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Sl.No.	Name(s) of the innovators [faculty or student(s)] in PeriyarManiammai Institute of Science & Technology	Patent Number / Design Applications	Title of the IPR	Date of IPR Filed/Published
1	Applicant: PeriyarManiammai University Inventors: Ms. R. Vanitha, Ms. M. Gayathiri, Ms. M. Chitra Devi, Mr. K.M. Arivuchelvan, Mr. U. Natarajan, Ms. R. Poonguzhali, Ms. M. Sangeetha, Ms. P. Aruna, Mr. P. Ilangovan, Mr. M. Saravanan and Ms. S. Susela	SW-10238/2018	Brilliant Resource for Academic Institution (BRAIN) V2.13 Software	12 th March 2018

Design Application Published:

Sl.No.	Name(s) of the innovators [faculty or student(s)] in PeriyarManiammai Institute of Science & Technology	Patent Number / Design Applications	Title of the IPR	Date of IPR Filed/Published
1.	Applicants and Inventors: Mr. Johnson Ebenezer R and Dr. Kumaran	307134-001	Design Applications: Novel geometry of Reactor for Biodegradable Hospital Waste Treatment	27 th June 2018 Published: 1/3/2020
2.	PeriyarManiammai Institute of Science & Technology	312860-001	Design Applications: Novel geometry for Mobile Charger	6 th Dec 2018 Published: 11/8/2019
3.	PeriyarManiammai Institute of Science & Technology	312861-001	Design Applications: Novel geometry for Brushing Instrument	6 th Dec 2018 Published: 11/29/2019
4.	PeriyarManiammai Institute of Science & Technology	312862-001	Design Applications: Novel geometry for Television	6 th Dec 2018 Published: 1/7/2020

5.	PeriyarManiammai Institute of Science & Technology	312868-001	Design Applications: Novel geometryforDustbin	6 th Dec 2018 Published: 30/12/2019
6.	PeriyarManiammai Institute of Science & Technology	312866-001	Design Applications: Novel geometryforTV Remote	6 th Dec 2018 Published: 26/06/2020
7.	PeriyarManiammai Institute of Science & Technology	312872-001	Design Applications: Novel geometryforLED Screen	6 th Dec 2018 Published: 11/8/2019
8.	Applicants and Inventors: Mr.S.SatheeshRakin Dr.S.P.K. Babu and Mr.U.Saravanakumar	202141020101	A docking station for an autonomous drone used for forest fire detection	3 rd May 2021
9.	Dr. C. V. Subramanian	345469-001	Design Applications: Novel geometry for Heliodon Solar Simulator	29 th June 2021 Publication: 10.8.2021

Patent published:

Sl.No.	Name(s) of the innovators [faculty or student(s)] in PeriyarManiammai Institute of Science & Technology	Patent Number / Design Applications	Title of the IPR	Date of IPR Filed/Published
1.	Dr.P.K. Srividhya	1543/CHE/ 2014 4997	Intelligent Post Box	24 th March 2014
2.	Dr.S.Chittibabu	2413/CHE/ 2014 8744	Sand Free FLY ASH Bricks Composition	15 th May 2014
3.	Dr.S. Kumaran	2185/CHE/ 2014 7777	Wound Healing Nano Spray	29 th April 2014
4.	Mr.G.Ravichandran	2878/CHE/ 2014 10694	Green Concrete Mixture Composition	14 th May 2014
5.	Mr.G.Ravichandran	2879/CHE/ 2014 10694	ECO - Friendly Interlocking Block	14 th May 2014
6.	Dr.S.Chittibabu	TEMP/E- 1/9711/2017- CHE10942	Development of diagnostic for instantaneous ABO & Rh Blood Grouping	(Patent office journal No. 39/2018 Dated 28/09/2018 Page no: 36873)

7.	Applicant: Indian Air Force (First patent for IAF) Inventors: Dr.N.Ramachandran, Dr.R,Kathiravan, Dr.L.Jayanthi, R. Rakesh, Mr. I. Kartic Subramanian, Mr. J. Kesavan, Mr. C. Ramachandradurai, Dr.V. Hamsadhwani, Dr.C.Narmadha and Ms. L. Sarojini	201741024300 and WO 2019/016671 A1 (WIPO)	Electro Pneumatic Projectile Launching Training System	16 th July 2017 and 24 Jan 2019
8.	Applicants and Inventors: Mr. V. Rajkumar, Dr.M.Sharmila Begum and Dr.A.George	201741045135 A	System and Method for Securing Raw and Analysed Data	File Date: 15.12.2017 Publication: 28 th Sep 2018
9.	Applicants and Inventors: Ms. Safreen Shaikh dawoodamanulla, Mr.Sudharsan.T and Dr.S.Chittibabu	201741009731 A	Development of diagnostic strip for instantaneous ABO & Rh Blood Grouping	File Date: 21.3.2017 Publication : 28 th Sep 2018
10.	Applicants and Inventors: Mr. Johnson Ebenezer R and Dr.Kumaran S	201941023830 A	Sequential Processing Hexagonal Reactor For Bio-degradable Hospital Waste	File Date: 15 th June 2019 Publication :21.6.2019
11.	Applicants and Inventor: Ms. N. Priya	2020101843 (Invention filed in Australia)	A system monitoring for harvesting of farming using Drone technology	Granted on 9 th Sep 2020
12.	Applicant and Inventor: Dr. D. Jeyasimman	202041057084A	Multistage, Filtration of Industrial Waste Water with Automated Supervisory Control Through IoT Cloud Computing Sensor Network System (ICCSNS)	File date: 30.12.2020 Publication: 8 th Jan 2021
13.	Applicant and Inventor: Dr. S. Velusami	202141006789A	Chaotic Self-Adaptive Interior Search Algorithm to Solve Complex Power System Economics and Emission Problems	File date: 18.2.2021 Publication: 26 th Feb 2021
14.	Applicants and Inventors: Dr.C.Narmadha and Dr.V.Hamsadhwani	2021101274 (Invention filed in Australia)	Integrated Multimodal Sensor System for Agri Farms	Granted on 21 st April 2021

15.	Applicant and Inventor: Dr. D. Jeyasimman	202141013948 A	Dynamic Scheduling of Ultra-High-Speed Multi-Tasking Processor to Handle Integrated Sensor Circuits in Automated Robot	File date: 29.3.2021 Publication: 9 th April 2021
16.	Applicants and Inventors: Dr. P.K. Srividhya, Dr. D. Jeyasimman, Mr. A. Pugazhenth, Mr. S.P. Manikandan and Mr. C.M. Vivek	202141014297A	Parametric Analysis and Reduction of Crown Shrinkage in Piston Castings.	File date: 30.3.2021 Publication: 9 th April 2021
17.	Applicants and Inventors: Mr. J. Jerald Ms. S. Devadharsini Mr. M. Abdul Rahman Dr. P.K. Srividhya and Mr. A. Pugazhenth	202141015934A	Solar and Electric Powered Foot Operated Vehicle with Reverse Mechanism for Arm Impaired Person	File date: 5.4.2021 Publication: 16 th April 2021
18.	Applicants and Inventors: Dr. P.K. Srividhya, Mr. P. Ilangovan and Dr.M. Sharmila Begum	2021410108013A	Design and Fabrication Prototype of Biogas Digester for Anaerobic Digestion to Predict Methane	File Date: 19.4.2021 Publication: 30 th April 2021
19.	Applicants and Inventors: Dr.Sharmiala Begum, Mr. V. Rajkumar, Ms.S.P. Ramya, Dr.P. Aruna, Ms. S. Suseela, Mr. P. Ilangovan and Mr. M. Chandrakumar Peter	202141016995 A	IOT based warehouse safeguard system for harvested agricultural crops	File Date: 23 rd April 2021 Publication: 23.4.2021
20.	Applicants and Inventors: Dr. P. K. Srividhya, Mr. R. Rakesh, Mr.U.Saravanakumar, Mr. N. Shivakumar, Mr. P. Ilangovan and Mr. Karthick Subramanian	20241020112 A	Design and Fabrication of Coconut Tree Climbing Robot	File Date: 3.5.2021 Publication: 14 th May 2021
21.	Applicant and Inventor: Mr. R.Rakesh	2021101936 (Australia Patent)	Motion Planning and Control Algorithm for Obstacle Avoidance for Point Mobile Robots	Granted on 19 th of May 2021
22.	Applicant and Inventor: Mr. R.Rakesh	202121031204 A	Group Signature Based Security Technique for privacy Identity Information Protection in Blockchain	File Date: 12.7.2021 Publication: 06.08.2021

23.	Applicants and Inventors: Ms. M. Thamariselvi, Mr. G. Ajaykumar, Ms. A. Bargana, Ms. S. Sivapriya, Mr. R. Chandrasekaran, Ms. C. Rajanadhini, Dr. V. Violet Julie, Dr. L. Jayanthi, Mr. K. Arunganesh, Mr. M. Chandrakumar Peter and Mr. D. Maheshkumar	202141026747 A	Development of mini cloud server with portable on board computer	File Date: 16.6.2021 Publication: 25.6.2021
24.	Applicant and Inventor: Ms. N. Priya	202111027107 A	Apparatus and method for an electrical switching	File Date: 17 th June 2021 Publication: 16.7.2021
25.	Applicants and Inventors: Ms.S. Rashmika, Mr. A.Akash, Mr. J.Monish, Mr. Ramanan Sivakumar and Dr.A.E.Narayanan	202141025430 A	Preservation of nutrients of the stored meat by IOT based machine learning enabled technology	File Date: 8.6.2021 Publication: 25 th June 2021
26.	Mr.R.Chandrasekaran Dr.C.Rajanadhini Dr.V.violetjuli	202141029408 (Only filed)	Automatic Pearl Millet Seed Remover Using Artificial Intelligence	File Date: 30 th June 2021
27.	Dr. D. Jeyasimman and Dr.Ramasamy, N.	2021102151 (Australia Patent)	Method to Identify the Influence of Non-Metallic Inclusions in Segregated Banded- Zone During Plate Groove Butt Joint Welding	Granted on 7 th July 2021
28.	Mr.R. Poonguzhali Dr.T. Kavitha	202141031534 A	Smart Mask Shaped Mouthset Capable of Enhancing and Synthesizing Speech Even from Lip Movements	File date: 14/07/2021 Publication: 30/07/2021
29.	Ms. N. Priya, Mr. K. Arun Ganesh, Mr. B. Balaji,	202141036845 A	Electricity Conservating System and Method Thereof	File date: 13.8.2021 Publication: 24 th Sept 2021

30.	Mr. B. Balaji Mr. U. Saravana Kumar Dr. L. Jayanthi	202141043325 A	An Efficient Prediction and Assessment Of Vehicles in Real Time Traffic	File date: 24/09/2021 Publication: 05/11/2021
31.	Dr.L.Jayanthi	202141052319 A	5G Network Architectures to Next- Generation Terrestrial Broadcasting Platform Aligned Internet	File date: 15.11.2021 Publication: 03/12/2021
32.	Dr.D.Jeyasimman	2021107427 (Australia Patent)	Artificial Intelligence based smart computing on-Board ECU for predicting Vehicle Parts Reliability and Failure	Granted on 8 th December 2021
33.	Dr,N,Muruganantham	202141056044 A	Estimating the State of Health of Lead-Acid Battery using Feed Forward Neural Network	File date: 3.12.2021 Publication: 10/12/2021
34.	Mr.C.M.Vivek	202141054026 A	IOT Based Morden Utensil Washing Machine	File date: 23.11.2021 Publication: 10/12/2021
35.	Dr.K.Lakshmi	2021106051 (Australia Patent)	Collaborative Contact Layer based health data Multimodal Deep Learning model	19.08.2021 (filing) Granted on 3.11.2021
36.	Periyar Technology Business Incubator	2305/CHE/2011	Vessel Polishing Apparatus	File Date: 5.7.2011 Date of Grant 9.2.2022
37.	Dr.K.Geetha	202241005194 A	A Process of Preparation of Nanomineral Supplement Oral Dispersible Film for Augmenting Productivity in Cattle and Product Thereof	File Date: 31.01.2022 Publication: 11.02.2022
38.	C.M.Vivek	202241002749 A	Fuel Cell and PV Array-Based Hybrid Power Generation	File Date: 18/01/2022 Publication: 04/02/2022
39.	Applicant: Periyar Maniammai Institute of Science and Technology Inventors:	202241005964A	Smart Factory Automation with PLC and SCADA configurations	File Date: 03.02.2022 Publication: 11.02.2022

	Dr.C.Narmadha Dr.V.Hamsadhwani Mr.J.Kesavan Mr.I karthic Subramaniyan Mr.R.Rakesh Mr.U.Saravanakumar			
40.	Dr,N,Muruganantham Mr.K.Arunganesh Mr.B.Balaji Mr.P.Muhilan Dr.G.Saravanakumar Ms.N.Priya Ms.M.Sharmila	202241010064 A	Design and Implementation of E-Vehicle Charging Station Using Solar With IOT	File Date: 24.02.2022 Publication: 04.03.2022
41.	Dr.R.Arumugam Ms.M.Rajathi Ms.S.Manjula	202241019884 A	A Model to Predict Vital Sign using Machine Learning	File Date: 1/4/2022 Publication: 22/4/2022
42.	Applicant: Periyar Maniammai Institute of Science and Technology Inventors: Mr.R.Rakesh Dr. V. Violet Juli Dr. C.Narmadha Dr. S.Janani Mr. U.Saravana Kumar Ms. C.Rajanandhini Mr.N.Shivakumar Mr. A. Pugazhenth Ms. M. Swetha Ms. M. Sathya Mr. S.Sarath Kumar (student) Mr. S.Ramya (student)	202241025094 A	Electric Pole Climbing Bot	File Date: 28.4.2022 Publication: 13.05.2022
43.	Dr. S.Janani	202241025600 A	Management Information System in E- Commerce using Block Chain Technology	File Date: 2.5.2022 Publication: 13.5.2022

44.	S.P.Ramya	202241023349 A	Design and construction of a smart home system with Labview	File Date: 20.4.2022 Publication: 6.5.2022
45.	Dr.M.Sharmila Begum	202241020829 A	Headset-Wearable and Modular Device for Hybrid Brain-Computer Interface	File Date: 07.04.2022 Publication: 29.04.2022
46.	Dr.B.Anupriya	202241004392A	A Technical physical assessment of the structural steel manufacture for improving the performance	File Date: 27.01.2022 Publication: 04.02.2022
47.	Dr.A.Muthamiz Selvan	202241030064A	Self Diagnosis of Liver Disease Symptoms using Machine Learning	File Date: 25.5.2022 Publication: 3.6.2022
48.	Dr. V. Violet Juli Ms. C.Rajanandhini Dr. D.Maghesh Kumar Mr. M.Chandrakumar Peter Dr. M. Sharmila Begum Mr.P.Ilangovan	202241033070 A	Design And Implementation of Based Multifunctional Agribot Using IOT	File Date: 9.6.2022 Publication: 17.6.2022
49.	Applicant: Periyar Maniammai Institute of Science and Technology Inventors: Dr. V. Violet Juli Dr.C.Narmadha Mr.U.Saravanakumar Dr. C.Rajanandhini Mr.R.Rakesh Ms.C.Sathya Ms.N.Devadharshini Ms.R.Deepika	202241044139A	Security Attacks Detection using Deep Learning in Wireless Sensor Network	File Date: 2.8.2022 Publication: 5.8.2022
50.	Dr. S.Janani	202241052551 A	Artificial intelligence and IoT based smart health care system to prevent and detect all types of Lung disease and level of infection and diagnose at early stage using data mining, cloud computing and Deep learning algorithms.	File Date: 14.09.2022 Publication: 23.9.2022

51.	Dr.D.Jeyasimman	2022/07353 SOUTH AFRICA	A Composition and a Method for Preparing Nanocrystalline Powder	File date 04.07.2022 Granted on 28.9.2022
52.	Dr.K.Thiyagarajan	202241057921 A	A Microcontroller-Based Internet of Things System for the Detection of Alive Humans in Disaster and War Areas	File Date: 10.10.2022 Publication: 14.10.2022
53.	Applicant: Periyar Maniammai Institute of Science and Technology Inventors: Dr.P.Vijayalakshmi Dr.R.Sathishkumar Dr.D.Umamakeshwari Dr.N.Jayanthi	202241057756 A	Innovative Approach for Prediction of Stock Price and Movements using Fuzzy Inference system and Machine learning algorithms	File Date: 10.10.2022 Publication: 21.10.2022
54.	Dr.K.Thiyagarajan	202241060787A	Using LoRa and a lightweight dynamic clustering algorithm, a mobile data sink can be made wide-area WSNs that are connected to the Internet of Things	File Date: 25.10.2022 Publication: 28.10.2022
55.	Dr.P.Anusha	202241062480 A	Impact of Lorawan on Performance of Cloud-Based IoT Platforms and FOG computing	File date 2.11.2022 Granted on 11.11.2022
56.	Dr.P.Anusha	202241062481 A	IoT system for monitoring gateways using Lora and Lorawan	File date 2.11.2022 Granted on 11.11.2022
57.	Ms.R.Poonguzhali Ms.T.Kavitha	202141019041 A	A Novel Proposed Autonomicarchitecture to Enforce and Assure Security in Cloud Environments	File date 26.4.2021 Granted on 7.5.2021
58.	Applicant: Periyar Maniammai Institute of Science and Technology Inventors: Dr.J.Jayanthi Dr.R.Balakumar Ms.K.Rajeswari	202241072401 A	Fuzzy Optimal Control with Desired End State Modeled by a Linguistic Concept	File date 14.12.2022 Granted on 30.12.2022

	Dr.S.Buvaneswari Dr.C.Vimala Dr.A.Sasikala			
59.	Applicant: Periyar Maniammai Institute of Science and Technology Inventors: Dr.P.N.Sudha Dr.P.Geetha Dr.R.Balakumar Dr.S.Manimozhi Dr.A.Muthamiz Selvan Dr.S.Dilip Jose	202241073073 A	Relating the use of Materials to encode and decode message with population models and control terrestrial traffic	File date 16.12.2022 Granted on 30.12.2022
60.	Mr.N.Shivakumar Dr.P.K.Srividhya Mr.A.Pugazhenth Mr.R.Rakesh	202241028521 A	Hanger attached with adjustable ironing pad for quick and easy ironing	File date 18.12.2022 Granted on 30.12.2022
61.	Applicant: Periyar Maniammai Institute of Science and Technology Inventors: Dr.G.Preethi Dr.S.Manimozhi Dr.V.Srithar Dr.M.Sharmila Begum Dr.M.Chandrakumar Peter Dr.D.Maghesh Kumar	202241072731 A	IOT based water leakage management system	File date 15.12.2022 Granted on 30.12.2022