



**KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY  
(AUTONOMOUS)  
NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY**

**DEPARTMENT OF CIVIL ENGINEERING**

**PATENT FILED**

**Academic Year (2025-2026)**

| S.No | Name of the Applicant                                                                                                                                                                               | Title of the Invention                                                | Application No / Design No | Date of Application / Date of Issue | Patent Type | Status       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------|-------------------------------------|-------------|--------------|
| 1    | Dr.R.Sakthivel,<br>Dr.B.Venkatesan,<br>Dr.P.Dhevasenaa,<br>Mr.S.Anand Kumar,<br>Mrs.M.Sathya,<br>Dr.S.N.Neeraj,<br>Mrs.J.Jamila,<br>Mrs.T.Keerthika,<br><b>Mr.K.Pradeep &amp;</b><br>Mrs.U.Nandhini | Solar Powered Thermal Vision Surveillance Robot                       | 458269-001                 | 12.08.2025                          | Design      | Design Grant |
| 2    | Dr.T.Rajamanikandan,<br>Dr.P.Arul,<br><b>Dr.S.Kavipriya,</b><br>Mr.K.Anguraju,<br>Mrs.P.Thenmozhi &<br>Mrs.V.Dhanalakshmi                                                                           | Soap and Bar Odor Holding Stand                                       | 418614-001                 | 06.11.2025                          | Design      | Design Grant |
| 3    | Dr.T.Rajamanikandan,<br><b>Dr.N.Sridhar,</b><br><b>Mr.D.Dhavashankaran,</b><br><b>Mrs.M.P.Iniya,</b><br>Dr.N.Muthu Selvakumar<br>& Dr.P.Elamurugan                                                  | A Decorative Multi-Compartment Carry Basket for Fruits and Vegetables | 485730-002                 | 27.05.2026                          | Design      | Design Grant |

**Academic Year (2024-2025)**

| S. No | Name of the Applicant                | Title of the Invention | Application No / Design No | Date of Application / Date of Issue | Patent Type | Status |
|-------|--------------------------------------|------------------------|----------------------------|-------------------------------------|-------------|--------|
| 1     | Dr. T.Rajamanikandan,<br>Dr. P.Arul, | AI Enabled Spider type | 20254105835<br>3           | 18.06.2025                          | Product     | Filing |

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|   | Dr. R,Shankar,<br>Dr.K.Muthumanickam,<br>Mr. R.Gopalakrishnan,<br><b>Dr. R. Saravanan</b> ,<br>Mrs. S. Suganya,<br>Dr.M.Paranthaman ,<br>Mr.S.Kumaravel,<br>Mrs.R.Aruna,<br>Mrs.L. Nivetha &<br>Mr.A.Mohan Kumar | Robotic Device<br>for Wall<br>Surface<br>Cleaning and<br>Automated<br>Plaster Repair                                                                |                  |            |         |        |
| 2 | Dr. T.Rajamanikandan<br>Dr.R.Asokan<br>Dr. J. Preetha<br>Dr. S. Dhanabal<br>Dr. P. Preethi<br>Dr.K.Amudha,<br>Mrs.T.Meenal<br><b>Dr.N.Sridhar</b><br>Mrs.A.Mohanadevi<br>Mr.S. Manikandan                        | AI-Controlled<br>Reflective Bird<br>Deterrent<br>Device with<br>Solar-Powered<br>Illumination<br>and Roating<br>Mirror                              | 20254105834<br>4 | 18.06.2025 | Product | Filing |
| 3 | Dr. T.Rajamanikandan<br><b>Dr.S.Kavipriya</b><br><b>Dr. R. Saravanan</b><br>R.V.Viswanathan<br>Dr.M.Senthilkumar<br>Ms.G.Veera Karunya<br>Mrs. S.Revathi<br>M.Santhanaraj<br>Mrs. S. Revathi<br>J.Sathiskumar    | AI-Integrated<br>Solar-Powered<br>Desalination<br>System using<br>Eco-Friendly<br>Materials for<br>Portable<br>Drinking Water                       | 20254105834<br>6 | 18.06.2025 | Product | Filing |
| 4 | Dr. T.Rajamanikandan<br>Dr. J. Yogapriya<br>Dr. C. Saravanabhavan<br>Dr.M.Dharmalingam<br>Mr.K.Mohanraj<br>Dr.B.Umarani<br>Dr A.Sampath<br>Mr.R.Palanikumar<br><b>Dr. P. Prabhu</b><br>Mr.M.Sundharan            | Method For<br>Producing<br>Natural Fiber<br>Based Bio<br>Composites<br>from Banana<br>Leaf Waste for<br>Smart Toy and<br>Decorative<br>Applications | 20254105835<br>4 | 18.06.2025 | Product | Filing |
| 5 | Dr.T.Rajamanikandan<br>Dr. J.Yogapriya<br><b>Dr. R.Saravanan</b><br>Dr.P.Arul<br><b>Dr.K.Kavipriya</b><br>K.Kumar                                                                                                | Magnetically<br>attached<br>Removable Top<br>for a Pencil                                                                                           | 462583-004       | 18.06.2025 | Design  | Filing |

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|---|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------|------------|--------|--------|
| 6 | Dr.T.Rajamanikandan<br><b>Dr.P.Prabhu</b><br><b>D.Dhavashankaran</b><br><b>Dr.N.Sridhar</b><br><b>M.Sakthivel</b><br><b>M.P.Iniya</b> | Multi-Liquid<br>Separator Water<br>Bottle/19-01                           | 462583-002 | 18.06.2025 | Design | Filing |
| 7 | Dr.T.Rajamanikandan<br>B.Sivaraman<br>V.Dhanalakshmi<br><b>A.Karthick</b><br>K. Anguraju<br>K.Karthik                                 | Oval-Shaped<br>Pen Stand with<br>Multi<br>Separations and<br>Wheels/19-01 | 462583-001 | 18.06.2025 | Design | Filing |

### Academic Year (2023-2024)

| S. No | Name of the Applicant                                                                                                                                                           | Title of the Invention                                                                                              | Application No / Design No | Date of Application / Date of Issue | Patent Type | Status |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------|-------------|--------|
| 1     | Dr.M.Sivaraja,<br><b>Dr.P.Prabhu</b> ,<br>Pallavi HJ,<br>Dr.M.Veerapathran,<br>Mr.J.Rajprasad,<br>Dr.A.Karthik &<br>Dr.P.Prasath                                                | Effect of Coarse<br>Aggregate,Marb<br>le,Granite<br>Cutting Waste,<br>Metakaolin and<br>Admixtures on<br>Mechanical | 20234105212<br>1           | 02.08.2023                          | Design      | Filing |
| 2     | Dr.A.Vijaya Kumar,<br>Dr.S.Preetham Sridar,<br>Dr.Alisha Priya &<br><b>Mr.S.Southamirajan</b>                                                                                   | Machine<br>Learning based<br>Stress Detection<br>Device                                                             | 392130-001                 | 30.11.2023                          | Design      | Filing |
| 3     | Mr.T.Rajamanikandan,<br>Mr.T.Ashok,<br><b>Dr.R.Saravanan</b> ,<br><b>Mr.M.Sakthivel</b> ,<br><b>Mr.S.Gowtham</b> ,<br><b>Mr.D.Dhavashankara</b><br><b>n &amp; Mr.A.Karthick</b> | Medicine Tablet<br>Holder<br>Keychain/ 09-<br>03                                                                    | 418610-001                 | 31.05.2024                          | Design      | Filing |
| 4     | Mr.T.Rajamanikandan,<br>Dr.P.Arul,<br><b>Dr.S.Kavipriya</b> ,<br>Mr.K.Anguraju,<br>Mrs.P.Thenmozhi &<br>Mrs.V.Dhanalakshmi                                                      | Soap and Odor<br>Barholing<br>Stand / 09-01                                                                         | 418614-001                 | 31.05.2024                          | Design      | Filing |
| 5     | Dr.M.Dharmalingam,<br>Dr.R.Shankar,<br>Dr.T.Sengolrajan,                                                                                                                        | Manual Seeding<br>Machine/ 15-03                                                                                    | 418611-001                 | 31.05.2024                          | Design      | Filing |

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|   | Mr.K.Mohanraj,<br><b>Mr.B.Sasivarman,</b><br><b>Mrs.M.P.Indhu,</b><br><b>Mrs.M.P.Iniya</b><br>&Mr.P.Tamilnesan                                                                                                                                                |                                                                                                                               |                  |            |        |        |
| 6 | Mr.T.Rajamanikandan<br>Dr.P.Arul<br>Dr.R.Shankar<br><b>Dr.S.Kavipriya</b><br><b>Dr.R.Saravanan</b><br><b>Dr.P.Prabhu</b><br><b>Dr.N.Sridhar</b><br>Mr.S.Satheeshkumar<br>Mrs.K.Yazhilini<br>Mr.R.Gopalakrishanan<br>Mrs.C.P.Niranjanan<br>Mrs.K.M.Swarna Devi | Eco -Friendly<br>Paint and<br>Electrical<br>Insulation<br>Liquid from<br>Lignin and<br>Tannin<br>Extracted from<br>Banana She | 20244104469<br>8 | 14.06.2024 | Design | Filing |

**Academic Year (2022-2023)**

| S.No | Name of the Applicant | Title of the Invention                                 | Application No / Design No | Date of Application / Date of Issue | Patent Type | Status |
|------|-----------------------|--------------------------------------------------------|----------------------------|-------------------------------------|-------------|--------|
| 1    | Dr.S.Kavipriya        | Safety Management System for Construction Site Workers | 202241030743A              | 17.06.2022                          | Design      | Filing |