



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to Pondicherry University

Accredited by NBA & NAAC 'A' Grade

Kalitheerthalkuppam, Puducherry - 605107

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CONSOLIDATED SHEET OF PATENTS

Sl.No	Year	Patents		
		Total No. of Patents Filed	Patents Journal Published	Patent Granted
1	2021	10	09	01
2	2022	10	05	-
		20	14	01

This Status can be verified at

<https://ipindiaservices.gov.in/Publicsearch/PublicationSearch/ApplicationStatus>

Dr. R. VALLI

Head, R & D Cell

Manakula Vinayagar Institute of Technology
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PRINCIPAL

MANAKULA VINAYAGAR
INSTITUTE OF TECHNOLOGY,
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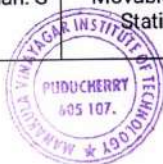
List of Patents registered/accepted:

- ☒ Total No. of Patents Filed : 20
- ☒ Patent Journal Published : 14
- ☒ Patent Awarded : 1

S.N o	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	Published
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	Published
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
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
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	Published
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



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	Published
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	Published
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
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	Published
12.	2022	Manakula Vinayagar Institute Of Technology	V. Rajesh Kumar Dr. S. Arunmozhi	Authentic Signature Verification Device	202241041121 19-07-2022	Published
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
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
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	Published



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	Filed
17.	2022	Manakula Vinayagar Institute Of Technology	Mr. V. Rajesh Dr. S. Arunmozhi	An Adjustable Automated Eye Drops Dispenser	202241076641 29-12-2022	Filed
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	Filed
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	Filed
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	Filed


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CONSOLIDATED SHEET OF DESIGN PATENTS

Sl.No	Year	Patents		
		Total No. of Patents Filed	FER	Total
1	2021	54	54	54
2	2022	15	15	15
		69	69	69

This Status can be verified at

<https://ipindiaservices.gov.in/Publicsearch/PublicationSearch/ApplicationStatus>

[Signature]

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List of Design Patents Registered/Accepted:

❖ Total No. of Design Patents Filed : 69

❖ Design Patent Awarded : 69

S.No.	Year	Applicant name	Patent details	Application No. & Date of Registration	Status (Awarded/ Filed)
1.	2021	Dr. S. Arunmozhi Dr. S. Vinoth J. Franklin K. Mahendran	Smart Shopping Card with Label Reading Scanner for Visually Impaired	346460-001 20/07/2021	Granted
2.	2021	Dr. S. Arunmozhi Dr. S. Vinoth J. Franklin K. Mahendran	Smart Shopping Assistant with Label Reading Scanner for Visually Impaired	346461-001 20/07/2021	Granted
3.	2021	Dr. R. Sofia G. Sharmila M. Sivasindhu S. Karthika	Apparatus for Healing Diabetic Foot Ulcer	346462-001 20/07/2021	Granted
4.	2021	Dr. R. Sofia G. Sharmila M. Sivasindhu S. Karthika	Portable Foot Ulcer Healing Device	346462-002 20/07/2021	Granted
5.	2021	D. Mhanapriya I. Varalakshmi D. Lubin Balasubramanian P. Sivaprassath	Smart Medicine Dispenser	346466-001 20/07/2021	Granted
6.	2021	D. Mhanapriya I. Varalakshmi D. Lubin Balasubramanian P. Sivaprassath	Smart Medicine Dispenser with Multiple Tablet Organizer	346467-001 20/07/2021	Granted
7.	2021	Dr. R Valli K. Manojkumar G. Seenuvasan K. Sridaran P. Shanthanisri V. Lavanya	Saline Infusion Flow Adjuster and Level Monitoring Alarm with Integrated Stand	346468-001 20/07/2021	Granted
8.	2021	Dr. R Valli K. Manojkumar G. Seenuvasan K. Sridaran P. Shanthanisri	Saline Infusion Flow Adjuster and Level Monitoring Alarm	346469-001 20/07/2021	Granted

		V. Lavanya			
9.	2021	V. Rajesh K. Kumaran R. Sambath Kumar S. Gowshameed	Hand Gesture Interpreter for Speech & Hearing Impaired Persons(SET)	346470-001 20/07/2021	Granted
10.	2021	V. Rajesh K. Kumaran R. Sambath Kumar D. Muruganandhan	Hand Gesture Interpreter for Speech & Hearing Impaired Persons	346470-002 20/07/2021	Granted
11.	2021	Dr. G. Renuka Devi M. Abilash Dr. R Valli D. Muruganandhan	Portable Gravity Powered Electricity Generator	346471-001 20/07/2021	Granted
12.	2021	Dr. G. Renuka Devi M. Abilash Dr. R Valli D. Muruganandhan	Gravity Based Electricity Generator	346472-001 20/07/2021	Granted
13.	2021	Dr. P. Sivasankaran	Screwless Machine Vice	346475-001 20/07/2021	Granted
14.	2021	Dr. P. Sivasankaran	Screwless Machine Vice with Fine Adjuster	346476-001 20/07/2021	Granted
15.	2021	R. Priya Dr. R Valli Dr. C. Shanmuga Sundaram S. Rajkumar	Solar Biomass Integrated Crop Dryer	346477-001 20/07/2021	Granted
16.	2021	R. Priya Dr. R Valli Dr. C. Shanmuga Sundaram S. Rajkumar	Portable Solar Biomass Integrated Crop Dryer	346478-001 20/07/2021	Granted
17.	2021	R. Saranya Dr. S. Pariselvam Dr. M. Jayekumar V. Srivathsan	Smart Rocking Cradle	346479-001 20/07/2021	Granted
18.	2021	R. Saranya Dr. S. Pariselvam Dr. M. Jayekumar V. Srivathsan	Portable Smart Cradle	346480-001 20/07/2021	Granted
19.	2021	V. Selvi R. Indumathi Dr. N. Palanivel P.Sathiyandarayanan	Smart Pet Feeder	346481-001 20/07/2021	Granted
20.	2021	V. Selvi R. Indumathi Dr. N. Palanivel P.Sathiyandarayanan	Portable Smart Pet Feeder	346482-001 20/07/2021	Granted
21.	2021	Dr. A. Meiappane K. Vijiyakumar A. Punitha P. Mathivanan	Automatic Sensor Based Sliding Doors	347150-001 02/08/2021	Granted
22.	2021	Dr. P. Sivakumar Dr. A. Meiappane	Automatic Projector Screen with Lifting System	347151-001 02/08/2021	Granted

		R.K.santhiya			
23.	2021	Dr. P. Sivakumar J.Prabavathi S. Uthayashangar K. Vijiyakumar	Automatic Sliding Door with Image Sensing Camera	347152-001 02/08/2021	Granted
24.	2021	Dr. R Valli K. Manojkumar V. Lavanya K. Sridaran P. Shanthanisri	Smart Wearable Healthcare Monitorium Ring with Elastic Expansion	347153-001 02/08/2021	Granted
25.	2021	Dr. R Valli K. Manojkumar V. Lavanya K. Sridaran P. Shanthanisri	Wearable Patient Health Monitoring Device	347153-002 02/08/2021	Granted
26.	2021	K. Premkumar P. mathivanan Dr. A Meiappane M. Suresh	Pressure Cooker Whistle Counting Device	347154-001 02/08/2021	Granted
27.	2021	K. Vijiyakumar Dr. A Meiappane P. Mathivanan K. Premkumar	Gas Stove with Portable Storage Cabin	347155-001 02/08/2021	Granted
28.	2021	M. Suresh S. Uthayashangar J. Prabavathi A. Punitha	Writing Board with Curling LED Projector System	347156-001 02/08/2021	FER
29.	2021	P. Mathivanan K. Premkumar K. Vijiyakumar P. Sivakumar	Solar Powered GPS Dog Collar	347157-001 02/08/2021	Granted
30.	2021	S. Uthayashangar A. Punitha Dr. P. Sivakumar J. Prabavathi	Portable Pressure Cooker Whistle Counting Device	347158-001 02/08/2021	Granted
31.	2021	J. Prabavathi Dr. P. Sivakumar M. Suresh Dr. A Meiappane	Gas Stove with Lifting System	347159-001 02/08/2021	Granted
32.	2021	A.Punitha M. Suresh K. Premkumar S. Uthayashangar	GPS Dog Collar	347160-001 02/08/2021	Granted
33.	2021	R. Karthikeyan Dr. B. Radjaram M. Sridhar S. Buvaresh S. Sureshkrishna	Drilling Machine with Coolant Injector	347161-001 02/08/2021	Granted
34.	2021	Manakula VinayagarInstitute of Technology D. Muruganandhan S. Rajkumar,	Battery Management System for Solar Energy	350904-001 07/10/2021	Granted

		R. Muthunagai, J. Vijaya Raghavan, D. Balaji,			
35.	2021	Manakula VinayagarInstitute of Technology S. Gowshamed & E. Ramasamy, R. Vithiya, K. Alamelu, Dr. R. Sofia,	Portable IOT Based Plant Health Monitoring System	350905-001 07/10/2021	Granted
36.	2021	Manakula VinayagarInstitute of Technology D. Muruganandhan & S. Rajkumar R. Muthunagai J. Vijaya Raghavan D. Balaji	Battery Management System for Solar Energy	350906-001 07/10/2021	FER
37.	2021	Manakula VinayagarInstitute of Technology S. Gowshamed & E. Ramasamy, R. Vithiya, K. Alamelu, Dr. R. Sofia,	Smart Plant Health Monitoring system	350907-001 07/10/2021	Granted
38.	2021	Manakula VinayagarInstitute of Technology Yuvan Prabhu & Kirupaa Sriram. V, Monika. J, Jayapriya. B,	Smart Gloves with Flexi Sensor for Remote Operation	350908-001 07/10/2021	Granted
39.	2021	Manakula VinayagarInstitute of Technology Yuvan Prabhu & Kirupaa Sriram. V, Monika. J, Jayapriya. B,	Smart Serving Trolley using Gesture sensor Gloves (SET)	350909-001 07/10/2021	Granted
40.	2021	Manakula VinayagarInstitute of Technology D. Balaji & Dr. C. Shanmuga Sundaram, Dr. K. Sedhuraman, R. Muthunagai, J. Vijaya Raghavan,	Smart Home Electric Power Management System	350910-001 07/10/2021	Granted
41.	2021	Manakula VinayagarInstitute of Technology D. Balaji &	Home Electric Power Management	350910-002 07/10/2021	FER

		Dr. C. Shanmuga Sundaram Dr. K. Sedhuraman R. Muthunagai J. Vijaya Raghavan			
42.	2021	Manakula Vinayagar Institute of Technology Dr.P.Sivasankaran	Automated Guided Vehicle for Material Handling	355961-001 31/12/2021	Granted
43.	2021	Manakula Vinayagar Institute of Technology D.Mary Getsy & Others	Smart Health Monitoring Jacket for Security Force	355962-001 31/12/2021	Granted
44.	2021	Manakula Vinayagar Institute of Technology Dr.G.Renuka Devi & Others	Smart Patient Assisting Device and Receiver Alarm(SET)	355963-001 31/12/2021	Granted
45.	2021	Manakula Vinayagar Institute of Technology Dr.G.Renuka Devi & Others	Handheld Social Distance Alerting Device	355963-002 31/12/2021	Granted
46.	2021	Manakula Vinayagar Institute of Technology Dr.R.Valli & Others	Biometric Attendance System with Touch-Free Body Temperature Screening	355964-001 31/12/2021	Granted
47.	2021	Manakula Vinayagar Institute of Technology Dr.R.Valli & Others	Patient Health Monitoring Smart Gloves	355965-001 31/12/2021	Granted
48.	2021	Manakula Vinayagar Institute of Technology Dr.S.Arunmozhi & Others	Smart Assisting Walking Stick for Blind Person	355966-001 31/12/2021	Granted
49.	2021	Manakula Vinayagar Institute of Technology G.Balamurugan & Others	Automatic Vehicle Registration Plate Identifying Device	355967-001 31/12/2021	Granted
50.	2021	Manakula Vinayagar Institute of Technology I.Varalakshmi & Others	Device for Detecting Diseased Leaves in Plant by Image Processing	355968-001 31/12/2021	Granted
51.	2021	Manakula Vinayagar Institute of Technology K.Mahendran & Others	Smart Face Mask Detecting and Body Temperature Screening Device with Display(Set)	355969-001 31/12/2021	Granted
52.	2021	Manakula Vinayagar Institute of Technology	Clay Lamp Molding Press	355970-001 31/12/2021	Granted

		Ms.R.Priya & Others			
53.	2021	Manakula VinayagarInstitute of Technology V.Rajesh & Others	Water Quality Monitoring and Controlling Device	355971-001 31/12/2021	Granted
54.	2021	Manakula VinayagarInstitute of Technology D.Mary Getsy & Others	Health Monitoring Wearable Device	356045-001 03/01/2022	Granted
55.	2022	Manakula VinayagarInstitute of Technology Dr. G.Renuka Devi & Others	Wearable Social Distance Alerting Device	356046-001 03/01/2022	Granted
56.	2022	Manakula VinayagarInstitute of Technology Dr. G.Renuka Devi & Others	Smart Calling Device For Patient And Receiver Alarm (Set)	356046-002 03/01/2022	Granted
57.	2022	Manakula VinayagarInstitute of Technology Dr. S. Arunmozhi	Smart Walking Stick For Visually Impaired	356047-001 03/01/2022	Granted
58.	2022	Manakula VinayagarInstitute of Technology Dr.R. Valli & Others	Smart Health Monitoring Gloves (SBT)	356048-001 03/01/2022	Granted
59.	2022	Manakula VinayagarInstitute of Technology G.Balamurugan & Others	Device for Automatic License Plate Recognition of Moving Vehicles	356049-001 03/01/2022	Granted
60.	2022	Manakula VinayagarInstitute of Technology Ms. R. Priya & Others	Mud Lamp Making Press	356050-001 03/01/2022	Granted
61.	2022	Manakula VinayagarInstitute of Technology R.Rajesh & Others	Mart Plant Health Monitoring Device	356051-001 03/01/2022	Granted
62.	2022	Manakula VinayagarInstitute of Technology V.Rajesh & Others	Device to Manage and Monitor the Water Flow and Monitor the Distribution of Water	356052-001 03/01/2022	Granted
63.	2022	Manakula VinayagarInstitute of Technology V.Rajesh & Others	IOT Based Face Mask Detecting and Body Temperature Measuring Device	356052-002 03/01/2022	Granted
64.	2022	Manakula VinayagarInstitute of Technology	Face Recognizing Biometric Attendance System with Touch-Less Body Temperature Scanner	356053-001 03/01/2022	Granted

		Dr. R.Valli & Others			
65.	2022	A. Sankaran T. Prithiviraja R. Raghul S. Vignesh Kumar	Automatic Vehicle Tracking Device	356119-001 04/01/2022	Granted
66.	2022	Dr. R. Valli K. Manojkumar V. Lavanya	Wi-Fi Refrigerator Temperature Monitor	366107-001 15/06/2022	Granted
67.	2022	Dr. R. Valli K. Manojkumar V. Lavanya	Portable Non-Contact Thermometer	366107-002 15/06/2022	Granted
68.	2022	Dr. R. Valli K. Manojkumar V. Lavanya	Wall Mounted Thermometer	366107-003 15/06/2022	Granted
69.	2022	Dr. R. Valli K. Manojkumar V. Lavanya	Refrigerator Temperature Sensor	366107-004 15/06/2022	Granted

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Head (R&D)

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