



KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM

DEPARTMENT OF MECHANICAL ENGINEERING

PATENT GRANTED DETAILS

S. N.	Name of the Faculty	Patent / Working model / Prototype	Title	Filed/ Grant with application number/ Developed /presented	Date & month of filed / grant/ developed /presented
CAY (2025-2026)					
1.	Dr.S.Kumaravel	Patent-Design	Pencil Box with Multi-Opening Top Lid	Published/462583-003 Grant / 462583-003	Published on 18.06.2025 Granted on 05.05.2026
CAYm1 (2024-25)					
1.	Dr.D.Jagadeesh	Patent-Design	Smart Wheelchair cum Stretcher	Published/430283-001 Grant / 430283-001	Published on 12.09.2024 Granted on 30.10.2024
	Dr.N.Sivashankar				
	Dr.K.Periasamy				
	Dr.G.Saravanan				
	Dr.P.Muthukumar				
	Dr.N.Ravikumar				
	Mr.S.Chandrakumar				
	Mr.R.Arivazhagan				
Mr.P.Raja					
2.	Mr.N.Sivashankar	Patent-Design	Electrochemical Apparatus for Controlling Electrolyte Flow	Published/409149-001 Grant / 409149-001	Published on 29.02.2024 Granted on 19.11.2024
	Dr.D.Jagadeesh				
	Mr.S.Chandrakumar				
	Mr.P.Vignesh				
	Mr.S.V.Surya				
Mr.A.P.Yaswanthkumar					
CAYm2 (2023-24)					
1.	Mr.G.Saravanan	Patent	Electro-Hydraulic Compression Based Pseudo Stem Juicer	Published/2018410250 30A Grant / 441038	Published on 13.07.2018 Granted on 28.07.2023
	Mr.M.Ravikumar				
2.	Dr.M.Vivekanandan	Patent	Improved, Low Pressure Drop Wet Scrubber for Cleaning Polluted Flue Gas	Published/2021410536 32 Grant / 468858	Published on 22.11.2021 Granted on 14.11.2023
	Dr.D.Jagadeesh				
	Dr.G.Saravanan				
	Dr.K.Periasamy				
	Mr.N.Sivashankar				
CAYm4(2021-22)					
1.	Dr.K.Periasamy	Patent-Design	Glove for Handling Hot Pot	Grant / 357618-001	Granted on 22.03.2022

2.	Dr.K.Periasamy	Patent	Secure and Smart Helmet Integrated with SaS-H Application for Data Transmission	Grant / 2021106699	Granted on 10.11.2021
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S. N.	Name of the Faculty	Patent / Working model / Prototype	Title	Filed/ Grant with application number/ Developed /presented	Date & month of filed / grant/ developed /presented
CAY (2025-2026)					
1.	Mr.S.Kumaravel	Patent	AI enabled Spider type Robotic Development wall surface Cleaning and Automated Plaster repair with mobile app control and rechargeable battery operation	Published/2025410583 53A	Published on 18.06.2025
2.	Dr.N.Sivashankar	Patent	An artificial Intelligence Controlled image based apparatus and method for automatic flower garland manufacturing	Published/2025411341 08	Published on 27.02.2026
	Mr.R.Periyasamy				
3.	Dr.D.Jagadeesh,	Patent	High Efficiency Concentric Mirror Solar Dryer with Helical Circulation	Published/2025411341 07	Published on 27.02.2026
	Dr.P.Muthukumar,				
	Mr.N.Kawin				
4.	Dr.K.Periyasamy,	Patent	An Intelligent Wearable Automatic Inflatable safety Belt System for Human Floatation and Wear rescue	Published/2025411341 05	Published on 27.02.2026
	Dr.G.Saravanan				
CAYm1 (2024-25)					
1.	Dr.M.Vivekanandan	Patent	Enhancing Solar Air Heater Efficiency Through Innovative Flow Distribution Techniques utilizing guid	Published/2024410424 64A	Published on 04.07.2024
	Dr.D.Jagadeesh,				
	Dr.G.Saravanan				
	Dr.K.Periyasamy,				
	Mr.N.Kawin,				
	Mr.S.Kumaravel,				
	Mr.S.Mohankumar,				
	Mr.Ra.Aravind,				
Mr.J.Mahendran					

2.	Mr.R.Karthik	Patent	Development of Parallel and Counter Flow Heat Exchanger	Published/2024410441 79	Published on 14.06.2024
CAYm2 (2023-24)					
1.	Mr.S.Kumaravel	Patent	Manual Seeder machine with digital counter	Published/2023410433 18A	Published on 15.09.2023
	Mr.M.Dineshkumar				
	Mr.S.Chandrakumar				
CAYm3 (2022-23)					
1.	Dr.K.Periasamy	Patent	Car Back Seat Folded Trunk Tray	Published/ 202341010839	Published on 24.03.2023
CAYm4(2021-22)					
1.	Mr.M.Dineshkumar	Patent	Smart Vision Based Iron Box Using Deep Learning Algorithms	Published/2021410269 92	Published on 16.07.2021