	IPO, Chennai	Oct 2021	Published
33.	202141036613	Dr.K.Rameshkumar /EEE	AI based anti-theft detection in two wheelers	IPO, Chennai	Aug 2021	Published
34.	202041006012A	Dr.I.Rajendran, Dr. Rama. Thirumurugan, Dr.S.Madhusudhanan, Dr.K.Hariharan, Mr.N.Santhosh, Dept. of Mechanical	Handheld weed plucker	IPO, Chennai	Aug 2021	Published
35.	202141029313	Dr. A Noble Mary Juliet / CSE	An AI-assisted, liquid-based universal focal length adjustable eyeglasses	IPO, Chennai	Jul 2021	Published
36.	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
37.	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
38.	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

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39.	202141021319A	Dr.M.Selvakumar, Dr.M.Thirunavukkarasu, Dept. of Auto	Cost effective convergence mechanism for self-regulating molding	IPO, Chennai	Jun 2021	Published
40.	202141020600 A	Dr.M.Selvakumar /Auto	Pugh matrix based decision making for the borewell rescue system	IPO, Chennai	Jun 2021	Published
41.	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
42.	2021102752	Janani, A. P/IT	Integrated intelligence resource and security management system for cloud data centers	Australian Patent Office	Jun 2021	Published
43.	202141019750	J.Nagarajan /EEE	Machine learning-based image processing system to analyse human skin quality	IPO, Chennai	May 2021	Published
44.	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
45.	202141021319	Dr.B.Kishore /EEE	Cost effective congruence mechanism for self-regulating molding machine using IOT and signal processing	IPO, Chennai	May 2021	Published
46.	2021101893	Dr.N.Yogambal Jayalakshmi /EEE	Design of hybrid drone with IOT based smart battery management system	Australian Patent office	April 2021	Published
47.	202141011242A	Dr.M.Thirunavukkarasu /Auto	Advanced IAQ control system and alcohol detector for commercial vehicles	IPO, Chennai	Mar 2021	Published
48.	202141008887	Dr.M.Selvakumar, /Auto	Areca nut harvesting machinery with pesticide sprayer	IPO, Chennai	Mar 2021	Published

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49.	202141010521	Dr.N.Yogambal Jayalakshmi /EEE	Portable IOT based hybrid power generator for commercial purpose	IPO, Chennai	Mar 2021	Published
50.	202111012231	Dr.N.Yogambal Jayalakshmi /EEE	AI based hybrid leg wheel track ground mobile robot	IPO, Chennai	Mar 2021	Published
51.	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
52.	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
53.	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
54.	202041042045	Dr.Karthick Jayaram /Auto	Ecofriendly 3D printing element	IPO, Chennai	Oct 2020	Published
55.	202031027960	Dr.N.Senthil Madasamy, Dr. M.Pandi Mr.K.Srinivasan, Dept. of CSE	System on chip to trans-ceive multiple frequency communication	IPO, Chennai	Sep 2020	Published
56.	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
57.	202041033177	Dr.Karthick Jayaram /Auto	Method for manufacturing fem by combined FRP & metal thereof	IPO, Chennai	Aug 2020	Published
58.	202041026204 A	Dr.Karthick Jayaram /Auto	Healing aided bio-mask	IPO, Chennai	Jul 2020	Published
59.	201841040120 A	Dr.I.Rajendran, Dr. Rama. Thirumurugan, Mr. E. Baskaran, Mr. M. Padmanaban, Mr. Sreejith S. Nair, Dept. of Mechanical	Flour extruder	IPO, Chennai	May 2020	Published

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60.	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
61.	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
62.	202041007646 A	Dr.K.Mohaideen Abdul Kadhar, /ECE, Mr.L.Gowtham	An interactive assistive device system for visually impaired people	IPO, Chennai	04/2020 (FER Submitted on 20/04/2022)	Published
63.	202041007470 A	Dr.K.N.Vijeyakumar, Dr.R.Sudhakar, Dr.Vinoth Kumar /EEE Ms.Kalaiselvi , Dept. of ECE	Switching device	IPO, Chennai	04/2020 (FER Submitted)	Published
64.	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
65.	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

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66.	201941019359	Dr.S.Ramakrishnan Dr.P.Sathiyamurthi Dept. of IT	A system for speech cryptography and mutual authentication using generated neuro-chaotic random numbers	IPO, Chennai	May 2019	Published
67.	201841023877	Dr.R.Sudhakar, Dept. of ECE	Virtual friend for elderly/differently abled	IPO, Chennai	Sep 2018	Published