



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to Pondicherry University

Accredited by NBA, New Delhi and NAAC with 'A' grade

A Unit of Sri Manakula Vinayagar Group of Educational Institutions

Product Patents Details

List of Patents registered/accepted:

- ❖ Total No. of Patents Filed : 78
- ❖ Patent Journal Published : 76
- ❖ Patent Awarded : 12

S.No	Year	Applicant Name	Inventors name	Patent details	Application No & Date of Registration	Status (Awarded/ Filed)
1.	2021	Dr. R. Valli	Dr. R. Valli Dr. S. Malarkkan Mr. V. Rajesh K. Manojkumar	Automated Portable Grocery Dispenser Machine	202141035034 04-08-2021	Granted
2.	2021	Dr. R. Valli	Dr. R. Valli Dr. S. Arunmozhi K. Manojkumar Mr. V. Rajesh	Saline Solution Rundown Monitoring and Alerting Device	202141035035 04-08-2021	Granted
3.	2021	Dr. R. Valli	Dr. R. Valli Dr. S. Malarkkan Mr. V. Rajesh K. Manojkumar	Hot Medicated wax Towel Squeezer for Physiotherapist	202141035036 04-08-2021	Published – FER Filed
4.	2021	Dr. R. Valli	Dr. R. Valli R. Priya P. L. Santhana Krishnan V. Rajesh	Paddy De-Husker and Thrasher Using Solar Power with Portability	202141035037 04-08-2021	Published – FER Filed
5.	2021	Dr. S. Arunmozhi	Dr. S. Arunmozhi Dr. R. Valli Dr. S. Malarkkan K. Manojkumar	Foldable Wheel Chair with Location Identifier	202141035038 04-08-2021	Granted
6.	2021	Dr. S. Malarkkan	Dr. S. Malarkkan Dr. R. Valli Dr. S. Arunmozhi K. Manojkumar	Portable Physiotherapy Equipment With Automatic Height Adjustable Parallel Walking Bars	202141035039 04-08-2021	Published – FER Filed

7.	2021	K. Manojkumar	K. Manojkumar Mr. V. Rajesh Dr. R. Valli Dr. S. Arunmozhi	Automatic Water Dispenser	202141035040 04-08-2021	Granted
8.	2021	Dr. S. Malarkkan	Dr. S. Malarkkan Mr. V. Rajesh Dr. S. Arunmozhi Dr. R. Valli	Automatic Water Tap Dispenser with water Storage tank	202141035041 04-08-2021	Granted
9.	2021	Dr. S. Arunmozhi	Dr. S. Arunmozhi Mr. V. Rajesh Dr. R. Valli G. Seenuvasan	Reading Assistant for Visually Impaired People	202141035042 04-08-2021	Granted
10.	2021	Dr. S. Arunmozhi	Dr. S. Arunmozhi K. Manojkumar Dr. R. Valli Mr. V. Rajesh	Portable Human Counting Kiosk	202141035043 04-08-2021	Published – FER Filed
11.	2022	Manakula Vinayagar Institute Of Technology	Dr. S. Arunmozhi Priyadharshini. M Kavitha. R Sandiya. D	Automated Dispenser Of Pills And Syrup With Prescription Input	202241041120 19-07-2022	Granted
12.	2022	Manakula Vinayagar Institute Of Technology	V. Rajesh Kumar Dr. S. Arunmozhi	Authentic Signature Verification Device	202241041121 19-07-2022	Published – Need to FER Filed
13.	2022	Manakula Vinayagar Institute Of Technology	R. Raj Bharath Dr. N. Palanivel	Automatic Water Supplying Tap With Level Detector In Metrowater Pipeline	202241041122 19-07-2022	Published – Need to FER Filed
14.	2022	Manakula Vinayagar Institute Of Technology	Dr. R. Valli K. Manojkumar V. Lavanya	Blood Bank Temperature Monitoring And Data Logger	202241041123 19-07-2022	Published – Need to FER Filed
15.	2022	Manakula Vinayagar Institute Of Technology	S. Gowshameed Senthamizh Vendan. S Santhosh. G Diliban. S	Movable Electric Vehicle Charging Station With Entrancebarrier	202241041124 19-07-2022	Granted
16.	2022	Manakula Vinayagar Institute Of Technology	Dr. S. Arunmozhi Mr. A. Baskaran Mr. V. Rajesh	A Barcode Reader Enabled First Aid Box For Visually challenged People	202241076640 29-12-2022	Published
17.	2022	Manakula Vinayagar Institute Of Technology	Mr. V. Rajesh Dr. S. Arunmozhi	An Adjustable Automated Eye Drops Dispenser	202241076641 29-12-2022	Granted

18.	2022	Manakula Vinayagar Institute Of Technology	R. Priya Dr. R. Valli Dr. N. Poonguzhali	Face Mask Envelope Gluing And Folding Machine	202241076642 29-12-2022	Published
19.	2022	Manakula Vinayagar Institute Of Technology	Dr. R. Valli K. Manojkumar S. Anbarasan D. Dhinesh	Urine Specimen Carrying Robot With Automatic Lid Opener	202241076643 29-12-2022	Granted
20.	2022	Manakula Vinayagar Institute Of Technology	Dr. N. Poonguzhali Dr. R. Valli	An Alerting Option Enabled Portable Saline Stand With Dual monitoring	202241076644 29-12-2022	Published
21.	2023	Manakula Vinayagar Institute Of Technology	Kailash. M Mohanraj U K.Selvam J.Sugumaran	Fabrication Of Automated Voice Assisted Wheel Chair	202341073062 27-10-2023	Published
22.	2023	Manakula Vinayagar Institute Of Technology	Dr. Sedhuraman. K Mohamed Yusuf Satham Hussain. M Vasanth Kumar. V	Robot Arm Handling Using Intelligent Image Processing	202341073063 27-10-2023	Published
23.	2023	Manakula Vinayagar Institute Of Technology	Dr. R. Baghya Nisha	Development Of Egg Powder Using Tray Dryer	202341073071 27-10-2023	Published
24.	2023	Manakula Vinayagar Institute Of Technology	Dr.R.Baghya Nisha Shailajha. R	Carotenoid Based Biodegradable Visual Indicator Films	202341073073 27-10-2023	Published
25.	2023	Manakula Vinayagar Institute Of Technology	Renuka Devi Dr.V.Govindan Srinath. G Sourav Rajesh Sheshanth.R Prem Kumar	Battery Operated Portable Mini Vacuum Cleaner	202341073086 27-10-2023	Published
26.	2023	Manakula Vinayagar Institute Of Technology	Dr.S.Arunmozhi	Automatic Soup Vending Machine Using Plc(Fx1n32mr)	202341073103 27-10-2023	Published
27.	2023	Manakula Vinayagar Institute Of Technology	Mr.R.Raj Bharath Dr.N.Palanivel	Wearable Gloves For Easy Way Of Communication Between Deafand Dumb People To Normal People	202341073109 27-10-2023	Published
28.	2023	Manakula Vinayagar	Vasanth. B Krishna Kumar. S	Iot Based Solar Powered Grass Cutter	202341073662 30-10-2023	Published

		Institute Of Technology		With Plougher		
29.	2023	Manakula Vinayagar Institute Of Technology	Mr. S. Rajkumar Ap Venkatramanan. M Abdul Razzak. N Siva Prakash. S	Iot Based Pneumatic And Portable Smart ventilator	202341076843 10-11-2023	Published
30.	2023	Manakula Vinayagar Institute Of Technology	Ms S.K.Sugunedham Vishnu Priyan.E S.Jeevanandha P.Ragul A.Vishnuseelvam	Real-Time Power Monitoring System For Improved Energy Efficiency	202341077368 14-11-2023	Published
31.	2023	Manakula Vinayagar Institute Of Technology	Mrs.K.C.Nithyasree S.Roshma P.Vishnu Priya A.Anitha	Fire Emergence And Automation System Using Arduino	202341077375 14-11-2023	Published
32.	2023	Manakula Vinayagar Institute Of Technology	Anupriya.K Kirubakaran.N Haarris.M Jethendiran.V	Industrial Gas Detection Ensuring Safety & Security- Using Iot	202341081748 01-12-2023	Published
33.	2023	Manakula Vinayagar Institute Of Technology	Dr. C. Shanmuga Sundaram Datchinamoorthi. E Hemachandiran.A Gowtham.S	Footboard Avoidance System For Transport Vehicle	202341081757 01-12-2023	Published
34.	2024	Manakula Vinayagar Institute Of Technology	Mr. K.Premkumar Dr. P. Sivakumar Dr. A. Meiappane N.Yugavarman	Pressure Cooker Whistle Counter And Notification Systemusing Iot	202441000038 01-01-2024	Published
35.	2024	Manakula Vinayagar Institute Of Technology	Dr. P. Sivakumar Dr. A. Meiappane Ms. S. Amirtha Varshini	Smart Garage Door	202441000041 01-01-2024	Published
36.	2024	Manakula Vinayagar Institute Of Technology	Kumaraguru.V Harikrishnan.M Jerome A.K. Mugundan .S	Multi-Utility Mechatronic Bot A Versatile Solution For Diverseindustries And Medical Field	202441000048 01-01-2024	Published
37.	2024	Manakula Vinayagar Institute Of Technology	Mrs.S.K.Sugunedham C.Madhumitha S.Pooja S.Preethisha	Automated Dossette Box Using Iot	202441000050 01-01-2024	Published

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38.	2024	Manakula Vinayagar Institute Of Technology	R. Rajesh S. Saranraj A. Dhinesh P. Thamil Sarathi Dr. N. Palanivel	Augmented Reality Enabled Smart Water Leakage identification And Infrastructure Management Of Pipeline System	202441035987 07-05-2024	Published 21-02-2025
39.	2024	Manakula Vinayagar Institute Of Technology	Dr. N. Palanivel Mrs. R. Indumathi Dr. G. Balamurugan	Implementation of AVRS Based Lip to Speech Converter	202441054835 18-07-2024	Published 07-03-2025
40.	2024	Manakula Vinayagar Institute Of Technology	Dr. Sedhuraman. K Murugan.R Akash.G Yuvaraj.P	A Smart Home Energy Management Configuration	202441054836 18-07-2024	Published
41.	2024	Manakula Vinayagar Institute Of Technology	Dr. G. Renuka Devi Hariharan. S Parthasarathi. S Thiruppa. L Boomika. R	Ai Powered Welcome Bot	202441054840 18-07-2024	Published
42.	2024	Manakula Vinayagar Institute Of Technology	V.Rajesh Dr.R.Valli	IoT Based Paralysation for Patient Healthcare	202441054844 18-07-2024	Published
43.	2024	Manakula Vinayagar Institute Of Technology	V.Rajesh Dr. S. Arunmozhi	Wearable Healthcare Monitoring and Assistance Device	202441054845 18-07-2024	Published
44.	2024	Manakula Vinayagar Institute Of Technology	Anupriya.K V. Durkeshveer S.I. Syed Ejaz Ahmed S. Vinith	Smart ECG Monitoring	202441054854 18-07-2024	Published
45.	2024	Manakula Vinayagar Institute Of Technology	N. Amarabalan Sravan.Cv K. Jeevanandham S. Vishnupradeep	Design And Implementation Of A Solar Powered CC- CV Battery Charger	202441054855 18-07-2024	Published
46.	2024	Manakula Vinayagar Institute Of Technology	Rajkumar.S Kamali. S Hemalatha. C Sowjanya. S	Automatic Medicine Distributing Machine Withiot Connected Prescription	202441054856 18-07-2024	Published

47.	2024	Manakula Vinayagar Institute Of Technology	K. Kumaran Dr. M. Jayekumar	Automated Selective Color Spray Paintingmachine	202441054860 18-07-2024	Published
48.	2024	Manakula Vinayagar Institute Of Technology	Dr. Sofia. R Dr. S. Arunmozhi	Cortex Feet Pressure Balancing Fordiabetic Patient	202441054861 18-07-2024	Published
49.	2024	Manakula Vinayagar Institute Of Technology	Mrs. R. Priya Dr. R. Valli Mr. S. Rajkumar Dr. C. Shanmugasundaram	Automatic Peanut Steamer	202441101136 20.12.2024	Published 21-02-2025
50.	2024	Manakula Vinayagar Institute Of Technology	Mrs. I. Varalakshmi Dr. S. Pariselvam G. Sharmila M. Subhashree	Brain Controlled Assistive Wheel Chair Forphysically Challenged Individual Using Artificialintelli	202441101137 20.12.2024	Published 21-02-2025
51.	2024	Manakula Vinayagar Institute Of Technology	Mrs. D. Mohanapriya Dr. N. Palanivel Mrs. R. Indumathi Mrs. S. Suganthi	Augmented Really Enabled Smart Water Leakageidentification And Infrastructure Management Ofpipelin	202441101138 20.12.2024	Published 21-02-2025
52.	2024	Manakula Vinayagar Institute Of Technology	S.K. Sugunedham R. Raj Bharath K. Anupriya A. Jainullabdeen	Smart Mini Chimney Iot Enabled Kitchen Airpurifier	202441101139 20.12.2024	Published 21-02-2025
53.	2024	Manakula Vinayagar Institute Of Technology	Mrs. R. Indumathi Mrs. D. Mohanapriya Dr. S. Pariselvam Mrs. S. Boovaneswari	Anti-Theft Wearable Safety Bag For Travelers	202441101140 20.12.2024	Published 21-02-2025
54.	2024	Manakula Vinayagar Institute Of Technology	S.K. Sugunedham R. Raj Bharath S. Lavanya S. Chitra	Inductive Cable Sense Real-Time Undergroundfault Detection	202441101145 20.12.2024	Published 21-02-2025
55.	2024	Manakula Vinayagar Institute Of Technology	K. Kumaran M. Sivaraj Dr. M. Jayekumar	Heart Sound Classification Using Signalprocessing And Machine Learning Algorithm	202441101147 20.12.2024	Published 21-02-2025
56.	2024	Manakula Vinayagar Institute Of Technology	M. Sivaraj K. Kumaran V.Rajesh	Gsm Powered Otp Door Access Enhanced For Homeseecurity	202441101148 20.12.2024	Published 07-03-2025

57.	2024	Manakula Vinayagar Institute Of Technology	Mr.R.Sambathkumar Dr.A.Shankar C.Thiagarajan	Drowsiness Detection And Alert System Using Iot	202441101149 20.12.2024	Published 07-03-2025
58.	2024	Manakula Vinayagar Institute Of Technology	V. Rajesh K. Kumaran	Smart Cleaning Robot Using Mopping And Drying	202441101150 20.12.2024	Published 07-03-2025
59.	2024	Manakula Vinayagar Institute Of Technology	Dr. R. Valli K. Manojkumar S. Nivetha S. Anbarasan M. Mahalakshmi	Dialyzer Cleanpro Automated Reprocessingsystem With Smart Alerts	202441101155 20.12.2024	Published 07-03-2025
60.	2024	Manakula Vinayagar Institute Of Technology	Dr. R. Valli K. Manojkumar S. Nivetha S. Anbarasan M. Mahalakshmi	Affordable Myoelectric Prosthetic Armenhancing Mobility With 3d Printing And Emgtechnology	202441101160 20.12.2024	Published 07-03-2025
61.	2025	Manakula Vinayagar Institute Of Technology	Dr. R. Valli V. Rajesh Dr. M. Jayekumar K. Kumaran	Respiratory Ventilator Holding Trolley With height And Angular Adjusting Facility For hospitals	202541000043 01.01.2025	Published 15-08-2025
62.	2025	Manakula Vinayagar Institute Of Technology	V. Rajesh K. Kumaran Dr. S. Arunmozhi	Floating Infection Analyzer For Prawns harvesting With Solar Powered Iot Device	202541000045 01.01.2025	Published 15-08-2025
63.	2025	Manakula Vinayagar Institute Of Technology	Dr. P. Sivakumar Dr. A. Meiappane L. Yuvapriya	Air Quality Monitoring System Using arduino	202541000048 01.01.2025	Published 15-08-2025
64.	2025	Manakula Vinayagar Institute Of Technology	Dr. P. Sivakumar Dr. A. Meiappane Mrs. J. Prabavadhi	Advanced Footstep Power generation	202541000049 01.01.2025	Published 15-08-2025
65.	2025	Manakula Vinayagar Institute Of Technology	Dr. A. Meiappane Dr. P. Sivakumar Mr. S. Uthayshangar	Advanced Damage Detection In Conveyor Belts integrating Cnn For Automated Inspection	202541000050 01.01.2025	Published 15-08-2025
66.	2025	Manakula Vinayagar Institute Of Technology	Dr. P. Sivakumar Dr. A. Meiappane Mrs. A. Punitha	Joystick Guided Smart Trolley system	202541000053 01.01.2025	Published 15-08-2025
67.	2025	Manakula Vinayagar Institute Of	1. Mr. R. Sathishkumar 2. Mr. S. Balaji	Smart Earring-Based Personal Security System	202541078095 18-08-2025	Published 26-09-2025

		Technology	3. Mr. N. Arikaran 4. Mrs. S. Jayapradha			
68.	2025	Manakula Vinayagar Institute Of Technology	1. Mrs. S. Praveena 2. Mr. Jainullabdeen 3. Mr. S. Balaji	College Parking Management System	202541078096 18-08-2025	Published 26-09-2025
69.	2025	Manakula Vinayagar Institute Of Technology	1. Mrs. R. Priya 2. Mr. S. Rajkumar 3. Dr.R. Valli 4. Dr. R. Rajalakshmi	Spinal Brace To Prevent Back Pain In Corporate Professionals	202541078097 18-08-2025	Published 26-09-2025
70.	2025	Manakula Vinayagar Institute Of Technology	1. Mrs. S. K. Sugunedham 2. Mr. R. Raj Bharath 3. Mrs. K. Rajasri	Paranormal Frames- Affordable And Intelligent Obstacle Detection Glasses For The Visually Impaired	202541078098 18-08-2025	Published 26-09-2025
71.	2025	Manakula Vinayagar Institute Of Technology	1. Mrs. D. Mohanapriya 2. Mrs. R. Indumathi 3. Dr. S. Pariselvam 4. Mrs. S. Boovaneswari	Energy Harvesting Fitness Tracker	202541078099 18-08-2025	Published 26-09-2025
72.	2025	Manakula Vinayagar Institute Of Technology	1. Dr. S. Pariselvam 2. Mr. R. Sathishkumar 3. Mrs. Sharmila G 4. Mr. C. Saravanan	Iot Based Quality Tracking For Pharmaceutical Raw Material	202541078100 18-08-2025	Published 26-09-2025
73.	2025	Manakula Vinayagar Institute Of Technology	1. Sedhuraman K 2. Sabarish M 3. Gowtham S 4. Noopey Promod Kumar	Solar Power Generation Using Thermoelectric Generators With Mppt Control	202541078101 18-08-2025	Published 26-09-2025
74.	2025	Manakula Vinayagar Institute Of Technology	1. Ms. R. Renga Nayagi 2. Mrs. S. Chitra 3. Ms. K. Revathy	Footboard Alert System For Public Transport Safety	202541078102 18-08-2025	Published 26-09-2025
75.	2025	Manakula Vinayagar Institute Of Technology	1. Mrs. P. Suganya 2. Mrs. S. Lavanya 3. Mrs. Diana. S.	Proxsense Algorithm Driven Contactless Switching Mechanism	202541078103 18-08-2025	Published 26-09-2025

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76.	2025	Manakula Vinayagar Institute Of Technology	1. Mrs. R. Indumathi 2. Mrs. D. Mohanapriya 3. Mrs. P. Suganya 4. Mrs.U.R.Padma	Anti Theft Mat	202541078104 18-08-2025	Published 26-09-2025
77.	2025	Manakula Vinayagar Institute Of Technology	1. Dr A Thenmozhi 2. Mohamed Suhail. Y 3. S. K. Kishore	Autonomous Robotic Videography Platform With Subject Tracking And Line-Following Navigation	202541088461 17-09-2025	Filed
78.	2025	Manakula Vinayagar Institute Of Technology	1. Dr A Thenmozhi 2. Mohamed Suhail. Y 3. S. K. Kishore	Rodent Repelling Device With Uv Light Illumination And High Frequency Sound Waves	202541088462 17-09-2025	Filed

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