

## LIST OF PATENT PUBLICATIONS AND GRANT

S.No	Year	Title of the Patent	Application Number	Name of the Applicant	Date of Published	Status
1.	2024	Multi-Crop Cutter and Herbicide with Auto Feeder	202441089351	Dr.S.Thillikkani	29/11/2024	Published
2.	2024	Coconut Scraper with Customizable Speed	202441086898	Dr.S.Thillikkani	15/11/2024	Published
3.	2024	Food Tray	430373-001	Dr.A.Karthik	13/09/2024	Grant
4.	2024	Multi crop cutter and Herbicide with auto feeder	429089-001	Dr.S.Thillikkani	02/09/2024	Grant
5.	2024	Machine Learning Based Device for Identifying medical plants using image processing	409751-001	Akshaya College of Engineering and Technology Dr. K Sivasankari Mrs. K Nimisha Mr. Devi Reddy Harshavardhan Mr. S V Vasudevan	03/05/2024	Grant
6.	2024	Device for Measuring water pollutants level	409750-001	Akshaya College of Engineering and Technology Dr. R Prem Sudha Dr. S. Kapilan Mr. K Dhinesh Kumar Mr. S Kathirvel	03/05/2024	Grant
7.	2024	Implementing IOT-based smart control and simulation for enhanced agricultural systems	202441019896	Mr. Balaji Sampathkumar	29/03/2024	Published

8.	2024	IOT-Enhanced secure data encryption and transmission for next-generation computing environments	202441002776	Mr. Balaji Sampathkumar	29/03/2024	Published
9.	2024	Sensor based Agricultural Robot for Pesticide Spraying	6352307	Mr. Balaji Sampathkumar	20/03/2024	Grant
10.	2024	AI-Driven strategic decision support system for business leaders: a cognitive analytics approach to enhance decision-making in dynamic markets	202411005074	Mrs.V. Priyadharsini	09/02/2024	Published
11.	2024	Development of eco-friendly concrete with waste marble sludge	202341087902	Dr.R.Premudha	12/01/2024	Published
12.	2023	Smart sensing Technology for real time load analysis in large structures	202341082079	Mr.Sheik Mohamed Anas	22/12/2023	Published
13.	2023	Smart device for teaching mathematics for the blind students	6331008	Mrs. Lathanayagam Eswaran	13/12/2023	Grant
14.	2023	Analysis of the Role of Communication Skill in Career Growth	202331048264	Mrs.Soundarya P	13/10/2023	Published
15.	2023	Smart glucose monitoring device	6311021	Mrs.Nirmala Chelladurai, Mrs.Lathanayagam Eswaran, Mrs.Mohanasudha Kanagavel, Mrs.Sangeetha Rangasamy, Dr. Abinprakash Ramalingam, Mrs.Sumathi Ramasamy, Mrs.Mohanambal Balu, Lavitha Sathasivam, Mrs.Revathi Nataraj	26/9/2023	Grant

16.	2023	Optimizing Battery Health and charging Speed of Electric Vehicles through Deep learning Techniques	202341027841	Dr. A.Senthilkumar	05/05/2023	Published
17.	2023	Evaluation of Energy Heuristics for Wireless Networks	202341029347	Mr.S.Balaji	05/05/2023	Published
18.	2023	Artificial Intelligence and IoT Based Automatic Fruit Quality Detection Using Hyperspectral Camera, Image Processing and Deep Learning Algorithm	202341025382	Mr.S.Balaji	05/05/2023	Published
19.	2023	The Internet Of Things (Iot) Could Be Helped By Using Photovoltaic Cells To Power Wireless Tags That Are Built Into Flexible Perovskites	202321027525	Mrs.V Priyadharsini	12/05/2023	Published
20.	2023	A Composition for a Water-Permeable Block to Increase Water Permeability and Durability by Using Ferronickel Slag as an Aggregate	202341027765	K. Porulselvi	26/05/2023	Published
21.	2023	Early Stress Detection and Monitoring System Using The Machine Learning Approaches Integrated With Internet of Things	202341007257	Dr.L.Jubair Ahmed	24/02/2023	Published
22.	2022	Improving the thermal uniformity of walls made of cellular concrete products through the use of polyurethane adhesive in masonry	202241073292	Mr. P. A. Edwin Fernando	30/12/2022	Published
23.	2022	Security Robot System Based On Iot	202241063462	Ms.K.Veena	18/11/2022	Published
24.	2022	Revolutionaries The Transport System Using Artificial Intelligence	202221054872	Mr.S.Balaji	07/10/2022	Published

25.	2022	Design And Fabrication of Automatic Solar Powered Grass Cutting Machine	202241037246	Dr.S. Nagaraja Dr.N.Mathan kumar	08/07/2022	Published
26.	2022	Design And Fabrication of Solar Powered Oil Skimmer Machines	202241034753	Dr.S.Nagaraja Dr.N.Mathan kumar	24/06/2022	Published
27.	2022	Design And Fabrication of Automatic Pneumatic Emergency Exit for Automobile	202241034754	Dr.N.Mathan kumar Dr.S.Nagaraja	24/06/2022	Published
28.	2022	Remote Operated Solid Waste Cleaning Machine	202241034757	Dr.N.Mathan kumar Dr.S.Nagaraja	24/06/2022	Published
29.	2022	IoT based child rescue system from an open bore well unit	202241024020	Dr.S.Sendhil Kumar , Mr.Rajasekar.C , Mr.Vinoth S, Mr. N. Suresh	13/5/2022	Published
30.	2022	Sun Tracking Solar Panel	202241025172	Dr.A.Umamaheshwari, Mrs. A. Ambika, Mrs. R. Bavithra, Mrs. D. PriyaManohari, Mrs. S. Shanmugapriya Ms. V. Indhu	27/05/2022	Published
31.	2022	A Virtual Reality Based Room for Improving Health of Self -Quarantine Patient	202241008710	Dr. K. Sivasankari, Mrs. K. Nimisha, Ms. S. ShanmugaPriya, Mrs. R. Kiruthikaa, Mrs. A. Ambika , Ms. V. Indhu Dr.S.Jothi Lakshmi, Mrs.M.Nisha, Ms.P.Sowkarthiga,	04/03/2022	Published

				Mrs.K.Veena,		
32.	2021	Coconut Inflorescence Fiber Fortified Composite Material for Automobile Interior and Manufacturing Method thereof	202141061367	Soundarrajan Karthik <b>Dr.Senthil Kumar.S</b>	14/01/2022	Published
33.	2021	Combination of Three Energy Conversion System for a Vehicle	202141009534	Dr. N. Mathan kumar	12/03/2021	Published
34.	2020	Computer based system and method for customer desired outcomes	202041001192	Dr.N.Rajkumar	17/01/2020	Published
35.	2020	Hybrid of Natural Fiber Reinforced Composites	202041001193	Dr.S.Nagaraja,	17/01/2020	Published
36.	2019	”Real time intuitive trash management system”	201941019790	Dr.N.Suguna Dr.J.Jaya, T.Boobalan	14/06/2019	Published
37.	2019	“Wireless smart billing basket for super markets”	201941019787	Dr.N.Suguna Dr.J.Jaya, T.Boobalan	14/06/2019	Published
38.	2018	Compatible Robotic ARM for CNC Machines using Parallelogram Theory	201941005975	Dr.N.Suguna Dr.J.Jaya	22/02/2019	Published
39.	2018	Modelling of Compatile Coir Fibre Dryer using Heat Advection and Technique for SSI Employees	201941005976	Dr.N.Suguna Dr.J.Jaya	22/02/2019	Published
40.	2019	Smart Hygiene Monitoring for Public Toilets in Rural and Urban using IoT	201941005977	Dr.J.Jaya, Dr.N.Suguna T.Boobalan	22/02/2019	Published
41.	2019	Infant Health care Monitoring System for Rural medicine centre using IoT	201941005978	Dr.J.Jaya,	22/02/2019	Published

				Dr.N.Suguna T.Boobalan		
42.	2019	Metal Crack Identification Using Computer Aided Detection System Employing Image Processing Technique Using Inconel X750	201941005979	Dr.J.Jaya	22/02/2019	Published
43.	2019	Disease Identification System Through Diagnosis	201941005618	Dr.J.Jaya	22/02/2019	Published
44.	2019	Advanced Sulphur Control System	201941001294	Dr.N.Suguna Dr.J.Jaya	25/01/2019	Published
45.	2019	System for optimizing eight dimensional (8D) audio signals in a pair of three dimensional (3D) spectacles	201941002364	Dr.J.Jaya	25/01/2019	Published
46.	2019	Acoustic Fencing	201941001292	Dr.N.Suguna Dr.J.Jaya	25/01/2019	Published
47.	2018	A Smart Mosquito Control Fish Tank	201841037304	S. Arivazhagan <b>N.Dhamodharan</b>	01/11/2023	Grant
48.	2017	Spectrum Detection Methodology for Cognitive Radio System through Machine Learning	201741017851	H.Anandakumar	05/04/2024	Grant
49.	2017	Method of Exploration and Discrimination of Mineral Abundance in Beach Sand	201741015394	Vincent Jayaraj Joevivek	12/05/2017	Published
50.	2016	Acoustic Fencing	201941001292	Dr.N.Suguna Dr.J.Jaya	10/06/2016	Published
51.	2016	One Touch Oil Drain System	201641016691	Dr.V.Boopathi Sabareesh Mr.M. Selvaraju	10/06/2016	Published