



DEPARTMENT OF MECHATRONICS ENGINEERING
PATENT PUBLISHED: ACADEMIC YEAR 2023-2024

S.No.	Application No	Date of filing	Publication Date	Title of the invention	Name of Applicant	Name of Inventor	Type (Design/Utility)	Country
1	387760-001	06.06.2023	14.09.2023	Absorber plate for solar energy collector	Mr S. Madhankumar Dr V.Karthikeyan Mr S.Rajesh	Mr S. Madhankumar Dr V.Karthikeyan Mr S.Rajesh	Design	India
2	382457-001	28/03/2023	07/08/2023	Guidance robot	1.Dr. V. Muthukumaran 2. S. Balaji 3.T. Vignesh 4.Dr. N.A. Natraj 5.Dr. M. Bhuvaneshwari 6.Dr.K.P.Yuvaraj 7.Dr.K.M.Senthil Kumar 8.Ms. N. Pooranam	1.Dr. V. Muthukumaran 2. S. Balaji 3.T. Vignesh 4.Dr. N.A. Natraj 5.Dr. M. Bhuvaneshwari 6.Dr.K.P.Yuvaraj 7.Dr.K.M.Senthil Kumar 8.Ms. N. Pooranam	Design	India
3	387716-001	06/06/2023	17/08/2023	Elderly care robot	T. Vignesh Dr Madhavi Damie Dinesh Kumar J R Dr R Gopinathan Dr N A Natraj Dr S Gopinath Dr K P Yuvaraj Ms N.Pooranam Mr N Loganathan	T. Vignesh Dr Madhavi Damie Dinesh Kumar J R Dr R Gopinathan Dr N A Natraj Dr S Gopinath Dr K P Yuvaraj Ms N.Pooranam Mr N Loganathan	Design	India
4	383163-001	06/04/2023	30/06/2023	Ahmospheric water generator	Umar Ahamed P M PM Mohamed Mohamed Ibraheem Mr P Abba Kiyasudeen Dr.G.Veerappan	Umar Ahamed P M PM Mohamed Mohamed Ibraheem Mr P Abba Kiyasudeen Dr.G.Veerappan Stalin Durai	Design	India



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					Stalin Durai Ms Nihmath Aafiya	Ms Nihmath Aafiya		
5	397487-001	13/10/2023	27/12/2023	Automated weeder machine	Dr.M.Bhuvanewari .Mr. S. Madhankumar	Mr. M. Suseendhar Mr.B. Rajkumar Mr.R.Rajkumar Mr. S. Madhankumar Mr. S. Rajesh	Design	India
6	397489-001	13/10/2023	04/01/2024	Passive solar tracking system	S. Madhankumar, R. Praveen, P. Pranesh, M. Preethiviraj	S. Madhankumar, R. Praveen, P. Pranesh, M. Preethiviraj	Design	India
7	397488-001	13/10/2023	10/01/2024	Solar food dryer	Dr. M. Bhuvanewari, Mr. C. Elango, Mr. S. Jagadeeshwaran, Mr. J S. Mohamed Riyaz, Mr. S. Madhankumar, Mr. S. Rajesh	Dr. M. Bhuvanewari, Mr. C. Elango, Mr. S. Jagadeeshwaran, Mr. J S. Mohamed Riyaz, Mr. S. Madhankumar, Mr. S. Rajesh	Design	India
8	411020-001	20/03/2024	16/05/2024	Load Carring Automated Guided Vehicle	Dr.S.Dinesh, R.S.Akhilan,L.Guru nathan, K.P.Hariharan, Mr.Madhan Kumar, Mr.S.Rajesh	Dr.S.Dinesh, R.S.Akhilan,L.Gurunat han, K.P.Hariharan, Mr.Madhan Kumar, Mr.S.Rajesh	Design	India
9	41006637A	31/01/2024	09/02/2024	IOT based smart helmet for industrial workers	Dr. J. Indirapriyadharshini	Dr. K. Ananthi, S. Nithya Priya, Shannon Abishek, Sooraj S, Vijeth, Nellaiappan, Raghul S	Ultility	India
10	379605-001	18/02/2023	30/11/2023	Personal assistant robot	1.Dr. K. Akila 2. T. Vignesh 3.Ms. N. Pooranam 4.Dr.K.P.Yuvaraj 5.Dr.K.Rameshkum ar 6.Dr. Pankaj Pathak 7.Mr.P.Kathirvel	1.Dr. K. Akila 2. T. Vignesh 3.Ms. N. Pooranam 4.Dr.K.P.Yuvaraj 5.Dr.K.Rameshkumar 6.Dr. Pankaj Pathak 7.Mr.P.Kathirvel 8.Monica D	Design	India



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					8.Monica D			
11	393112-001	19/08/2023	29/11/2023	Personal ai based assistant robot	1.Pon Bharathi A 2. Dr.S.Veluchamy 3.Dr. N.A. Natraj 4.T. Vignesh 5.Dr. Pankaj Pathak 6.Dr. K. Akila 7.Dr.K.M.Senthilkumar 8.Ms. N. Pooranam	1. Pon Bharathi A 2. Dr.S.Veluchamy 3.Dr. N.A. Natraj 4.T. Vignesh 5.Dr. Pankaj Pathak 6.Dr. K. Akila 7.Dr.K.M.Senthilkumar 8.Ms. N. Pooranam	Design	India
12	400196-001	18/11/2023	11/01/2024	Intelligent assistive robot for elderly care people	1.Dr.K.Vinoth Kumar 2. Rameshkumar K 3.D. Gnanaprakasam 4.N.Dhamodharan 5.Mr.P.Kathirvel 6.Ms. N. Pooranam 7.Dr. Pankaj Pathak 8.T. Vignesh	1.Dr.K.Vinoth Kumar 2. Rameshkumar K 3.D. Gnanaprakasam 4.N.Dhamodharan 5.Mr.P.Kathirvel 6.Ms. N. Pooranam 7.Dr. Pankaj Pathak 8.T. Vignesh	Design	India
13	411273-001	20/03/2024	09/05/2024	Automatic pressing machine	Dr.M.Bhuvanewari , Dr. L. Feroz Ali, Mr. S. Madhankumar and Ms. S. Nithya Priya	1.Dr. M. Bhuvanewari 2. Mr. B. Rajkumar 3.Mr. R. Rajkumar 4.Mr. R. Sriram Kumar 5.Dr. L. Feroz Ali 6.Mr. S. Madhankumar 7.Ms. S. Nithya Priya 8.Mr. S. Rajesh	Design	India
14	409749-001	08/03/2024	02/05/2024	Automated scaling machine	Dr.T.A.Selvan and Mr.S.Madhankumar	1.Dr. T. A. Selvan 2. Mr. K. V. Deepak 3.Mr. S. Adhithyan 4.Ms. P. Linga Sri 5.Mr. S. Madhankumar 6.Mr. S. Rajesh	Design	India
15	389877-001	08/07/2023	26/04/2024	Intelligent monitoring robot	1.Dr.G.Radhakrishnan 2. Dr.N.K.Geetha	1.Dr.G.Radhakrishnan 2. Dr.N.K.Geetha 3.Dr. K.	Design	India



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					3.Dr. K. Ramasamy 4.Dr.D.Pritima 5.Dr. G.Veerappan 6.S.Abirami 7.Dr.S.Rajasekaran 8.T. Vignesh	Ramasamy 4.Dr.D.Pritima 5.Dr. G.Veerappan 6.S.Abirami 7.Dr.S.Rajasekaran 8.T. Vignesh		
16	403364-001	28/12/2023	29/02/2024	Health care assistive robot for hospitals	1.Ms. N. Pooranam 2. Dr. K. Velusamy 3.Mr S.Sureshkumar 4.Dr. Pankaj Pathak 5.Dr.K.M.Senthilku mar 6.Dr. V. Muthukumar 7.Dr.S.Balaji 8.T. Vignesh	1.Ms. N. Pooranam 2. Dr. K. Velusamy 3.Mr S.Sureshkumar 4.Dr. Pankaj Pathak 5.Dr.K.M.Senthilkumar 6.Dr. V. Muthukumar 7.Dr.S.Balaji 8.T. Vignesh	Design	India
17	6342734	28.01.2024	05.02.2024	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	Dr. Sampath Boopathi, Dr. Jambulingam Ananth, Dr. Kandregula S. Raghuram, Dr. Andiyappan Kistan, Dr. Manivelmuralidaran Velumani, Dr. Raghunathan Gopinathan	Design	UK