

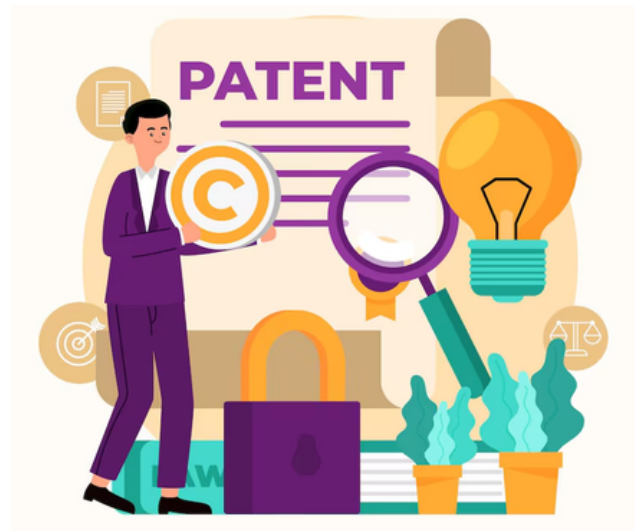


SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)



RESEARCH & DEVELOPMENT CELL

PRODUCT PATENTS





Research and Development cell
SMVEC Product Patent Details-2023

List of Patents registered/accepted:

- ❖ Total No. of Patents Filed : 19
- ❖ Patent Journal Published : 19
- ❖ Patent Granted : 04

S.No	Year	Applicant Name	Inventors name	Patent Title	Application No & Date of Registration	Status (Awarded/ Filed)	Department
1.	2023	Sri Manakula Vinayagar Engineering College	Dr. V. S. K.Venkatachalapathy Dr. L. Saravanan Dr. K. Velmurugan Manikandan. A Muraligowthaman. S Vishnu Prasanth. S Vignesh. S	Design And Fabrication Of Three Axis Pneumatic Modern trailer	202341043218 28/06/2023	Published	Mech
2.	2023	Sri Manakula Vinayagar Engineering College	Dr.V.S.K.Venkatachalapathy Dr. R.Ravisankar Dr.K.Velmurugan Deshwin.J Krishna.A Karthik.K Vigneshwaran.S	Automatic Multi-Purpose Welding Device	202341043219 28/06/2023	Published	Mech
3.	2023	Sri Manakula Vinayagar Engineering College	Dr.V.S.K.Venkatachalapathy Mr.P.Sathiaprathap Dr.K.Velmurugan	Automatic Hydraulic Jack Inbuilt In A Four Wheeler system	202341043221 28/06/2023	Published	Mech

			J.Kirubakaran R.Prasath M.Vasanthakumar N.D.Velmurugan				
4.	2023	Sri Manakula Vinayagar Engineering College	Dr.V.S.K.Venkatach alapathy Mr.P.Sathiaprathap Dr.K.Velmurugan N. Lakshminathan Madhavan.M P. Naveen S. Surendhar	Design And Fabrication Of Air Driven Engine	202341043222 28/06/2023	Published	Mech
5.	2023	Sri Manakula Vinayagar Engineering College	Dr.V.S.K.Venkatach alapathy Dr. K.Hemalatha Dr.K.Velmurugan Praburaj.S Rajesh.D Sivaprasath.P Vigneshwaran.P	3d Printer Filament Making Machine Using Waste Plastic	202341043223 28/06/2023	Published	Mech
6.	2023	Sri Manakula Vinayagar Engineering College	J.Soundararajan K. Jambulingam V. Logisvary V. Prasannavasan S .Balavinayaga E. Kiruthivaas M. Naveen	Anti-Theft System For Automobile Wheels Using Super stroke Solenoid	202341043225 28/06/2023	Published	ECE
7.	2023	Sri Manakula Vinayagar Engineering College	Dr. P.Raja Dr. N. Saranya Dr. S. Ashok Kumar	Frequency Selective Surface (Fss) Based Cpw-Fed Monopole antenna For Microwave Imaging Application	202341043228 28/06/2023	Granted	ECE
8.	2023	Sri Manakula Vinayagar	Dr. N. Saranya Dr. P. Raja	A Compact Iot Based Automatic Rover System For	202341043234 28/06/2023	Published	ECE

		Engineering College	Dr. S. Ashok Kumar B. Agarvin R. Logesh G. Chandranath C.R. Ajaydev	Industrial Tank monitoring And Maintenance			
9.	2023	Sri Manakula Vinayagar Engineering College	R. Kalaiyarasan S. Mohanram N. Sundar Ganesh V. Surender V. Vigneshwaran P. Saravanan	Nomex As An Anti-Flammable Protection For Batteries Inelectric Vehicles	202341043237 28/06/2023	Granted	ECE
10.	2023	Sri Manakula Vinayagar Engineering College	Dr.V.S.K.Venkatach alapathy Mr. K. Navanitha Krishnan Dr.K.Velmurugan Priyadharsan.S Jeffrey Miller.J Ram Prasath.R Jeeva Muralitharan.P	Semi-Automatic Glasscup Washing Dispenser	202341043238 28/06/2023	Published	Mech
11.	2023	Sri Manakula Vinayagar Engineering College	Dr. R. Saravanan Dr. R. Raju Dr. S. Balaji N. Kalaiselvi Dr. Puspita Dash Mr. R. Suresh	An Iot Based Household Water Leakagedetection Model	202341048865 20/07/2023	Published	IT
12.	2023	Sri Manakula Vinayagar Engineering College	Dr. S. Balaji Dr. R. Raju Dr. R. Saravanan N. Kalaiselvi Dr. Puspita Dash	E Vehicle Energy Consumption Predictionbased On Driver Behaviour	202341048880 20/07/2023	Published	IT
13.	2023	Sri Manakula Vinayagar	Mr. C. Adrien Perianayagam	Novel Air Compressor For Oxygenconcentrator	202341048884 20/07/2023	Published	EEE

		Engineering College	Dr. S. Anbumalar Anand.M.V Dhilipkumar.S Rasin.A Thamarai Selvan.S				
14.	2023	Sri Manakula Vinayagar Engineering College	Dr. D. Raja Dr. S. Anbumalar Delli Babu.S Aruleeswaran.P Athmajan.S Sharan.S	Ai Based Shoe Polishingmachine	202341048894 20/07/2023	Published	EEE
15.	2023	Sri Manakula Vinayagar Engineering College	Dr. S. Anbumalar Dr.P.Jamuna Dinesh Kumar M Hariharan S Hemamaalan C Kishore D	Coordinate Robots For Garmentindustry	202341048899 20/07/2023	Granted	EEE
16.	2023	Sri Manakula Vinayagar Engineering College	Mr. K. Thangaraj Mr. R. Ragupathy Annamalai. E Dinesh Babu. A Muthukumaran. R Sathyanarayanan. V	MI Based Mechanism Using Raspberry Pi Formother Board Cleaning Application	202341048902 20/07/2023	Granted	EEE
17.	2023	Sri Manakula Vinayagar Engineering College	Dr. S. Ganesh Kumaran Mr. S. Johnpowl Al Ashfak.M Vignesh.K Sethuram.S Thahaadhamsharif.N	Design And Fabrication Of Weight Scaledoil Expelling Machine	202341048904 20/07/2023	Published	EEE
18.	2023	Sri Manakula Vinayagar Engineering College	Dr. R. Raju Dr. S. Balaji Dr. R. Saravanan E. Rajkumar	A Secure Child Safety And Health Management System Using Iot	202341079789 24/11/2023	Published	IT

			Dr. Puspita Dash N. Kalaiselvi K. Anupriya G. Prabu				
19.	2023	Sri Manakula Vinayagar Engineering College	Dr. R. Raju Dr. S. Balaji Dr. R. Saravanan N. Kalaiselvi Dr. Puspita Dash K. Bhavani M. Lakshmiprabha E. Valarmathi B. Vijayakumar P. Praveenkumar	Iot Based Device For Efficient Protection Of Trees From Poaching	202341079792 24/11/2023	Published	IT



Research and Development cell
SMVEC Product Patent Details-2024

List of Patents registered/accepted:

- ❖ Total No. of Patents Filed : 15
- ❖ Patent Journal Published : 15
- ❖ Patent Grant : Nil

S.No	Year	Applicant Name	Inventors name	Patent Title	Application No & Date of Registration	Status (Awarded/ Filed)	Department
1.	2024	Sri Manakula Vinayagar Engineering College	Dr. S.B. Lenin E. Agilan T. Deepak Kumaar R. Gokulakrishnan	An Onboard Medical Dispenser System For passenger Wellbeing On The Tracks Using Iot	202441088935 18/11/2024	Published	ECE
2.	2024	Sri Manakula Vinayagar Engineering College	Mr. S. Mohanram Dr. N. Saranya R. Kalaiyarasan Natarajah. B Ram Prasath. R Velarasan. S	Measurement Of Cholesterol And Hemoglobinlevel Using Ppg Signals	202441088940 18/11/2024	Published	ECE
3.	2024	Sri Manakula Vinayagar Engineering College	Dr. P. Raja Dr. N. Saranya S. Mohanram Dr. R. Kalaiyarasan B. Vighneshwara R. Janani K. Raghavardhini	Wireless Battery Charging Via Footwear Basedpiezo-Electric Energy Harvesting	202441088947 18/11/2024	Published	ECE

4.	2024	Sri Manakula Vinayagar Engineering College	Dr. R. Kalaiyarasan S. Mohanram Dr. N. Saranya V. Akash R. Krishnaraj D. Logesh S. Maheswaran	Design And Implementation Of Micro strip Slot antenna For Medical Applications	202441088948 18/11/2024	Published	ECE
5.	2024	Sri Manakula Vinayagar Engineering College	Dr. R. Raju Dr. R. Saravanan Dr. S. Balaji Dr. Puspita Dash Mrs. N. Kalaiselvi Dr. R. Anandkumar Dr. K. Lakshmi Mr. T. Periyasamy Mr. T. Maheshwaran Mr. D. Prabhu Ms. L. Durgadevi	Nocturnal Solar Energy Using Ir Transmitter In Iot	202441091525 25/11/2024	Published	IT
6.	2024	Sri Manakula Vinayagar Engineering College	Dr. R. Raju Dr. S. Balaji Dr. R. Saravanan Dr. Puspita Dash P. Praveenkumar Dr. R. Anandkumar Mrs. N. Kalaiselvi Mrs. V. Padmapriya Mrs. C. Vanaja G. Prabu	Smart Energy Metering And Informed Decision Maker Based On Iot Technology	202441091526 25/11/2024	Published	IT
7.	2024	Sri Manakula Vinayagar Engineering College	Dr. S. Ganesh Kumaran Dr. S. Anbumalar Mr. I. Shivasankkar Mrs. A. S. Amathullah	Image-Based Stone Detection And Removal Indiamond Mining	202441093010 28/11/2024	Published	EEE
8.	2024	Sri Manakula Vinayagar	Mr. S. Johnpowl Dr. P. Jamuna	Cost Efficient Approach For Power	202441093011 28/11/2024	Published	EEE

		Engineering College	Mr. C. Adrien Perianayagam Ms. T. Abinayasaraswathy	generation From Biogas			
9.	2024	Sri Manakula Vinayagar Engineering College	Dr. S. Anbumalar Mr. J. Muruganandham Dr. D. Raja Mr. S. Elanthamizh	Advanced Security Enabled Handbag For women	202441093012 28/11/2024	Published	EEE
10.	2024	Sri Manakula Vinayagar Engineering College	Mr. C. Adrien Perianayagam Dr. D. Sivaraj Mr. R. Ragupathy Mr. R. Vignesh	Automated Mosquito Coil Stand Deployment system	202441093013 28/11/2024	Published	EEE
11.	2024	Sri Manakula Vinayagar Engineering College	Dr. D. Sivaraj Dr. D. Raja Mr. B. Parthiban Mr. K. Thangaraj	Portable Medical Kit Using Peltier Effect	202441099380 16/12/2024	Published	EEE
12.	2024	Sri Manakula Vinayagar Engineering College	Dr. S. Anbumalar Mr. K. Thangaraj Mr. R. Ragupathy Mrs. D. Meena	Performance Evaluation Of Industrial Grid-Tied Solar Power Plant	202441099386 16/12/2024	Published	EEE
13.	2024	Sri Manakula Vinayagar Engineering College	Mr. G. Rajavel Mr. A. Janagiraman Mr. J. Muruganandham Mr. S. Elanthamizh	Automated Dimension Measuring Stopping System	202441099396 16/12/2024	Published	EEE
14.	2024	Sri Manakula Vinayagar Engineering College	Mr. K. Thangaraj Dr. D. Raja Dr. P. Jamuna Mr. I. Shivasankkar	Design Of A Hybrid Wind Turbine Combining Savonius And Darrieus Systems	202441099417 16/12/2024	Published	EEE
15.	2024	Sri Manakula Vinayagar Engineering College	Dr. S. Ganesh Kumaran Dr. P. Jamuna Mr. R. Vignesh Mr. J. Gnanavel	Intelligent Pet Feeding And Waste Management System	202441099421 16/12/2024	Published	EEE



Research and Development cell
SMVEC Product Patent Details-2025

List of Patents registered/accepted:

- ❖ Total No. of Patents Filed : 104
- ❖ Patent Journal Published : 104
- ❖ Patent Awarded : 02

S.No	Year	Applicant Name	Inventors name	Patent Title	Application No & Date of Registration	Status (Awarded/ Filed)	Department
1.	2025	Sri Manakula Vinayagar Engineering College	1. Mr. Mukeshkumar R 2. Dr. K. Velmurugan 3. Dr. L. Martin 4. Dr.S. Anbumalar 5. Dr.P. Jamuna 6. Mr.B.Parthiban	Endorest - Smart Dual Section Inflatable Positioning Device For Laryngoscopy And Endoscopy	202541054556 06-06-2025	Published	EEE
2.	2025	Sri Manakula Vinayagar Engineering College	1. Mr.W.Herwin 2. Mr.M.Sharan Kumar 3. Dr.S. Anbumalar 4. Dr.P. Jamuna 5. Dr.D.Raja 6. Mr.B.Parthiban	Eeg And Emg Signals Based Control Of Transhumeral Robotic Prosthetic Arm Using Nmf Algorithm	202541054557 06-06-2025	Published	EEE
3.	2025	Sri Manakula Vinayagar Engineering College	1. K.Vaishal Malu 2. Dr.J.Madhusudanan 3. Dr.M.Auxilia 4. Mrs.A.Ilakkia	Neuro Vibes: Revolutionizing Sensory Perception And Medical Diagnostics	202541055359 09-06-2025	Published	AI
4.	2025	Sri Manakula Vinayagar	1. A.Ruthresh 2. Dr. K. Velmurugan	Safemate-Ai-Integrated Wearabale	202541055360		Mech

		Engineering College	3. Dr. L. Martin 4. Mukeshkumar R	Device For Fall Prevention And Health Monitoring In Elderly People	09-06-2025	Granted	
5.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. P. Raja 2.Dr. N. Saranya 3. Dr.T. Deepa 4. B. Vighneshwara	Low-Cost Audio And Pir Signal Based Wild Boar Anomaly Detection And Crop Protection System	202541083124 02-09-2025	Published	ECE
6.	2025	Sri Manakula Vinayagar Engineering College	1.S.Mohanram 2.Dr. SB Lenin 3.Dr. 4.Vankayala Chethan Prakash 5.Guruju Satya Srisai Prasanth 6.Harish Kumar T 7.Jawaahar G	Iot And Lora Based Mountain Climber Assistance	202541083125 02-09-2025	Published	ECE
7.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. R. Kurinjimalar 2.Dr. P. Raja 3.Dr.P. Arunagiri 4.Dr.J. Pradeep	Medical Ortho Shoe Using Arduino Microcontrollers	202541083126 02-09-2025	Published	ECE
8.	2025	Sri Manakula Vinayagar Engineering College	1.Ganesan S 2.Dr. P. Raja 3.Hariharan S 4.Logesh S 5.Harish Jayaraaj S	Automated Linear Actuator System For Seamless Patient Transfer	202541083127 02-09-2025	Published	ECE
9.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. P. Raja 2.Dr. N. Saranya 3.Dr. T.Deepa 4.S. Jayanthi 5.Dr. R. Vijayarani 6.Jeeva.V 7.JagatheeshwaraMoorthy. C	Smart Coin-Based Mobile Charging System Using Image Processing	202541083128 02-09-2025	Published	ECE

			8.Hema Prasaad.M				
10.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. N. Saranya 2.Dr. P. Raja 3.Dr.T. Deepa 4.Navaneethakrishnan. V. M 5.K. Yuvashakkthi 6.S. Kamini 7.P. Rajasri	Adaptive Load Cell- Based Seat Detection System For Public And Private Transport Vehicles	202541083129 02-09-2025	Published	ECE
11.	2025	Sri Manakula Vinayagar Engineering College	1.Mr.K.Thangaraj 2. Dr.D.Raja 3. Mr.J.Muruganandham 4. Mr.S.Mugundhan	Electromagnetic- Acoustic Coupled System For Low- Noise Pmsm	202541083130 02-09-2025	Published	EEE
12.	2025	Sri Manakula Vinayagar Engineering College	1.Dr.S.Anbumalar 2.Mr.S.Lalith Kumar 3.Mr.Arokia Anandu Prasanthu .A 4.Mr.Vignesh.M 5.Mr.Dharani.E 6.Mr.R.Mukesh kumar	Smart Chlorine Testing Kit For Real- Time Water Quality Monitoring	202541083131 02-09-2025	Published	EEE
13.	2025	Sri Manakula Vinayagar Engineering College	1.Dr.S.Anbumalar 2.Mr.B.Parthiban 3.Mr.S.Johnpowl 4.Mr.G.Rajavel	Efficient Hydropower Generation Using Impulse Turbine	202541083132 02-09-2025	Published	EEE
14.	2025	Sri Manakula Vinayagar Engineering College	1.J.Soundararajan 2.Mahendra Peruman.P 3.S.Mohanram 4. Kogul S 5.K. Ranjithkumar 6.Prasanth B	Smart Heat Recovery Ventilator (Hrv) System With Dual Filtration For Optimal Indoor Air Quality	202541083133 02-09-2025	Published	ECE
15.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. D Sivanandakumar 2. Dr. P. Arunagiri 3. Dr.K Naveenkumar 4. Mr. J. Jeevanantham	Smart Battery Degradation Prediction For Hybrid Electric Vehicles	202541083173 02-09-2025	Published	ICE

			5. Dr.s.Sathiyapoobalan				
16.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. P. Raja 2.Dr. N. Saranya 3.Dr.T. Deepa 4.Navaneethakrishnan. V. M 5.Archana K 6.K. Rohith 7.V. Kiren 8.K. Pavithran	Vaccum System To Reduce Dust Pollution From Heavy Duty Vehicles	202541083174 02-09-2025	Published	ECE
17.	2025	Sri Manakula Vinayagar Engineering College	1.Mr.S.Johnpowl 2.Dr. S. Ganesh Kumaran 3.Mr.B.Parthiban 4.Mrs.T.Porselvi	Sustainable Energy Harvesting Technology For E- Bicycle	202541083175 02-09-2025	Published	EEE
18.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. P. Raja 2.Dr. N. Saranya 3.Dr. T. Deepa 4.S. Jayanthi 5.Yuvaraj. S 6.R. Arthy 7.S. Anbarasi 8.M.S. Vandhana	Visible Light Communication Enabled Smart Home	202541083176 02-09-2025	Published	ECE
19.	2025	Sri Manakula Vinayagar Engineering College	1.Dr.D.Raja 2.Dr.S.Anbumalar 3.Mr.G.Rajavel 4.Ms.T.Abinayasaraswathy	Sustainable And Affordable Blde Motor For Next Generation Electric Vehicles	202541083177 02-09-2025	Published	EEE
20.	2025	Sri Manakula Vinayagar Engineering College	1.Mr. S. Elanthamizh 2. Dr. D. Raja 3. Mr. J. Muruganandham 4. Mr. K. Thangaraj	Iot Enabled Device For Converting Pet And Hdpe Waste Into 3d Printer Filament	202541083178 02-09-2025	Published	EEE
21.	2025	Sri Manakula Vinayagar	1.Mr.S.Johnpowl 2. Dr.D.Sivaraj 3. Dr.S.Ganesh Kumaran	Blde Grinder With Integrated Fuzzy	202541083179 02-09-2025	Published	EEE

		Engineering College	4. Mr.I.Shivasankkar	Logic Torque Ripple Control			
22.	2025	Sri Manakula Vinayagar Engineering College	1.Mr. W. Godfrey Daniel 2. Dr. K. Naveenkumar 3. Dr. D. Sivanandakumar 4. Mr. J. Jeevanantham 5. Dr.S.Sathiyapoobalan	Lora And Iot Based Real Time Refinery Monitoring And Automated Control System	202541083180 02-09-2025	Published	ICE
23.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. P. Arunagiri 2. Dr. K. Naveenkumar 3. Mr. J. Jeevanantham 4. Dr.S.Sathiyapoobalan 5. Dr. D. Sivanandakumar	Smart Food Security With Integrated Spectral And Ph Sensing And Iot	202541083181 02-09-2025	Published	ICE
24.	2025	Sri Manakula Vinayagar Engineering College	1.C.Muthu Praba 2. Mrs T.Sudha 3. Dr. P. Arunagiri 4. Dr. M. Rekha	Power Generation Using Thermoelectric Generator Integrated With Solar Radiation	202541083182 02-09-2025	Published	ICE
25.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. R. Kalaiyarasan 2.S.Mohanram 3.Dr. N. Saranya 4.R. Suganthan 5.S. Gokulnathan 6.J. Gopinathan	Gas Leak And Gas Backflow Detection And Alert System For Public Safety	202541083201 02-09-2025	Published	ECE
26.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. R. Kalaiyarasan 2.Dr. P. Raja 3.Preetha A 4.Priya. R 5.T. Dharshini 6.V. Dhivya Lakshmi 7.J. Agalya	Automated Bike Stand System	202541083202 02-09-2025	Published	ECE
27.	2025	Sri Manakula Vinayagar Engineering College	1.Dr.R.Raju 2. Dr.R.Saravanan 3. Dr.S.Balaji 4. Dr. Puspita Dash 5. Mrs.N. Kalaiselvi	Fisherman Border Security And Alert System Using Iot And Lora Technology	202541083203 02-09-2025	Published	IT

			6. R.Suresh 7. Ms. L.Durgadevi 8. Poornambigai K 9. N. Nandhini				
28.	2025	Sri Manakula Vinayagar Engineering College	Dr.R.Raju 2. Dr.R.Saravanan 3. Dr.S.Balaji 4. Dr. Puspita Dash 5. Mrs.N. Kalaiselvi 6. R. Suresh 7. Mr. R. Vijaya Prabhu 8. Dr. N. Thilagavathi 9. M.Madhumitha 10. Ms. A. Sowbarnika	Digital Twin And Mixed Reality Integration For Optimized Boiler Operations	202541083204 02-09-2025	Published	IT
29.	2025	Sri Manakula Vinayagar Engineering College	1.Dr.P.Jamuna 2.Mr.R.Vignesh 3.Dr.D.Sivaraj 4.Mr.I.Shivasankkar	Iot Integrated Sericulture Assistant And Automatic Food Feeder	202541083205 02-09-2025	Published	EEE
30.	2025	Sri Manakula Vinayagar Engineering College	1.Mr.B.Parthiban 2. Dr.P.Jamuna 3. Dr.D.Sivaraj 4. Mr.B.Raghunath	Nmf-Based Brain- Controlled Bionic Arm With Integrated Home Appliance	202541083206 02-09-2025	Published	EEE
31.	2025	Sri Manakula Vinayagar Engineering College	1.Mrs.T.Sudha 2. Dr.P.Arunagiri 3. Ms.C.Muthuprabha 4. Dr.M.Rekha 5. Mrs.P.Kiruthika	Personalized Music Therapy For Stress Alleviation With Real-Time Monitoring And Digital Twins	202541083207 02-09-2025	Published	ICE
32.	2025	Sri Manakula Vinayagar Engineering College	1.Dr. S. Ganesh Kumaran 2.Dr.P.Jamuna 3.Mr.K.Thangaraj 4.Mr.R.Vignesh	Energy-Efficient Led Lighting And Smart Climate Control In Hydroponic System Of Vertical Farming Usi	202541083208 02-09-2025	Published	EEE

33.	2025	Sri Manakula Vinayagar Engineering College	1. Dr. V. S. K Venkatachalapathy 2. Dr. P. Raja 3. Dr. S. Dhivya 4. R. Priya 5. S. Jayanthi 6. M. Madhumitha 7. S. Jessena Rose 8. S. Mukkkesh 9. S. Thayanithy	Non-Invasive Jaundice Screening Device	202541083191 02-09-2025	Published	ECE
34.	2025	Sri Manakula Vinayagar Engineering College	1. Dr.M. Ganesan 2. Mr.D. Rajesh 3. Mr.Arokiaraj Christian St Hubert 4. Ms.V. Swathilakshmi 5. Mrs.S. Subashree	Air Bag Tracker	202541087511 15-09-2025	Published	CSE
35.	2025	Sri Manakula Vinayagar Engineering College	1. Dr. M. Shanmugam 2. Mrs. N. Suganya 3. Ms. V. Nivetha 4. Ms. A. Mohanapriya 5. Mrs. P. Nirmala Devi	Underwater Object Detection Using Yolov8 And Fastest R-Cnn	202541087512 15-09-2025	Published	CSE
36.	2025	Sri Manakula Vinayagar Engineering College	1. Dr. K. Naveenkumar 2. Dr. P. Arunagiri 3. Mr. W.Godfrey Daniel 4. Mr. J. Jeevanantham 5. Dr. D. Sivanandakumar 6. Dr.S. Sathiyapoobalan	Smart Shopping Trolley With Automated Billing And Payment System	202541087513 15-09-2025	Published	ICE
37.	2025	Sri Manakula Vinayagar Engineering College	1. Dr. M. Rekha 2. Ms. C. Muthuprabha 3. Mrs.T. Sudha 4. Dr.P. Arunagiri 5. Dr. K. Naveenkumar	Automatic Fire Detection And Control Using Projectile Extinguishing	202541087514 15-09-2025	Published	ICE
38.	2025	Sri Manakula Vinayagar	1. Mr. J. Jeevanantham 2. Dr. K. Naveenkumar	Micro Controller Based Automated	202541087515 15-09-2025	Published	ICE

		Engineering College	3. Dr. P. Arunagiri 4. Dr. S. Sathiyapoobalan 5. Dr. D. Sivanandakumar	Anti-Collision Braking System			
39.	2025	Sri Manakula Vinayagar Engineering College	1. J. Jeevanantham 2. Dr.K. Naveenkumar 3. Dr.M. Rekha 4. Mrs.T. Sudha	Enhance Cstr System Performance Using Hybrid Control Strategies With Intelligent Optimization	202541087516 15-09-2025	Published	ICE
40.	2025	Sri Manakula Vinayagar Engineering College	1. Dr. D. Sivanandakumar 2. Dr. P. Arunagiri 3. Dr. K. Naveenkumar 4. Mr. J. Jeevanantham 5. Mr. W.Godfrey Daniel	Health Monitoring And Fault Detection In Power Distribution Transformer Using Scada	202541087517 15-09-2025	Published	ICE
41.	2025	Sri Manakula Vinayagar Engineering College	1. Dr. P. Raja 2. Dr. N. Saranya 3. Dr.T. Deepa 4. S. Mohanram 5. Dr. R. Kalaiyarasan 6. Jagannath. R 7. Jeevaneshvar. S 8. Kaarthikeyan. R	Smart Shopping Cart System With Barcode Scanner And Item Removal Functionality	202541087518 15-09-2025	Published	ECE
42.	2025	Sri Manakula Vinayagar Engineering College	1. Dr. P. Raja 2. Dr. N. Saranya 3. Suseendhar. P 4. Dhanapathi. J 5. Dr .C.A. Sathiyamoorthy 6. R. Harsshita 7. A. Hemapriya 8. S. Jayasre	Detection And Prevention Of Foot Boarding In Public Transportations	202541087519 15-09-2025	Published	ECE
43.	2025	Sri Manakula Vinayagar Engineering College	1. Mrs.N. Radha 2. Dr.A. Vijayalakshmi 3. Mr.P. M. Bharath	Early Detection And Smart Pain Relief Device For Varicose Vein Using Iot	202541087542 15-09-2025	Published	CSE

			4. Dr.A.V. Srinath 5. V Dhivya				
44.	2025	Sri Manakula Vinayagar Engineering College	1. Dr.A. Vijayalakshmi 2. Mr P M Bharath 3. Dr.A. V. Srinath 4. Mr.A. Aravind 5. M.Janani	Next Generation Smart Bandages With Ai-Driven Solutions For Chronic Wound Management	202541087543 15-09-2025	Published	CSE
45.	2025	Sri Manakula Vinayagar Engineering College	1. Mr.A. Arvind 2. Mr. M. Vadivelan 3. Mrs.T. Logasundari 4. Mrs.S. Suguna 5. R. Rajaprakash	Automated Phlebotomy Sampler	202541087544 15-09-2025	Published	CSE
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49.	2025	Sri Manakula Vinayagar Engineering College	1. Mr. M. Vadivelan 2. Mr. A. Aravind 3. Mrs. S. Suguna 4. Mrs. N. Radha	Self Operative Creatinine Test Kit	202541087548 15-09-2025	Published	CSE

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101.	2025	Sri Manakula Vinayagar Engineering College	Dr. P. Raja Dr. N. Saranya S. Mohanram Dr. R. Kalaiyarasan	Reconfigurable Bandnotch Filter For Cognitiveradio In Defense Electroveil	202541132800 29.12.2025	Published	ECE
102.	2025	Sri Manakula Vinayagar Engineering College	Dr. P. Jamuna Balaji. A Kishore Kumar. S Elanchezhiyan. S	Compact Energy Storage Device With Enhancedlithium-Ion Cell Design	202541132801 29.12.2025	Published	EEE
103.	2025	Sri Manakula Vinayagar Engineering College	Dr. D. Raja Mr. J. Muruganandham Mr. I. Shivasankkar Dr. D. Sivaraj	Smart Digital Bulletin System Using Iot	202541132802 29.12.2025	Published	EEE
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Research and Development cell
SMVEC Product Patent Details-2026

List of Patents registered/accepted:

- ❖ Total No. of Patents Filed : 08
- ❖ Patent Journal Published : 08
- ❖ Patent Awarded : Nil

S.No	Year	Applicant Name	Inventors name	Patent Title	Application No & Date of Registration	Status (Awarded/ Filed)	Department
1.	2026	Sri Manakula Vinayagar Engineering College	Dr. P. Raja Dr. T. Deepa Dr. N. Saranya Dr. R. Kalaiarasan Sandhya. I Vindhiya. M	Ece Patent- Iot Based Flour Grinder Residue Detection Andauto-Cleaning System	202641000042 01/01/2026	Published	ECE
2.	2026	Sri Manakula Vinayagar Engineering College	Dr. V. S. K Venkatachalapathy Dr. K. Velmurugan Dr. A. Thiagarajan Mr. S. Prakash Arulganesh S Natchathra S Nanthini A Aaron Raphael C	Thunaivan A Wifi Based Smart Safety And Location Assistance Bandwith Web Monitoring System	202641019693 20.02.2026	Published	Mechatronic
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7.	2026	Sri Manakula Vinayagar Engineering College	Dr. P. Arunagiri Dr. K. Naveenkumar Dr. D. Sivanandakumar Dr. M.Rekha Mrs. T. Sudha	Mems Based Energy Harvesting For Industrial Application	202641019698 20.02.2026	Published	ICE

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