

## LIST OF PATENT PUBLICATIONS AND GRANTED

S. No	Year	Title of the Patent	Application / Design / Patent Number	Name of the Applicant	Date of Published / Granted	Status
1.	2016	Acoustic Fencing	201941001292	Dr.N.Suguna Dr.J.Jaya	10/06/2016	Published
2.	2016	One Touch Oil Drain System	201641016691	Dr.V.Boopathi Sabareesh Mr.M. Selvaraju	10/06/2016	Published
3.	2017	Method of Exploration and Discrimination of Mineral Abundance in Beach Sand	201741015394	Vincent Jayaraj Joevivek	12/05/2017	Published
4.	2017	Spectrum Detection Methodology for Cognitive Radio System through Machine Learning	201741017851 (531908)	H.Anandakumar	05/04/2024	Granted
5.	2018	A Smart Mosquito Control Fish Tank	201841037304 (464947)	S. Arivazhagan <b>N.Dhamodharan</b>	01/11/2023	Granted
6.	2019	Acoustic Fencing	201941001292	Dr.N.Suguna Dr.J.Jaya	25/01/2019	Published
7.	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
8.	2019	Advanced Sulphur Control System	201941001294	Dr.N.Suguna Dr.J.Jaya	25/01/2019	Published
9.	2019	Disease Identification System Through Diagnosis	201941005618	Dr.J.Jaya	22/02/2019	Published
10.	2019	Metal Crack Identification Using Computer Aided Detection System Employing Image Processing Technique Using Inconel X750	201941005979	Dr.J.Jaya	22/02/2019	Published
11.	2019	Infant Health care Monitoring System for Rural medicine centre using IoT	201941005978	Dr.J.Jaya, Dr.N.Suguna T.Boobalan	22/02/2019	Published
12.	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
13.	2018	Modelling of Compatible Coir Fibre Dryer using Heat Advection and Technique for SSI Employees	201941005976	Dr.N.Suguna Dr.J.Jaya	22/02/2019	Published
14.	2018	Compatible Robotic ARM for CNC Machines using Parallelogram Theory	201941005975	Dr.N.Suguna Dr.J.Jaya	22/02/2019	Published
15.	2019	"Wireless smart billing basket for super markets"	201941019787	Dr.N.Suguna Dr.J.Jaya, T.Boobalan	14/06/2019	Published
16.	2019	"Real time intuitive trash management system"	201941019790	Dr.N.Suguna Dr.J.Jaya, T.Boobalan	14/06/2019	Published
17.	2020	Hybrid of Natural Fiber Reinforced Composites	202041001193	Dr.S.Nagaraja,	17/01/2020	Published

18.	2020	Computer based system and method for customer desired outcomes	202041001192	Dr.N.Rajkumar	17/01/2020	Published
19.	2021	Combination of Three Energy Conversion System for a Vehicle	202141009534	Dr. N. Mathan kumar	12/03/2021	Published
20.	2021	Coconut Inflorescence Fiber Fortified Composite Material for Automobile Interior and Manufacturing Method there of	202141061367	Soundarrajan Karthik <b>Dr.Senthil Kumar.S</b>	14/01/2022	Published
21.	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, Mrs.K.Veena,	04/03/2022	Published
22.	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
23.	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
24.	2022	Remote Operated Solid Waste Cleaning Machine	202241034757	Dr.N.Mathan kumar Dr.S.Nagaraja	24/06/2022	Published
25.	2022	Design And Fabrication of Automatic Pneumatic Emergency Exit for Automobile	202241034754	Dr.N.Mathan kumar Dr.S.Nagaraja	24/06/2022	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 Solar Powered Grass Cutting Machine	202241037246	Dr.S. Nagaraja Dr.N.Mathan kumar	08/07/2022	Published
28.	2022	Revolutionaries The Transport System Using Artificial Intelligence	202221054872	Mr.S.Balaji	07/10/2022	Published
29.	2022	Security Robot System Based On Iot	202241063462	Ms.K.Veena	18/11/2022	Published
30.	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
31.	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
32.	2023	A Composition for a Water-Permeable Block to Increase Water Permeability and Durability	202341027765	K. Porulselvi	26/05/2023	Published

		by Using Ferronickel Slag as an Aggregate				
33.	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
34.	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
35.	2023	Evaluation of Energy Heuristics for Wireless Networks	202341029347	Mr.S.Balaji	05/05/2023	Published
36.	2023	Optimizing Battery Health and charging Speed of Electric Vehicles through Deep learning Techniques	202341027841	Dr. A.Senthilkumar	05/05/2023	Published
37.	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	Granted
38.	2023	Analysis of the Role of Communication Skill in Career Growth	202331048264	Mrs.Soundarya P	13/10/2023	Published
39.	2023	Smart device for teaching mathematics for the blind students	6331008	Mrs. Lathanayagam Eswaran	13/12/2023	Granted
40.	2023	Smart sensing Technology for real time load analysis in large structures	202341082079	Mr.Sheik Mohamed Anas	22/12/2023	Published
41.	2024	Development of eco-friendly concrete with waste marble sludge	202341087902	Dr.R.Premasudha	12/01/2024	Published
42.	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
43.	2024	Sensor based Agricultural Robot for Pesticide Spraying	6352307	Mr. Balaji Sampathkumar	20/03/2024	Granted
44.	2024	IOT-Enhanced secure data encryption and transmission for next-generation computing environments	202441002776	Mr. Balaji Sampathkumar	29/03/2024	Published
45.	2024	Implementing IOT-based smart control and	202441019896	Mr. Balaji Sampathkumar	29/03/2024	Published

		simulation for enhanced agricultural systems				
46.	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	Granted
47.	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	Granted
48.	2024	IoT-Enabled road surface monitoring system with Machine Learning-based pothole Detection	202441059170	Dr.D.Sowjanya Dr.A.Jackulin Mahariba Dr.Malini M Mrs.Santhini T, Dr.Peluru Janardhana Rao Mrs.Kondamudi Naga Neeraja Mr.Kundan.B Dr.P.Visu Ms.A.Prema Ms.M.Priya	09/08/2024	Published
49.	2024	Multi crop cutter and Herbicide with auto feeder	429089-001	Dr.S.Thillikkani	02/09/2024	Granted
50.	2024	Food Tray	430373-001	Dr.A.Karthik	13/09/2024	Granted
51.	2024	Coconut Scraper with Customizable Speed	202441086898	Dr.S.Thillikkani	15/11/2024	Published
52.	2024	Multi-Crop Cutter and Herbicide with Auto Feeder	202441089351	Dr.S.Thillikkani	29/11/2024	Published
53.	2024	Solar water distillation systems	202441078055	Akshaya College of Engineering and Technology Mrs. R. Sangeetha Mrs.K. Mohanasudha Mrs. R. Sumathi Mrs. E.Lathanayagam Dr. R. Abinprakash Mrs. B.Mohanambal Mrs.B.Indhumathi Mrs.A.P.Vijayalakshmi Dr.S.Prabu Ms.T.Abirami Dr.N.Selvanayagi	25/10/2024	Published
54.	2024	Smart home automation and metering system using IoT	202441078060	Akshaya College of Engineering and Technology Dr.P.Ravikumar Dr.P.Ravindran Dr.A.Karthik Mr.C.Rajasekar Mr.S.Vinoth Mr.V.MohanKumar Mr.R.Gokulraju	25/10/2024	Published

				Mrs.G.Balambigai Mr.P.Selvabharathi		
55.	2024	Solar energy based food cooking apparatus	202441078058	Akshaya College of Engineering and Technology Mr.V.Sureshkumar Dr.D.Deepa Mr.O.Sathish Mr.Selvaraju Mr.B.Sudhakar Dr.S.Thillikkani Mr.M.Arther Clive Mr.Sathish P	25/10/2024	Published
56.	2024	Automatic emotion detection, analysis and recognition	202441078057	Akshaya College of Engineering and Technology Dr.T.Ravichandran Dr.R.Mekala Dr.M.Malini Dr.V.Nivedhitha Mrs.P.Sowkarthiga Mr.S.Balaji Mr.S.Poorna Prakash Mrs.S.Rajeshwari	25/10/2024	Published
57.	2024	Designing safe and explainable neural models in NLP	202441078059	Akshaya College of Engineering and Technology Mrs. M. Nisha Dr. P. Udayakumar Dr. Jenifer Mahilraj Mr. V. Balamurugan Mrs. V. Priyadharsini Mrs. K. Veena Mrs. K. Malarvizhi Mrs. V. Krithika Mrs. M. S. Kavitha Mrs. K. Gomathi Mr. R. Soundararajan Mrs. S. Jeevitha	25/10/2024	Published
58.	2024	Diagnosis of selected human eye diseases using ANN	202441078056	Akshaya College of Engineering and Technology Mrs. K.Nimisha Dr.K.Sivasankari Mrs.A.Ambika Mrs.A.Ramjan Begam Dr.T.Surya Mrs.S.Megaladevi Mrs.R.Suriya Mr.K.Sabareeshwaran Mr. S.Ravikumar	25/10/2024	Published
59.	2025	Context-aware machine learning framework for personalized recommendations in e-commerce	202541014016	Dr.M.Jenifer	28/02/2025	Published
60.	2025	Enhanced Security with Automatic Logout Integration using Artificial Intelligence	202541020998	Mrs. M.Balambigai	21/03/2025	Published

61.	2025	Sensor Based Malware Detection Security and Alarming Device	451483-001	Dr. P. Udayakumar	14/03/2025	Granted
62.	2025	Quantum-Integrated AI Framework for Autonomous Decision Making in Next-Generation Smart Cities	202541032260	Mrs. K.Malarvizhi Mrs. V. Krithika Mrs. M.S.Kavitha Mrs. S.Jeevitha	02/05/2025	Published
63.	2025	English Pronunciation practicing by using AI-powered voice recognition	202541040599	Mrs.P.Soundarya	16/05/2025	Published
64.	2025	Estimation of energy and water consumption of washing machine using Artificial Intelligence	202541037900	Mrs. S.Rajeshwari	16/05/2025	Published
65.	2025	Device for Electromagnetic Field Monitoring	463304-001	Mrs. K.Mohana Sudha	24/06/2025	Granted
66.	2025	Design and Implementation of an ESP 32-Based Wi-Fi Controlled Industrialpick and Place Roboticarm	202541063031	Akshaya College of Engineering and Technology Mr.R.Gokul Raju Mr.E. Esakkiya Mr.S.Hassan Sajjad Mr.M.Sathish	11/07/2025	Published
67.	2025	Efficient Solar Dryer with Thermal Energy Storage and Sensor Based Control for Agricultural Drying	202541063032	Akshaya College of Engineering and Technology Mr.C.Rajasekar Mr.C.Hari Vathsan Mr.Muthu Pandi Mr.S Praveenkumar Mr.K Sanjeev	11/07/2025	Published
68.	2025	IOT-Enabled Spy Car With Real-Time Video Streaming And Emergency Alert System	202541060874	Akshaya College of Engineering and Technology Dr. P. Ravikumar Mr. R. K. Revanthkumar Mr. S. Sanjaykumar Mr. P. Raghul	11/07/2025	Published
69.	2025	Biomass Briquette Machine	202541060876	Akshaya College of Engineering and Technology Mr. O. Sathish Mr. S. Hari Prasath Mr. U. Harish Mr. S. Madhan Kumar Mr. I. Natarajamani	11/07/2025	Published
70.	2025	Automatic Railway Track Crack Detecting Vehicle	.202541060893	Akshaya College of Engineering and Technology Mr. V. SureshKumar Mr. C. Gowtham Mr. R. Sudhakar Mr. A. Logeshkumar Mr. M. Suresh	11/07/2025	Published
71.	2025	Alkaline Treatment of Natural Fibers for Enhanced Fiber – Matrix Interfacing In Eco -Frinedly	202541060873	Akshaya College of Engineering and Technology Dr. D. Deepa Mr. S. Barathkumar Mr. k. Kathiravan Mr. R. Vijayrahul Mr. J. Vikram	11/07/2025	Published

72.	2025	Experimental Investigation on Bubble Deck Concrete Slab	202541060870	Akshaya College of Engineering and Technology Mr. M. Sheik Mohamed Anas Mr. Jestin John Mr. C. K. Srikathir Mr. T. Veerappan	11/07/2025	Published
73.	2025	Effect of Infill Density on Mechanical Properties of PLA 3D Printed Composite Materials	202541062825	Akshaya College of Engineering and Technology Dr.A.Karthik Mr.E.Aravindkumar Mr.M.Sathish Kumar Mr.B.Madesh	11/07/2025	Published
74.	2025	Design And Evaluation of A Solar-Assisted Forced Convection Cabinet Dryer for Banana	202541062824	Akshaya College of Engineering and Technology Mr.S.Vinoth Mr.R.Kishore Mr.P.Rohith Mr.B.Kamalesh	11/07/2025	Published
75.	2025	Smart Fish: Ai-Driven Fish Resource Identification System	202541060872	Akshaya College of Engineering and Technology Mrs. K. Gomathi Mr. B. Manikanta Reddy Mr. P. Sai Nithin Mr. S. Guna Sri Teja	11/07/2025	Published
76.	2025	Sewage Water Monitoring and Filtering using Raspberry PI	202541065150	Akshaya College of Engineering and Technology Mr. K. Sabareeshwaran Ms. Allam Nandini Ms. Billa Sowmini Mr. Gudipati Vinod Mr. Madivili Vinayaka	11/07/2025	Published
77.	2025	Integrated E-Charging Station	202541065152	Akshaya College of Engineering and Technology Mr. K. Sabareeshwaran Ms. S. Sindhu Ms. M. Sneha Mr. G. Sriram Ms. B. Divya	11/07/2025	Published
78.	2025	Ai Driven Ultrasound Technology for Preventing Agricultural Field from Animals	202541065147	Akshaya College of Engineering and Technology Mrs. K. Nimisha Mr. D. Arvind Mr. R. Hariharan Mr. R. Raghul Krishnan Mr. R. Sivanesan	11/07/2025	Published
79.	2025	Anti-Fuel Theft Device	202541065145	Akshaya College of Engineering and Technology Mr. S. Ravikumar Mr. S. Pradhish Mr. R. Baskaran Mr. S. Harish	11/07/2025	Published

80.	2025	Smart Ration Inventory Management with Fifo Enforcement	202541065148	Akshaya College of Engineering and Technology Mrs. K. Nimisha Mr. Aka Teja Mr. S. Kannadas Mr. M. Nachiappan Mr. S. Santhoshkumar	11/07/2025	Published
81.	2025	Intelligent Sustainable Kicks for The Visually Impaired	202541065156	Akshaya College of Engineering and Technology Dr. K. Sivasankari Ms. N. Azhagu Divya Lakshmi Mr. A. D. Vishnudev Mr. S. Yuvaraj Ms. S. Amega	11/07/2025	Published
82.	2025	EEG Controlled Smart Home System for Disabled People	202541065146	Akshaya College of Engineering and Technology Dr. K. Sivasankari Mr. R. Azhagumuthu Mr. G. Densingh Devairakkam Ms. S. Mariammal Ms. M. Pragathi	11/07/2025	Published
83.	2025	IOT Based War Spying Robot with Night Vision Camera	202541067617	Akshaya College of Engineering and Technology Ms. S. Megaladevi Ms. E. Atchayaprabha Ms. M. Indra Mr. D. Balamurugan	25/07/2025	Published
84.	2025	IOT-Based Smart Battery Management System For Real-Time Monitoring and Control	202541067619	Akshaya College of Engineering and Technology Mrs. A. Ramjan Begam Mr. S. Thilak Mr. M. Vinodhagan Mr. R. Dhanunjaya Mr. S. Saravanakumar	25/07/2025	Published
85.	2025	Intelligent Emergency Vehicle System Priority System	202541067621	Akshaya College of Engineering and Technology Dr. T. Surya Mr. M. Muthaiya Muralidharan Mr. P. Naveen Kumar Mr. P. Prem Kumar Mr. Siva P	25/07/2025	Published
86.	2025	Vehicle Black Box for Accident Detection and Emergency Response	202541067607	Akshaya College of Engineering and Technology Ms. S. Vishnushree Mr. V. Bhavithiran Ms. S. Kiruthika Ms. M. Manya Mr. S. Praveenkumar	25/07/2025	Published



87.	2025	Designing IOT Based Face Recognition Robot	202541067609	Akshaya College of Engineering and Technology Ms. S. Vishnushree Ms. R. Jayashree Ms. V. Gobikaa Ms. V. Sivaranjini Mr. V. Sanjaykumar	25/07/2025	Published
88.	2025	LPG Transport Tracking and Leakage Detection with accident Prevention alert System	202541067605	Akshaya College of Engineering and Technology Mrs. A. Ambika Mr. Sangadala Bhanu Prakash Mr. Salendra Harshavardhan Mr. A. Mathavan Mr. D. Mukesh	25/07/2025	Published
89.	2025	IOT Enable Time Based Load Management System	202541067626	Akshaya College of Engineering and Technology Mrs. A. Ambika Mr. B. Ajay Prasanth Ms. K. Hemalatha Ms. A. Nishalini Mr. M. Ramudinesh	25/07/2025	Published