



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution and affiliated to Anna University, Chennai)
Kuniamuthur, Coimbatore - 641 008



DEPARTMENT OF MECHATRONICS ENGINEERING

Details of Patents (2023 -2024)

| S.No. | Application No | Date of filing | Publication Date | Title of the invention | Name of the Inventor | STATUS | Type(Utility/Design) |
|-------|----------------|----------------|------------------|---|---|----------------------------|----------------------|
| 1 | 387760-001 | 06.06.2023 | 14.09.2023 | Absorber plate for solar energy collector | S. Madhankumar , Dr. V. Karthickeyan, S. Rajesh | Design Registered /Granted | Design |
| 2 | 382457-001 | 28/03/2023 | 7/8/2023 | Guidance Robot | Dr. V. Muthukumaran S. Balaji T. Vignesh Dr. N.A. Natraj .Dr. M. Bhuvaneswari Dr.K.P.Yuvaraj Dr.K.M.Senthilkumar Ms. N. Pooranam | Design Registered /Granted | Design |
| 3 | 387716-001 | 6/6/2023 | 17/08/2023 | Elderly care Robot | T. Vignesh | Design Registered /Granted | Design |
| 4 | 383163-001 | 6/4/2023 | 30/06/2023 | Atmospheric Water Generator | Dr.G.Veerappan | Design Registered /Granted | Design |
| 5 | 397487-001 | 13/10/2023 | 27/12/2023 | Automated Weeder Machine | Mr. M. Suseendhar Mr.B. Rajkumar Mr.R.Rajkumar Mr. S. Madhankumar Mr. S. Rajesh | Design Registered /Granted | Design |
| 6 | 397489-001 | 13/10/2023 | 4/1/2024 | Passive Solar Tracking System | S. Madhankumar, R. Praveen, P. Pranesh, M. Preethiviraj | Design Registered /Granted | Design |
| 7 | 397488-001 | 13/10/2023 | 10/1/2024 | Solar Food Dryer | Dr. M. Bhuvaneswari, Mr. C. Elango, Mr. S. Jagadeeshwaran, Mr. J S. Mohamed Riyaz, Mr. S. Madhankumar, Mr. S. Rajesh | Design Registered /Granted | Design |

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| 8 | 411020-001 | 20/03/2024 | 16/05/2024 | Load Carring Automated Guided Vehicle | S.Dinesh, Devabalan B, Dhanush B, Kishor G, S.Madhan Kumar | Published | Design |
| 9 | 41006637A | 31/01/2024 | 9/2/2024 | IOT based smart helmet for industrial workers | Dr. K. Ananthi, S. Nithya Priya, Shannon Abishek, Sooraj S, Vijeth, Nellaiappan, Raghul S | Published | Ultility |
| 10 | 379605-001 | 18/02/2023 | 30/11/2023 | Personal Assistant Robot | Dr. K. Akila T. Vignesh Ms. N. Pooranam Dr.K.P.Yuvaraj Dr.K.Rameshkumar Dr. Pankaj Pathak.Mr.P.Kathirvel Monica D | Design Registered /Granted | Design |
| 11 | 393112-001 | 19/08/2023 | 29/11/2023 | Personal AI based Assistant Robot | Pon Bharathi A Dr.S.Veluchamy Dr. N.A. Natraj T. Vignesh Dr. Pankaj Pathak Dr. K. Akila Dr.K.M.Senthilkumar Ms. N. Pooranam | Design Registered /Granted | Design |
| 12 | 400196-001 | 11/1/2024 | 18/11/2023 | Intelligent Assistive Robot for elderly care people | Dr.K.Vinoth Kumar Rameshkumar K D. Gnanaprakasam N.Dhamodharan Mr.P.Kathirvel Ms. N. Pooranam Dr. Pankaj Pathak T. Vignesh | Design Registered /Granted | Design |
| 13 | 411273-001 | 20/03/2024 | 9/5/2024 | Automatic Pressing Machine | Dr. M. Bhuvaneswari Mr. B. Rajkumar Mr. R. Rajkumar Mr. R. Sriram Kumar Dr. L. Feroz Ali Mr. S. Madhankumar Ms. S. Nithya Priya Mr. S. Rajesh | Design Registered /Granted | Design |
| 14 | 409749-001 | 8/3/2024 | 2/5/2024 | Automated Scaling Machine | Dr. T. A. Selvan Mr. K. V. Deepak Mr. S. Adhithyan Ms. P. Linga Sri Mr. S. Madhankumar Mr. S. Rajesh | Design Registered /Granted | Design |
| 15 | 389877-001 | 8/7/2023 | 26/04/2024 | Intelligent Monitoring Robot | Dr.G.Radhakrishnan Dr.N.K.Geetha Dr. K. Ramasamy Dr.D.Pritima Dr. G.Veerappan S.Abirami Dr.S.Rajasekaran T. Vignesh | Design Registered /Granted | Design |

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| 16 | 403364-001 | 28/12/2023 | 29/02/2024 | Health care Assistive Robot for Hospitals | Ms. N. Pooranam Dr. K. Velusamy Mr S.Sureshkumar Dr. Pankaj Pathak Dr.K.M.Senthilkumar .Dr. V. Muthukumaran Dr.S.Balaji T. Vignesh | Design Registered /Granted | Design |
| 17 | 6342734 | 28-Jan-24 | 5-Feb-24 | Machine for Analysis of the resistance of welded parts by the electrical resistance process | Dr. Sampath Boopathi, Dr. Jambulingam Ananth, Dr. Kandregula S. Raghuram, Dr. Andiyappan Kistan, Dr. Manivelmuralidaran Velumani, Dr. Raghunathan Gopinathan | Design Granted | Design |