



KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)
NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
PATENT, INDUSTRIAL DESIGNS & COPY RIGHT DETAILS

ACADEMIC YEAR 2025-26

Sl. No	Title of the Invention	Date of Filing	Date of publication	Name of Inventor	Application Number
Academic Year: 2025-2026					
1.	An Intelligent Wearable Automatic Inflatable Safety Belt System for Human Floatation and Water Rescue	31.12.2025	27.02.2026	Dr.T.Rajamanikandan Kongunadu College of Engineering and Technology Dr.K.Periyasamy Dr.G.Kiruthika K.Brintha Dr.N.Sridhar M.P.Iniya Dr.N.Muthu Selvakumar R.Premkumar Dr.V.Krishnakumar S.Saranya Dr.G.Saravanan	202541134105
2.	A Multi-Face Integrated Electrical Socket System with Load Segregation, Localized Protection, USB Power Delivery, and Illumination	31.12.2025	27.02.2026	Kongunadu College of Engineering and Technology Dr.T.Rajamanikandan T.Muthukumar Dr.R.Saravanan G.Iyappan M.Thangadurai Dr.P.Arul Dr.A.Sampath Dr.T.Sengolrajan R.Deebika S.Revathi	202541134106
3.	High Efficiency Concentric Mirror Solar Dryer with Helical Circulation	31.12.2025	27.02.2026	Kongunadu College of Engineering and Technology Dr.T.Rajamanikandan Dr.D.Jagadeesh Dr.V.Gopinath R.Ragul Kannan M.Sakthivel Dr.N.Muthu Selvakumar S.Subha Dr.P.Arul Dr.P.Muthukumar N.Kawin	202541134107

4.	An Artificial Intelligence-Controlled Image-based Apparatus and Method for Automatic Flower Garland Manufacturing	31.12.2025	27.02.2026	Kongunadu College of Engineering and Technology Dr.T.Rajamanikandan Dr.T.Ashok S.Southamirajan Dr.S.Dhanabal Dr.S.Manikandan S.Lalitha Dr.P.Arul Dr.N.Sivashankar R.Periyasamy R.Gopalakrishnan C.Gowrishankar	202541134108
5.	A Foldable Buoyancy-Assisted Footwear System with Deployable Petal Structures for Controlled Mobility over Water Surfaces	31.12.2025	27.02.2026	Kongunadu College of Engineering and Technology Dr.T.Rajamanikandan N.M.Mohan Karthik S.Priyadharshini Dr.S.Kavipriya Dr.J.Yogapriya Dr.C.Saravanabhavan K.Yazhini K.Karthik K.Mohanraj	202541134109
6.	Machine Learning Powered IoT platform for Precision Fertilizer Management and Sustainable Farming	30.10.2025	28.11.2025	Dr.K.Tamilarasi Sant Kumar Maurya Dr.Mandeep Kaur Dr.Arvind Kumar Deepti Singh Dr.Jugnesh Kumar Vineeta P.Sridhar Dr.Anubhav Kumar K.Prabu	202541104675
7.	Drone based agricultural Seeding System with Photovoltaic Wing Integration for Extended Endurance	28.11.2025	30.01.2026	N.Jayakumar N.Vengadachalam V.Subha Seethalakshmi A Ganga Dinesh Kumar P.Sridhar K.Jayasudha M.Prasath V.Prabhu R.Arun Kumar K.Reka	202541118492

8.	Self -Activating Light Capsule using Passive Airflow-Responsive Unbalanced Ball Mechanism for Controlled Chemical Reaction without Electricity	18.06.2025	04.07.2025	Dr.T.Rajamanikandan, Dr.P.Arul, Dr.S.A.Sahaaya Arul Mary Dr.T.Sengolrajan T.Ashok K.Karthick N.Sarmiladevi K.M.Swarna Devi Dr.V.Bharathi T.Beni Steena L.Nivetha	202541058343
9.	AI-Controlled Reflective Bird Dettterent Device with Solar-Powered Illumination and Rotating Mirror Mechanism	18.06.2025	04.07.2025	Dr.T.Rajamanikandan Dr.R.Asokan Dr.J.Preetha Dr.S.Dhanabal Dr.P.Preethi Dr.K.Amudha T.Meenal Dr.N.Sridhar A.Mohanadevi S. Manikandan	202541058344
10.	Non-Destructive System and Method for Extraction Core and Sheath Water from Living Banana Plants	18.06.2025	04.07.2025	Dr.T.Rajamanikandan and Dr.R.Shankar Dr.T.Yuvaraja Dr.M.Suganthi M.Thangadurai Dr. P. Kalaichelvi C. Radhakrishnan R. Premkumar Dr.G.Kiruthika N.Jayapal S.Parthiban	202541058345
11.	AI-Integrated Solar-Powered Desalination System using Eco-Friendly Materials for Fortable Drinking Water Generation	18.06.2025	04.07.2025	Dr.T.Rajamanikandan Dr.S.Kavipriya Dr. R. Saravanan R.V.Viswanathan Dr.M.Senthilkumar Ms.G.Veera Karunya S.Revathi M.Santhanaraj S. Revathi J.Sathiskumar	202541058346

12.	Smart Multi-Functional LED Lamp with Integrated Motion Detection Air & NBSP, Quality Monitoring Alarm System Cloud Connectivity and Mobile App Control	18.06.2025	04.07.2025	Dr.T.Rajamanikandan, Dr.P.Arul, Dr. S. Dhanabal V. Krishnakumar Dr.P.Elayaraja Dr. R.Sathya Dr.T.Sengolrajan, R.Deebika, P.Tamilnesan. J.Karthikeyan and C.Gowrishankar	202541058352
13.	AI Enabled Spider Type Robotic Device for Wall Surface Cleaning and Automated Plaster Repair with Mobile App Control and Rechargeable Battery Operation	18.06.2025	04.07.2025	Dr.T.Rajamanikandan, Dr.P.Arul, Dr.R.Shankar, Dr. K.Muthumanickam R.Gopalakrishnan Dr. R. Saravanan S. Suganya Dr.M.Paranthaman S.Kumaravel R.Aruna L. Nivetha A.Mohan Kumar	202541058353
14.	Method for Producing Natural Fiber Based Bio Composites from Banana Leaf Waste for Smart Toy and Decorative Applications	18.06.2025	04.07.2025	Dr.T.Rajamanikandan, Dr.J.Yogapriya Dr.C.Saravanabhavan Dr.M.Dharmalingam K.Mohanraj Dr.B.Umarani Dr A. Sampath R.Palanikumar Dr. P. Prabhu M.Sundharan	202541058354

Industrial Designs:

Sl.No	Title of the Design	Date of Filing	Name of Inventor	Application number
1.	Pencil Box with Multi-Opening Top Lid	05.05.2026	Dr.T.Rajamanikandan, Dr.T.Sengolrajan, Dr.P.Arul, Dr.M.Senthilkumar, K.Kumar and S.Kumaravel	462583-003
2.	Decorative Bird-Shaped Paper Weight	31.12.2025	Dr.T.Rajamanikandan Dr.R.Asokan S.Kanimozhi K.Madhumitha	485740-001

3.	A Decorative Vehicle-Shaped Stationery Holder	31.12.2025	Dr.T.Rajamanikandan Dr.J.Yogapriya Dr.M.Suganthi K.Anguraju V.Dhanalakshmi C.Radhakrishnan	485740-002
4.	Decorative Sculptural Stationery Holder	31.12.2025	Dr.T.Rajamanikandan K.Karthick L.Nivetha K.M.Swarna Devi S.Suganya K.G.Suhirdham	485734-001
5.	Decorative Miniature House Ornament	31.12.2025	Dr.T.Rajamanikandan K.Lalitha P.Valarmathi P.Thenmozhi S.Revathi M.Lavanya	485735-001
6.	A Novel Ornamental Design of a Solar Landran	31.12.2025	Dr.T.Rajamanikandan K.Gokulnath S.Southamirajan Dr.N.Muthu Selvakumar Dr.T.Sengolrajan C.Gowrishankar	485731-001
7.	Decorative and Functional Plug-In Night Lamp	31.12.2025	Dr.T.Rajamanikandan Dr.R.Saravanan Mr.G.Iyappan Dr.N.Muthu Selvakumar S.Chandrakumar Dr.N.Sivashankar	485731-002
8.	Fancy Decorative Bowl	31.12.2025	Dr.T.Rajamanikandan T.Kishore Dr.S.Kavipriya Dr.N.Muthu Selvakumar Dr.T.Sengolrajan K.Karthik	485730-001
9.	Portable Hand-Held Torch	31.12.2025	Dr.T.Rajamanikandan I.Mohammed Imthiyas M.Sakthivel S.Gowtham Dr.N.Muthu Selvakumar Dr.P.Arul	485731-003
10.	A Decorative Multi-Compartment Carry Basket for Fruits and Vegetables	31.12.2025	Dr.T.Rajamanikandan Dr.N.Sridhar D.Dhavashankaran M.P.Iniya Dr.N.Muthu Selvakumar Dr.P.Elamurugan	485730-002
11.	Medication Injector for Tree	18.09.2025	T.Rajamanikandan Dr.P.Arul Dr.T.Sengolrajan, Dr.C.Saravanabhavan, Dr.P.Preethi and C.Gowrishankar	462584-001