



**DEPARTMENT OF MECHATRONICS ENGINEERING**  
**PATENT PUBLISHED: ACADEMIC YEAR 2024-2025**

S.No.	Application No	Date of filing	Publication Date	Title of the invention	Name of Applicant	Name of Inventor	Type (Design/Utility)	Country
1	417936-001	25.05.2024	28.06.2024	Wristwatch	1.Vignesh S 2. Sriram K S 3.Vignesh R 4.Naveenraj M 5. <b>Dr. S. Madhankumar</b> 6.Mr. S. Rajesh	1.Vignesh S 2. Sriram K S 3.Vignesh R 4.Naveenraj M 5. <b>Dr. S. Madhankumar</b> 6.Mr. S. Rajesh	Design	India
2	417695-001	22.05.2024	04.07.2024	Smart trolley	1.A. Aarthi 2. S. Asmitaa 3.S. Anjanadevi 4. <b>Dr. S. Madhankumar</b> 5.Mr. S. Rajesh	1.A. Aarthi 2. S. Asmitaa 3.S. Anjanadevi 4. <b>Dr. S. Madhankumar</b> 5.Mr. S. Rajesh	Design	India
3	417744-001	23.05.2024	04.07.2024	Angle bush	1.R. Saran Sarvesh 2. G. Praneet 3.B. Selvasriga 4. <b>Dr. S. Madhankumar</b> 5.Mr. S. Rajesh	1.R. Saran Sarvesh 2. G. Praneet 3.B. Selvasriga 4. <b>Dr. S. Madhankumar</b> 5.Mr. S. Rajesh	Design	India
4	417937-001	25.05.2024	08.07.2024	Adjustable mobile holder	1.Amira Carel A 2. Ashmita E 3.Hamsavarthini D 4.Janani S 5. <b>Mr. S. Madhankumar</b> 6.Mr. S. Rajesh	1.Amira Carel A 2. Ashmita E 3.Hamsavarthini D 4.Janani S 5. <b>Mr. S. Madhankumar</b> 6.Mr. S. Rajesh	Design	India
5	417934-001	25.05.2024	09.07.2024	Multi angle laptop	1.Mohammed Suhail M K 2. Sharukeshan S 3.Sibi Sivanezhil B 4.Yuvarajkrishna R K 5. <b>Mr. S. Madhankumar</b> 6.Mr.	1.Mohammed Suhail M K 2. Sharukeshan S 3.Sibi Sivanezhil B 4.Yuvarajkrishna R K 5. <b>Mr. S. Madhankumar</b> 6.Mr.	Design	India



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					<b>Madhankumar</b> 6.Mr. S. Rajesh	S. Rajesh		
6	417931-001	25.05.2024	09.07.2024	Slider laptop	1.A.Nakshatira 2. S.Sadhana 3.S.Shri Sruthi 4.Thabassum Syed <b>5.Mr. S.</b> <b>Madhankumar</b> 6.Mr. S. Rajesh	1.A.Nakshatira 2. S.Sadhana 3.S.Shri Sruthi 4.Thabassum Syed <b>5.Mr. S.</b> <b>Madhankumar</b> 6.Mr. S. Rajesh	Design	India
7	417932-001	25.05.2024	11.07.2024	Phone stand with holder	1.Mustafa Faiz V. H 2. Nivin. S 3.Nandhu Sivadas 4.Suriya. T 5.Muhil. S. K <b>6.Mr.</b> <b>S. Madhankumar</b> 7.Mr. S. Rajesh	1.Mustafa Faiz V. H 2. Nivin. S 3.Nandhu Sivadas 4.Suriya. T 5.Muhil. S. K <b>6.Mr. S.</b> <b>Madhankumar</b> 7.Mr. S. Rajesh	Design	India
8	417928-001	25.05.2024	12.07.2024	Autonomous robot for medicine serving	1.Raghul Y 2. Sooriyan P 3.Vasanth Kumar B 4.Prajesh Rodrico A <b>5.Mr. S.</b> <b>Madhankumar</b> 6.Mr. S. Rajesh	1.Raghul Y 2. Sooriyan P 3.Vasanth Kumar B 4.Prajesh Rodrico A <b>5.Mr. S.</b> <b>Madhankumar</b> 6.Mr. S. Rajesh	Design	India
9	418205-001	28.05.2024	12.07.2024	Ultrasonic sensor shoe	1.Sherin Farhana A 2. Sai Aniketh G 3.Santhosh R 4.Saranya S 5.Yakhrevan S <b>6.Madhankumar S</b> 7.Rajesh S	1.Sherin Farhana A 2. Sai Aniketh G 3.Santhosh R 4.Saranya S 5.Yakhrevan S <b>6.Madhankumar S</b> 7.Rajesh S	Design	India
10	417929-001	25.05.2024	12.07.2024	Car washing bot	1.V. Pranav 2. Rahul S 3.Sanjay Malaiswamy 4.Varun S <b>5.Mr. S.</b> <b>Madhankumar</b> 6.Mr. S. Rajesh	1.V. Pranav 2. Rahul S 3.Sanjay Malaiswamy 4.Varun S <b>5.Mr. S.</b> <b>Madhankumar</b> 6.Mr. S. Rajesh	Design	India
11	419987-001	13.06.2024	19.07.2024	Self cleaning bench	1.S. Eric Allan 2. P. Akshayan 3.S.	1.S. Eric Allan 2. P. Akshayan 3.S.	Design	India



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					Abishek 4.C. Clifford Wesley 5. <b>Mr. S. Madhankumar</b> 6.Mr. S. Rajesh	Abishek 4.C. Clifford Wesley 5. <b>Mr. S. Madhankumar</b> 6.Mr. S. Rajesh		
12	418208-001	28.05.2024	15.07.2024	Vehicle silencer	1.Vikas K 2. Shityash S 3.Varun S 4.Sarath N.S 5. <b>Mr. S. Madhankumar</b> 6.Mr. S. Rajesh	1.Vikas K 2. Shityash S 3.Varun S 4.Sarath N.S 5. <b>Mr. S. Madhankumar</b> 6.Mr. S. Rajesh	Design	India
13	417745-001	23.05.2024	25.07.2024	Piezoelectrically -regenerative tyre rim	1.Vishwa M P 2. Vishnudev K S 3.Siva Suriyan M 4.Shakthi Siddharth S K 5.Rubhavanan N 6. <b>Madhankumar S</b> 7.Rajesh S	1.Vishwa M P 2. Vishnudev K S 3.Siva Suriyan M 4.Shakthi Siddharth S K 5.Rubhavanan N 6. <b>Madhankumar S</b> 7.Rajesh S	Design	India
14	416245-001	08.05.2024	30.07.2024	Multifunctional ruler	1.Mr. Aadhithya S Eswar 2. Mr. N. Guru Saran 3.Mr. S. V. Jashwanth 4.Mr. R. Lingesh 5. <b>Mr. S. Madhankumar</b> 6.Mr. S. Rajesh	1.Mr. Aadhithya S Eswar 2. Mr. N. Guru Saran 3.Mr. S. V. Jashwanth 4.Mr. R. Lingesh 5. <b>Mr. S. Madhankumar</b> 6.Mr. S. Rajesh	Design	India
15	416938-001	14.05.2024	02.08.2024	Multifunctional airdopes box	1.Harish P 2. Devanand B 3.Hariharan S 4.Arvind S R 5. <b>Mr. S. Madhankumar</b> 6.Mr. S. Rajesh	1.Harish P 2. Devanand B 3.Hariharan S 4.Arvind S R 5. <b>Mr. S. Madhankumar</b> 6.Mr. S. Rajesh	Design	India
16	418209-001	28.05.2024	01.08.2024	Irrotational sprinkler	1.Sathiyam A 2. Sujeth Te 3.Subash Sakthi S 4.Rithan Karthik S 5.Sunil J 6. <b>Madhankumar S</b> 7.Rajesh S	1.Sathiyam A 2. Sujeth Te 3.Subash Sakthi S 4.Rithan Karthik S 5.Sunil J 6. <b>Madhankumar S</b> 7.Rajesh S	Design	India



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17	416939-001	14.05.2024	02.08.2024	Water bottle with pill holder	1.T. Harish 2. V. Gokulakrishna 3.S. K. Dhivakaran <b>4.Mr. S. Madhankumar</b> 5.Mr. S. Rajesh	1.T. Harish 2. V. Gokulakrishna 3.S. K. Dhivakaran <b>4.Mr. S. Madhankumar</b> 5.Mr. S. Rajesh	Design	India
18	419989-001	13.06.2024	01.08.2024	Multi-purpose 3d printer	<b>1.Ms. S. Kannaki</b> 2. Mr. S. Sooraj 3.Mr. R. Vijeth <b>4.Mr. S. Madhankumar</b> 5.Mr. S. Rajesh	<b>1. Ms. S. Kannaki</b> 2. Mr. S. Sooraj 3.Mr. R. Vijeth <b>4.Mr. S. Madhankumar</b> 5.Mr. S. Rajesh	Design	India
19	418206-001	28.05.2024	05.08.2024	Iron box	1.Ganesh S 2. Dhanush V 3.Aravindhnan K 4.Harish R 5. <b>Mr. S.Madhankumar</b> 6.Mr. S.Rajesh	1.Ganesh S 2. Dhanush V 3.Aravindhnan K 4.Harish R 5. <b>Mr. S.Madhankumar</b> 6.Mr. S.Rajesh	Design	India
20	419984-001	13.06.2024	29.08.2024	Multi allen toolkit	1.Kamalnath D 2. Karthickraja S 3.Karthikeyan K A 4.Ezhil Karthick K 5. <b>Madhankumar S</b> 6.Rajesh	1.Kamalnath D 2. Karthickraja S 3.Karthikeyan K A 4.Ezhil Karthick K 5. <b>Madhankumar S</b> 6.Rajesh	Design	India
21	411274-001	21/03/2024	16.05.2024	Construction demolition waste management system	<b>1.Ms. S. Kannaki</b> 2. Mr. R.Arulmurugan 3.Mr. V. Aswinth 4.Mr. Kj. Kaamesh 5.Mr. K. Kishore Aniruth,6.Ms.S.Nithya Priya 7.Mr. S. Madhankumar 8.Mr. S. Rajesh	<b>1.Ms. S. Kannaki</b> 2. Mr. R.Arulmurugan 3.Mr. V. Aswinth 4.Mr. Kj. Kaamesh 5.Mr. K. Kishore Aniruth,6.Ms.S.Nithya Priya 7.Mr. S. Madhankumar 8.Mr. S. Rajesh	Design	India
22	425579-001	02/08/2024	19/09/2024	Smart crop care robot	1.Rathish C R 2. Dr. Pankaj Pathak 3.B Manojkumar 4.Dr.N.Sureshkuma	1.Rathish C R 2. Dr. Pankaj Pathak 3.B Manojkumar 4.Dr.N.Sureshkumar	Design	India



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					5.Dr. V. Muthukumaran 6.Dr.K.M.Senthil Kumar 7.Dr.S.Balaji 8.T. <b>Vignesh</b>	5.Dr. V. Muthukumaran 6.Dr.K.M.Senthil Kumar 7.Dr.S.Balaji 8.T. <b>Vignesh</b>		
23	410670-001	15/03/2024	19/09/2024	Smart harvesting robot for enhancing crop oversight	1.Pon Bharathi A 2. Dr. P. Dhiravidamani 3. Ms Monica D 4. N. Babu 5. Dr. Kalpana Murugan 6.Dr.Jeyaprakasam S 7.Dr. Pankaj Pathak 8.T. Vignesh	1.Pon Bharathi A 2. Dr. P. Dhiravidamani 3. Ms Monica D 4. N. Babu 5. Dr. Kalpana Murugan 6.Dr.Jeyaprakasam S 7.Dr. Pankaj Pathak 8.T. <b>Vignesh</b>	Design	India
24	202441074978 A	04/10/2024	18/10/2024	A smart monitoring system for energy METERS	Dr.Indirapriyadharsini J	Venkates R Mohan R Sri Krishna Sudharshan R	Utility	India
25	429089-001	02/09/2024	22/10/2024	Multi-crop cutter and herbicide with auto feeder	1.Dr.S.Thillikkani 2. Mr.B.Sudhakar 3.Mr.N.Suresh 4.Mr. Karthick Kumar T 5.Mr.V.Mohankumar 6.T. <b>Vignesh</b>	1.Dr.S.Thillikkani 2. Mr.B.Sudhakar 3.Mr.N.Suresh 4.Mr. Karthick Kumar T 5.Mr.V.Mohankumar 6.T. <b>Vignesh</b>	Design	India
26	410778-001	18/03/2024	16/05/2024	Eco bricks with plastic waste	1.Dr S.N Kumar 2. Dr Aju Mathew George 3.Abhiram Baiju 4.Muhammed Assif 5.Binson S 6.Abhishek Kumar Anil 7.Dr.Binu M	1.Dr S.N Kumar 2. Dr Aju Mathew George 3.Abhiram Baiju 4.Muhammed Assif 5.Binson S 6.Abhishek Kumar Anil 7.Dr.Binu M Issac 8.Ajai Thampy 9.Dr.P.Vinoth	Design	India



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					Issac 8.Ajai Thampy 9.Dr.P.Vinoth Kumar <b>10.T. Vignesh</b>	Kumar <b>10.T. Vignesh</b>		
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