

SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

SRM Nagar, Kattankulathur-603 203



PATENT DETAILS

21.04.2025

Status	Total
Granted	34
Published	140
Filed	40
TOTAL	214

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**PATENT DETAILS**

21.04.2025



S No	Name of the Inventors	Name of the Co-Inventors	Title	Application No.	Patent Filed date	Current Status (FILED/PUBLISHED/GRANTED)
DEPARTMENT OF AI&DS						
1.	Muthusenthil Balasubramanian	Chellavelu Vijayakumaran	All in one Portable Smart Pill Box - A Design Of Smart Pill Kit	518268	31.07.2018	GRANTED 01/03/2024
2.	Dr. S.Ravikumar	Dr. Usha Batra Dr. Jaskiran Kaur Dr. Ravi Pratap Singh Ms. G.Kanthimathi Ms. Lakshmi Thangavelu Dr. Monica Apte Dr. Tapan Kumar Sahu Soubhik Bagchi Dr. S V G V A Prasad	IoT based Baby Cradle	367142-001	03-07-2022	GRANTED

		Dr. Lakshmi D				
3.	Dr. S.Ravikumar	Dr. Usha Batra Dr. Jaskiran Kaur Dr. Ravi Pratap Singh Ms. G.Kanthimathi Ms. Lakshmi Thangavelu Dr. Monica Apte Dr. Tapan Kumar Sahu Soubhik Bagchi Dr. S V G V A Prasad Dr. Lakshmi D	Infant Warmer	367143-001	03-07-2022	GRANTED
4.	Dr. S.Jeyalakshmi	Dr. S. Narayanan Dr. S. Sekar Mr. R. Sankaranarayanan	Multi Sensory Input Data Exchange by Virtual Reality Over 5G	202141030897A	09-07-2021	PUBLISHED
5	Dr.S.Jeyalakshmi	Vivekanandan Govindarajan, Nithya Devi S M, Rathnavel, Dr. S. Sekar Mrs.R.Lakshmi, Mrs.P.Nithya, R. Sankaranarayanan	AI and IoT Based Predictive Maintenance System to Identify Human Activity of Mentally Challenged People to Ensure the Security and Stages of Activity using Sensors	202341061394	12.09.2023	Published 06.10.2023
DEPARTMENT OF CIVIL & AGRI						

1	Dr. A. Leema Rose Dr. D. Elango Dr. S. Sureshbabu Mr. J. Arunraj Christadoss	Dr. S. Joe Patrick Gnanaraj	Solar-Powered Concrete Mixer Device	406422-001	02/02/2024	Published
2	Dr. A. Leema Rose	Dr. L. K. Rex, Dr. V.S. Sethuraman, Dr. D.S. Vijayan,	Burnt Ash From Hazardous Prosopis Juliflora Plant as a Pozzolanic	202041026629 A	24/06/2020	Published
3	Dr. A. Leema Rose	D.S. Vijayan S.P. Sangeetha J. Revathy S. Arvindan P. Gajalakshmi	Manufacture of Green Concrete by Partial Replacement of Ferrock Powder as an Alternative to Conventional Cement	2020104412	31/03/2021	Granted
4	Dr.D.Elango	Dr. S. Sureshbabu Dr.Leemarose Mr.Arunraj Christadoss	New long life Technology of building construction	202241050429	03.09.2022	Published
5.	Dr. A. Leema Rose, Sattainathan Sharma. A, Dr. S. Suresh babu, Dr. D. Elango, Mr. N. Vinoth kumar, Ms. K. Suganya Devi	Dr. A. Leema Rose, Sattainathan Sharma. A, Dr. S. Suresh babu, Dr. D. Elango, Mr. N. Vinoth kumar, Ms. K. Suganya Devi	Smart Grouting Injection Device with Flow Control System	438255-001	23/11/2024	Published
6	SRM Valliammai Engg college	Dr.S.Packialakhshmi Mr.K.Karthick Mr.Pon Kiran babu Ms.VK .Nidisha Ms.Suguna Mr.Viswa	Design of water hyacinth Eradicator	202541015835	24.02.2025	Published
7	SRM Valliammai Engg college	Dr.N.Vairam Mino Arul selvan Priyanka.V Ramya.M	Design and fabrication of GSM based smart sustainable storage system for Tomato	202541019546	05.03.2025	Filed

		Subiksha K				
8	SRM Valliammai Engg college	Mr.K.Karthick Dr.S.Packialakhshmi Harish Raj S Guru Prasana S Priyadarshini R.Sivakami	Design and fabrication of fruit harvesting robot	202541019513	05.03.2025	Filed
9	SRM Valliammai Engg college	Ms.P.Dhivya P.Prasanth S.Jayasri Gokula Priya P Varsha TR	Experimental analysis on automatic Irrigation system using GSM module	202541020612	07.03.2025	Filed
10	SRM Valliammai Engg college	R Dinesh R Harish S Kuralarasan S Madumitha V Gopi Krishnan	Design and fabrication of smart apiculture system	202541025735	21.03.2025	Filed
11	SRM Valliammai Engg college	Dr.D.Elango P Dhivya R Abinaya V Sneha S.Sundaravadivel M.Surenther	An integrated approach to two stage composting of the organic fraction of municipal solid waste	202541024436	19.03.2025	Filed
12	SRM Valliammai Engg college	Dr E Maheswari Dr.S.Packialakhshmi M Ajay BK Darshan deep SA Shameel Asvith C Vignesh	Design and testing of IoT based automatic feeder for sericulture			Filed

13	SRM Valliammai Engg college	A Sattainathan sharma Dr A Leema rose Dr D Elango P Dharmakani S Prasanna P santhoshraja KK Virginia	Upcycled PET plastic: Turning waste into wealth for sustainable concrete solutions	202541025751	21.03.2025	Filed
14	SRM Valliammai Engg college	R.Karthick V Raveena N Thamizh Kumaran B Kathir	Design of spirulina farming system	202541025742	21.03.2025	Filed
DEPARTMENT OF CSE						
1	SRM Valliammai Engg college	M.Sophiya Sugantha Grace Abdul Basith Arun pandian J Abarna M Aarthi R	Beyond Touch: Eye Gaze and gestures reshape human computer interaction	202541034647	09.04.2025	Filed
2	SRM Valliammai Engg college	Dr A Samyurair S Srivatsan Surekha B Thirugnanamoorthy IM	AI driven Ultra sound technology for wildlife deterrence and monitoring	202541033309	04.04.2025	Filed
3	SRM Valliammai Engg college	Dr M Mayurnathan Varshain GS Saran V Shriprasad S Sivadarshan M RG	Vision Transformer and Mask R – CNN based ensemble model for trash segmentation	202541032498	02.04.2025	Filed
4	SRM Valliammai Engg college	Dr C Pabitha A Prajitha V Shamirtha R Vignesh	Safe tracker combines safety and tracking capabilities using computer vision	202541025891	21.03.2025	Filed
5	SRM Valliammai Engg college	Dr A.Samyurair Ms.A.Lalitha A Manivanan	Smart meeting platform with Real time emotion analysis using Artificial Intelligence	202541023383	17.03.2025	Filed

		M Pranavh Balaji				
6	SRM Valliammai Engg college	Dr.S.Venkatesh R.Sudharsan M Sharanragalingam M.Vaishnav	Novel AI based ensemble technique for efficient training of deep neural network on brain tumor detection	202541021756	11.03.2025	Filed
7	Dr.G.Kumaresan	Ms.M.Priyadharshini Ms.S.Shanthi, Dr.G.Sangeetha Ms.M.Mohanapriya Dr.A.Samydurai-	IOT BASED AGRICULTURAL WEATHER STATION FOR FORECASTING CROP YIELDS	439180-001	02.12.2024	Granted
8	Dr.V.Dhanakoti	Mr.P.Siranjeevi Dr.V.Dhanakoti Mr.J. Madhu Karthick Dr.V.Sathya Mr.A.Arunpandiyam Dr.B.N.Karthik Mr.R.Sankaranarayanan Ms.M.Kavitha Ms.V.Abarna	Adaptive Intrusion Detection System Using AI And Blockchain For Enhanced Network Security	202441076782 A	09/10/2024	Published
9	Ms. M.Priyadharchini Dr. C.Pabitha Dr. Vanathi.B Dr, Shanmugam K	Ms. M.Priyadharchini Dr. C.Pabitha Dr. Vnathi.B Dr, Shanmugam K	A Robotic Arm To Process Of Physiotherapy postures And Monitoring The Patent Continuously	202441053254	26.07.2024	Published
10	Mr. D. Richardson	Mr. D. Richardson	IOT Based Advanced Smart Cradle For Baby Monitoring System	23.04.2024/5864/ 202441032067	23.04.2024	Published
11	Dr.M.Mayuranathan	DR S.U.Suganthi DR.G.P.Bharathi DR.M.Mayuranathan MS.G.Akilandasowmya MR.M.S. Ulaganathan DR.R.Prabha	Smart Street Light	367894-001	18/072022	Granted Design Patent No: 367894- 001 Dated:19.01.2 023

12	Dr. A. Samydurai	Dr. A. Samydurai Dr.K.Revathi	IOT based portable physiological sign Monitor	201941050124	05/12/2019 Date of Grant: 27/03/2024	Granted Patent No:530418 27/03/2024
13	Dr.B.muthusenthil	1.Dr.B.muthusenthil 2.Dr.Chellavelu Vijayakumar	All in one portable smart pill box - a Design of smart pill kit	201841028737	31/07/2018 Date of Grant: 01/03/2024	Granted Patent No: 518268 01/03/2024
14	Dr. M. Senthilkumar	1.Dr. B. Chidhambararajan 2.Dr. M. Senthilkumar 3.Shenbagavadivu S	A trendy digitalizer-runs on docker for Digitalization of tamil content	202241007891	15/02/2022 15/02/2024	Granted Patent No: 511136 15/02/2024
15	Dr. C.Pabitha	Dr.K.Revathi Dr.C.Pabitha Dr.W.Gracy Theresa Dr.Pornpimol Chawengsaksopark Dr.Mithileysh Sathiyarayanan	Wireless Emotion Detection System	421556-001	28.06.2024	Granted Design Patent No:3451556-001
16	Dr. C.Pabitha	Dr. C.Pabitha Dr. P. Narmatha Dr. Moorthy.C Dr. A.Harshavardhan Dr. D.Christy Sujatha	IOT-Integrated Smart Glasses Frame	398818-001	30/10/2023	Granted Design Patent No:398818-001
17	Dr. K. Shanmugam	N. Pradeep GA Mohana Priya GA Praveena Shivaam	“Next gen self driving Safety with pothole detection via ai and Yolo V8 deep Learning”	202441022202/4470	22.03.2024	Published
18	Mr.N.Leo Tennisson	Bright J.Madhuvanthi S.Naveen K.Naveena	Crowd Monitoring System Using Machine Learning	202441022115	22.03.2024	Published

19	Dr.C.Pabitha	Ms. Pushpa B Dr.C.Pabitha . Khiumajuliu Abonmai Dr. A.Harshavardhan Dr. T.K. Balaji Dr.Soundararajan.S	Lung Cancer Detection Device	Design No.391256-001	26/07/2023	Granted Design Patent No:391256- 001
20	Dr.C.Pabitha	1)DR.C.PABITHA 2)V.NALINA 3)M.NANDHINI 4)I.RAJALAKSHMI	IOT based intelligent door lock ingress control system with digital Notification	202341028241 A	05/05/2023	Published
21	Mr.N.Leo Tennisson	Bright Kanuparthi saranya K.Kavibharathi D.Manoranjani	Smart protection system in Agricultural fields	202341030569 A	16.06.2023	Published
22	Dr.K.Devi	Syed Anas Ahmed S.Sreejith R.Yuvankumar	Rash Driving Analyser using Machine Learning and Deep learning	202341028673 A	16.06.2023	Published
23	G. Sangeetha	S. Harsha vardhan S. Shantha kumar D. Varun	Human activity realisation using dnn classifier and feature analysis	202341028245 A	05.05.2023	Published
24	Ms. A. Vidhya	Ayaan gouse M. Bhubesh M. Hemavathy	Deep learning and remote sensing: waste detection using uav data in a bounded geographical area	202341029461 A	05.05.2023	Published
25	Dr. B. Vanathi	Sashrutha .m Swetha .b Ramya .r	Smart answer paper evaluation system using convolutional recurrent neural networks & gated recurrent units	202341029398 A	05.05.2023	Published
26	Dr. B. Muthusenthil	M. Logeshwaran M. Logeshwaran J.muthtamiz selvan	Smart phone based autonomous vision enabled waste segregator	202341028499 A	05.05.2023	Published
27	Dr. B. Muthu senthil	Mummaneni sravani Konduru theja sree Krithik shri .m.p	Plant life: An autonomous robot for plant disease diagnostic system using deep learning	202341028247 A	05.05.2023	Published

28	Dr. G. Kumaresan	R. Ranjith M. Sabarish J. Samuel jayaraj S. Suryakumar	Music recommendation system based on emotion detection using deep convolutional neural network	202341028387 A	05.05.2023	Published
29	Dr. K. Devi	S. Manikandan B. Karthikeyan M. Karna Konduru gajendra raju	Cryptomining based toll collection and charging station system for smart transportation	202341028500 A	05.05.2023	Published
30	L. Bharathi krishna	K. Snega K. Sneha V. M. Suryeah	Sentiment analysis of stock using news headlines	202341028386 A	05.05.2023	Published
31	Dr.S.Benila	R.Karan Kumar N.Karthik Raja M.Kavi Mukilan	Rear end Object Detection and alarm for smart Transporation	202341028383 A	05.05.2023	Published
32	Dr.S.Benila	Dr.K.Devi	Smart rescue vehicle location detection and alarming system	202341011402 A	20.02.2023	Published
33	Mr.K.Shanmugam	Dr.B.Vanathi Dr.C.Pabitha	Extraction of tamil inscriptions for character recognition using convolutional deep learning	202341005768 A	30.01.2023	Published
34	Dr.C.Pabitha	Dr.B.Vanathi A.Vidhya S.Suma	Classification of architectural heritage images using deep learning techniques.	202241043147A	28.07.2022	Published
35	Mr.N.Leo Bright Tennisson Nelson	--	Support vector Machines for Rocks & structures	202241040830	18.07.2022	Published
36	Dr. A.Samydurai	Reshma.S Senthil Kumar.V Varsha.V	Varicose Veins Patient Monitoring and Automated Treatment	202241027343	17/06/2022	Published

37	Dr. G.Kumaresan	Revathi.P Shruthi.S Shruthi.S	Masquerade Detection Using Machine Learning	202241028131	17/06/2022	Published
38	Dr. B.Muthusenthil	Niharika.E Nikil Sharan.P Solai Raj.M	Smart Vision Enabled Low Cost Autonomous Robot	202241027957	17/06/2022	Published
39	Mr.Sudarsanam	Raghavendra Rao.D Sakthi Vell.V Sakthi Vignesh.P Sudharsan.M	Reconnaissance of Cyber threats and Clairvoyance of cyber attacks in an in-House Network Infrastruct	202241028192	17/06/2022	Published
40	Mr. K. Shanmugam	Maithri.V Priya Dharshini.B Vaishnavi.K	Image Enhancement of Night Time Vehicle Detection for Acquiring It's Particularities	202241027996	17/06/2022	Published
41	Ms. G. Sangeetha	Vignesh.N.M Suriya.K Shameel.R	Integrated Farmer Supply Chain Stakeholders using Blockchain	202241027520	17/06/2022	Published
42	Mr. T. Rajesekaran	Subbulakshmi.B Vimalraj S Vishnupriya.B	Blockchain Based Web Application for Developing Digital Check Detect and Prevent Fake Cheque.	202241028133	17/06/2022	Published
43	Dr. K.Devi	Karthickeyan.P Nikesh.V Sanjay.V	Iot Based Food Freshness Detection Using Convolution Neural Network	202241027273	27/05/2022	Published

44	Dr. A.Samydurai	Methun.R Sabarinathan.B Visal.V	Block Chain and Crypto Implemented	202241029327	27/05/2022	Published
45	Dr. V.Dhanakoti	Naresh Kumar.S Roopana S Papana Ratnapradeep Reddy	Voice Tuned Orator	202241027990	27/05/2022	Published
46	Dr. B.Muthusenthil	R. Monika Parveen.H Sathish.M	Deep Learning Model to analyze the attentive of Crowd using pose Estimation, Person and Eye Det	202241027965	27/05/2022	Published
47	Dr. B.Vanathi	Rex Peter.G Sunil Kumar.S Sakthevel.B	Multi Level Secure Transaction Using Facial Authentication And Random Pin Generation	202241027952	27/05/2022	Published
48	Dr.M.SenthilKumar	Dr.B.Chidhambararajan Mrs.S.Shenbagavadivu	A Trendy Digitalizer –Runs on Docker for digitalization of tamil content	202241007891	15.02.2022	Granted Patent No:511136
49	Dr.A.Samydurai	Dr.B.Muthusenthil Dr.G.Kumaresan Dr.K.Devi	Deep learning-based emotion recognition model for online tutoring system	202241006587	08.02.2022	Published
50	Dr.S.K.Saravanan	Dr.T.V.Ramana Ms.R.Kalpana V.Athappan Dr.N.Manikandan Dr.R.Thiyagarajan Mr.I.Mohan	AI Based Virtual Assistant for Mentally Retraded People with Voice Enabled Intelligence	202241004116A	04.02.2022	Published

		Mr.Grish G.Patil				
51	Dr.M.SenthilKumar	Dr.B.ChidhambararajanMrs. S.Shenbagavadivu	A system and method for providing an ai & ml based smart interface expansion card device	202141053090 A	03.12.2021	Published
52	Dr. S. Parthasarathy	Dr. Hariom Puniya . Dr.Shyam Shukla Dr. D. Ranjith Kumar Dr. Ashok Kuma Dr. AnujGoel Mrs.Divya Manoharan	Information technology systems implementation to improve adoption and reduce failure rate in international business	202141046614	29.10.2021	Published
53	Dr.D.Kavitha	G.Ahamed Zeeshan Nidhi Sinha R.Sundaragure N.Yashwanth K.N.Nagesh R.Chiranth B.N.Aravind B.H.Yogeshwary Sanjit Ponnuswamy Krishnajegan	Decentralized data Storage and Processing method for automatic Wireless Network Authentication in IOT System	2021103108	07.07.2021	Granted
54	Mrs.C.Pabitha	Dr.B.Vanathi	A Hybrid system for skin burn image classification and severity grading and its Method thereof	2021101300	21.04.2021	Granted
55	Dr. B Vanathi	.Dr. N Malarvizhi Dr. S. Sasikala Dr. Neeba E A Dr. V. Keerthika Mrs. Aswathy R.H	Joint pain treatment system: joint pain treatment and notification using doctors experience and iot-based system.	202041057132	15.01.2021	Published

56	Mrs.S.Shanthi	Dr. Rejina Parvin Jameel Abdul Nassar Dr. Karthika Saravanan Mrs. Vanitha Udayakumar Mrs. Sivaranjani Subramani Dr. Karnam Chandrakumar Ramya Dr. Sheeba Rani Gnanamalar	IoT enabled smart cart billing system with block chain	202041000388 A	17.01.2020	Published
57	Dr. A. Samydurai	Ms. K. Revathi	IoT Based Portable Physiological Sign Monitor	201941050124	05.12.2019	Granted Patent No:530418
58	Mr.Prabakaran.A	Uvan Shankar.M Rathina Karthi.T Tintu Mathew	Curbing Theft By Altering Sim Tray Mechanism And Power Button Function	201941024089	18.06.2019	Published
59	Mrs.S.Shanthi	S. Sheeba Rani Gnamalar. T. J.,Janet, K.C.Ramya, K.Vinothkumar, K.Geetha, J.B.Rizwana, V.Kamatchi Sundari, B.Sangeetha, S,Baskaran, L.Kannapiran	Non Isolated Bi-directional Converters with Coupled Inductors (NBDCCI) for hybrid Electric Vehicle (HEV) Applications	PCT/IN2019/ 050392	16.5.2019	Published
60	Dr.D. Kavitha	B. Indhuja L. Gayathri K. Dhanalakshmi	Smart Agricultural Assistant For Animal Monitoring	201941000621	07.01.2019	Published
61	Dr.V.Dhanakoti	Rajeshwari Sivasubramanian	Automated system for detecting leakage and flaws in large network of underground pipelines	201841045703	04.12.2018	Published

62	Dr.B.Muthusenthil	Dr.C.Vijayakumaran	ll in one Portable smart Pill Box-Adesign of Smart Pill Kit	201841028737	31.07.2018	Granted. Patent No:518268
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DEPARTMENT OF CYBER SECURITY

1	R. Sivasankari	1)Jishnu Prasad 2)Samadhan Somnath Zalte 3)Meena Sachdeva 4)Ramesh Pandharinath Daund 5)Dr. Mandeep Kaur Purba 6)Dr Abhishek Kajal 7)Neerav Nishant 8)Trivedi Uday Nandlal 9)Dr. Vijay Kumar Salvia 10)Mrs.Radha Pranav Sali 11)Dr. Hemlata	Social Internet of Things Based technique to Monitor the Ethical Hacking and Cyber Security Aspects	202341014628	04/03/2023	Published
2	S. Tamil selvi	Dr.M. Senthilkumar Dr.P.Visalakshi Dr.B.Chidambararajan	OPTIONS ATTACK DETECTION AND CLASSIFICATION IN WSN USING BSEM ALGORITHM	202341036853	29/05/2023	Published
3	R. Sivasankari	S.Giridharan E.Rajkumar	An IOT Based Intelligent Footwear for the Visually Impaired People	2023341042916	27/06/2023	Published
4	S.Senbagavadivu	Dr.S.K.Susee Dr.M.Senthil Kumar Dr.B.Chidambararajan S.Sankar Kailas	System and Method for Optimized Crop Recommendation and Soil Texture Classification	202441067646 A	13/09/2024	Published

DEPARTMENT OF ECE

1	SRM Valliammai Engineering College	Dr.N.Jothy Dr.J.Premalatha Dr.C.Amali Dr.K.Durgadevi	IoT based wearable device for remote health monitoring	451757-001	17.03.2025	Filed
2	SRM Valliammai Engineering College	Dr.S.R.Preethi Dr.S.Komala James Ms.K.Arthi Ms.S.Abirami	IoT sensor network for environmental monitoring	451758-001	17.03.2025	Filed
3	SRM Valliammai Engineering College	Mr.Senthil Murugan Dr.C.Saravanna Kumar Mr.A.Pandian Mr.S.Marirajan	Cryptographic device for secure communication	451759-001	17.03.2025	Filed
4	SRM Valliammai Engineering College	Dr.C.Saravana Kumar Dr.N.Subhashini	Method and system for secure data transmission using DNA based audio signal encryption	202541019501	05.03.2025	Filed
5	SRM Valliammai Engineering College	N.Subhashini Kathir Mukilan P Infant Rakshana Jeyavarshini N Jeyasuriya N	Ensemble algorithm based predictive analysis of air quality using ZPHSO1B Sensor	202541016757	26/02/2025	Filed
6	SRM Valliammai Engineering College	N.Subhashini Neelamegam	Low power cooperative communication with node level energy harvesting for environmental monitoring	202441068146A	10.09.2024	Published
7	SRM Valliammai Engineering College	N.Subhashini C.Saravanakkumar V.Sureshkumar Komala James	Compressive Sensing Based Agricultural Field Monitoring System	202341053120	08.08.2023	Published
8	Dr. Murugan Mahalingam Dr. S. R. Preethi	Dr. A.R. Revathi	A Universal remote for IoT devices	372599-001	15.10.2022	Published
9	Dr.C.Saravanakumar	Dr.M.Ravikiran, Y Mohana Roopa, Dr.Manjot Kaur,	Visual Tracking Of Indoor Flying Advanced Auto Monitor Robots	202241060941	26.10.2022	Published

		Pratik Kumar Dubey, Mr.Sanjaykumar Mahadeo Ingale, Dr. Namita Arya,				
10	Dr. C. Amali, Dr. N. Subhashini,	Mr. R. Rajesh, Mr. S. Mythrayan	Reward Based Eco-Friendly Framework For Sustainable Waste Management System	202241058316 A	12.10.2022	Published
11	Dr. M.Murugan	Dr. Pramod Uttamrao Chavan Prof. Pratibha Pramod Chavan Prof. Vivek Dattarm Ghanekar Dr. R.Ramadevi	Hardware Abstraction Layer For Heterogeneous Distributed Control Systems.	202221054160	22.09.2022	Published
12	Dr.C.Saravanakumar	Neve Gaurav Rajendra, Yousef Methkal Abd Algani, Dr. S. M. D. Mathuravalli, Goutam Banerjee, Dr. Jitesh Rajendra Neve, Dr.K.Dhayalini, Dr. Panem Charanarur, Subhash Yalavarthy, Dr. Brijesh Sathian	AI Based Smart Health Care System to Predict and Early Stage Prevention of All types of Diabetes for All Ages Using Machine Learning Algorithms and Deep Learning Algorithms for Healthy Life.	202221044586	04.08.2022	Published
13	Dr. S. R. Preethi Mrs. K.Arthi	Dr. A.R. Revathi	Feeding Bottle With Temperature Display	358025-001	07.02.2022	Granted
14	Dr. N. Subhashini	Dr. M. Murugan Dr. Usha Bhanu N. Dr. C. Amali	Radio Frequency Energy Scavenging System For Sustainable Power To Health Care Devices	202241008212	16.02.2022	Granted

15.	Dr.G.Udhayakumar	Dr.V. Suresh Kumar Dr. S.C. Prasanna Dr. Komala James	IoT Based Fuel Level Measurement and Tracking Of Vehicle	202241006821	09.02.2022	Published
16.	Dr. N. Usha Bhanu Mr. C. Saravanakumar	Dr.Pokkunuri Pardha Saradhi Dr.Raghava Yathiraju Sreedevi S Chitransh dixit Pankaj Sahu Rakesh Patel	Machine Learning Based Diagnosis of Chronic Kidney Disease in Diabetes Patients	2021107110	25.08.2021	Granted (Australian Patent)
17.	Dr.V.Suresh Kumar	Dr.S.Rooban Dr.R.Manimegalai Dr.Nagalakshmi Venugopal	Design System Using AES Data Security In Field Programmable Gate Arrays (FPGA) For Autonomous Robot	202141033794 A	27.07.2021	Published
18.	Dr. N. Usha Bhanu Mr.C. Saravanakumar	Dr.S Sivasubramanian Dr.G.Manikandan Dr.G. Bhuvaneswari Dr. N. Kumaresan R.Venkatasubramania Dr.I.Jerin Leno Mr.Saravanan A Mrs. Thirupurasundari Mrs.A Hemlathadhevi Mr. C Ramesh Kumar Bibhu Prasad Ganthia Dr. Glorindal Selva	IOT Based Wearable Wireless Volume Control Device For Any Electronic Gadgets	202041049423 A	12.11.2020	Published
19.	Dr.C.Amali	Prof N.Kanniyappan Prof .C.Anandhan Dr. P.G.V. Ramesh Prof.M.Vijay K.Priyadharshini Prof S.Bashyam Prof R. Senthil Kumar Dr.S.Kumarganesh	IOT Based Smart Wearable Child And Womens Safety Device	202041049152 A	10/11/2020	Published

		Dr.K.Murugan Dr.T.Yuvaraja Prof K.Jayaram S. Sathish Kumar				
20.	Dr. S. R. Preethi Dr. M. Murugan	Dr. A.R.Revathi S. Shunmuga Raman Ponsy R K SathiaBhama	AI Based Control Adaptive Automation System	202041044014	09.10.2020	Published
21.	Dr. S. Ramesh	C.T. Manimegalai R. Raju N. Vijayalakshmi Arulnathisivam swaminathan Radhika.K.S.R Dhiravidachelvi.E	Design and Implementation of a Disaster Management System Using IoT and Cloud Computing Techniques For a Connected Buildings To Save Lives With Early Warnings	2020101867	18.08.2020	Granted (Australian Patent)
22.	Dr.S.Ramesh	Dr.S.Anbu Karuppusamy Dr. P.Sivakumar Dr. M. Shoukath Al Dr. M. Senthil Kumar S.Murugaveni B.Priyalakshmi Dr.S.Anbu Karuppusamy Dr. P.Sivakumar Dr. M. Shoukath Ali Dr. M. Senthil Kumar S.Murugaveni B.Priyalakshmi	Wireless Mesh Networks Lifetime Maximization For Machine To Machine	201941052842 A	19.12.2019	Published
23.	Dr.N.Usha Bhanu	Uday Shilton R. Tamil Selvan	Automated Attendance Management System	201841018255 A	16/05/2018	Published
24.	Dr. Murugan Mahalingam	Hendre Vaibhav Shantharam Deshmukh Madhukar Mohan Rao	Method and System For Transmit Antenna Selection With Optimum Combining in Cognitive Radio Network Under the Impact Of	2036/MUM/2015 A	26/05/2016	Published

			Aggregate Interference			
DEPARTMENT OF EEE						
1	Dr.R.Karthik	NIL	An Effective methodology to improve the Dielectric Performance of Mineral oil using Nanoparticles	201841019049	22.05.2018	Published
2	Mr. J.Liney Ajay	NIL	Structural co-ordination of object	201941011919	14.06.2019	Published
3	Dr.K.Elango	Dr.S.Malathi Dr.T.Santhosh Kumar Dr.R.Arivalagan	Smart Emergency stretcher coupled BT-controlled cleaning robot	202241007320 A	18.02.2022	PUBLISHED
4	Dr.R.Arivalahan	Ms.R.V.Preetha Mr.S.Balaji Mr.P.Tamilarasan	Blockchain Technology For Undisclosed Distant Messaging Using Wireless Sensor Networks And Internet Of Things	202341007713 A	17.02.2023	Published
5	Dr.S.Malathi	Mr.G.Karthikeyan, Mr.A.Jaishankar,	Development Of Smart Metering For Socio-Economic Sustainability By Theft Detection	202341029466	24.04.2023	Published
6	M.Lingeshwaran	NIL	Smart Farm	202341028496	19.04.2023	Published

7	Dr.R.Karthik Dr.S.Malathi Ms.R.Elavarasi Mr.K.Ragul Kumar	NIL	PRECISION ANIMAL TRACKING STRAP IN AGRICULTURE USING NEAR FIELD COMMUNICATION	436901-001	09.11.2024	Granted
DEPARTMENT OF EIE						
1	SRM Valliammai Engineering College	P Tamilmani Dr.V.Srinivasan S.Dhanush kumar A Manikandan G Sabari	IoT driven Microseismic sensing system and monitoring platform for landslide detection	202541036705	16.04.2025	Filed
2	SRM Valliammai Engineering College	Dr.K.Ayyar Harini preetha K Preetha sree K Priyadarshini S Subashini R	Surveillance wearable safety device for woman using Raspberry Pi	202541021225	10.03.2025	Filed
3	SRM Valliammai Engineering College	Dr.M.Banu sundareswari Rohan Beno R.Srinivasan AT Sriram Thamizhkumar M	Shape memory alloy based glove for hand Rehabilitation	202541023773	18.03.2025	Filed
4	SRM Valliammai Engineering College	Dr.M.Joe Marshall R.Lalesiekamani S.Priyanka V.Veena shri Yuvarani P	Smart waste management	202541021639	11.03.2025	Filed

5	SRM Valliammai Engineering College	K Jaibhavani Parameswaran B Abiramana VS Elakiya M Yuvasree N Tariq A	Sustainable smart system for Hydroponic farming	202541021643	11.03.2025	Filed
6	SRM Valliammai Engineering College	Dr.S.Visalakshi C.Praveen kumar R Amrutha Vahini A Kathir J Mokesh S Surya Prakash	Smart shopping Trolley with Billing system	202541033857	07.04.2025	Filed
7	B.PARAMESWARAN	R. Sabarinathan, D. Pavithra & M.A. Saravanan	IoT Based Food and Grain Condition Traceability System	202341079917	24/11/2023	Published
8	K.S.JAIBHAVANI	Dr S. Visalakshi	Piezoelectric Vibration Energy Harvesting Device	374747001	28/11/2022	Granted
9	Dr. K. AYYAR	Dr.L.Selvam, G.Gokilakrishnan, Dr. Rahul Ratnakar Mahamuni, Dr. Yuvaraj Duraisamy, R.Tamilarasi,Ashirbad Sahoo, Sanjay Singh Thakur,Dharmbir Singh, SajithKumar.R, Dr.SonuMishra,Dr. Virendra Gomase	Smart and safe gas flow pipeline based on IOT for cooking appliances	202241007263	11/02/2022	Published
10	Dr. S. VISALAKSHI	Dr. R. Umamaheswari	Monolithically integrated thin-film solar cell charger for electronic gadgets	2020101896	19/08/2020	Granted

11	Dr. S. VISALAKSHI	Mr. BalaVignesh.M Mr. Chockalingam.G Mr. Jayasuriya.V Mr. Karthikeyan.S	Smart helmet with augmented reality for energy industries	202041006868	18/02/2020	Published
12	Dr. R. UMAMAHESWARI	Mr. Chandru.P.S Mr. Karkilan.R Mr. Loga Prakash.C Mr. Mohan Kumar.V	Novel method of aqua condensation using renewable energy	202041006863	18/02/2020	Published
13	Dr. R. UMAMAHESWARI	Ms. Hemamalini.V.P Ms. JerushaA.Devadason Ms. Karpagameenakshi.G Ms. Muthumonisha.D	Self sanitizing robot in toilet cleaning system	201841032459	30/08/2018	Published
14	Dr. S. VISALAKSHI	Mr. Divya Bharathi.C Mr. Karthik Raja.N Mr. Mohan Babu.G	Balanced vessel motion of marine vehicles using stewart	201841011610	06/04/2018	Published
15	Dr. R. UMAMAHESWARI	Mr. Karthikeyan, A Ms. Baghya.V Mr. M.Dinesh	Integrated portable solar charging and energy storage device	201841006570	21/02/2018	Published
16	Dr. S. VISALAKSHI	Ms. SOPHY RHODA.V Ms. SUNDARESWARAN.S Ms. SUWETHA.P Ms. MANJARI.N	Internet of things based hybrid agricultural cultivator	201741027795	04/08/2017	Published
DEPARTMENT OF IT						
1	Dr.A.R.Revathi	Ms.S.Srinidhi	Locomotive Detection of Idols	201841016921A	04.05.2018	Granted
2	Dr.S.Ravikumar	Dr.S.Kavitha Ms.B.Indhuja Ms.L.Gayathri Ms.K.Dhanalakshmi	Smart Agricultural Assistant for Animal Monitoring	201941000621A	07.01.2019	Published

3	Dr.S.Narayanan	-	Ground Water Monitoring and Water Level Management System Using IoT	201941039312	28.09.2019	Published
4	Dr.S.Ravikumar	Dr.S.Kavitha Mr.C.Sathiyavel Dr.C.Rajesh kumar Ms.C.Ancy Dr.P.Duraipandi Dr.A.Pandian Dr.P.Srinivasa Varma Dr.Vijay Dr.R.Thandaiahprabhu Mr.V.Yokesh Ms.Benisha.M Dr.M.Bavanilatha Ms.G.Renuka Devi	Wristwatch Based Health Monitoring System	202041012393A	22.03.2020	Published
5	Dr.A.R.Revathi	Mr.S.Shunmuga Raman	AI Based Control Adaptive Automation System	202041044014A	09.10.2020	Published
6	Dr.D.Sridevi	Mr.Ashok Ms.Umadevi Mr.K.Guru Ms.V.Selvalakshmi Mr.J.Anand Mr.S.Raja	BLOCK CHAIN BASED RICE ATM	2020102839	18.10.2020	Granted
7	Dr.S.Ravikumar	Mr.C.Sathiyavel Ms.G.Renuka Devi Mr.H.R.Divakar Ms.V.LMalini Ms.J.Nirmaladevi Mr.Mohammed Ali Mr.U.Nagappa U Bhajantri Mr.M.H.SIDRAM Ms.R.Karthika Devi	IOT based Virtual Students Monitoring System by Using TF Plus Mini Lidar Sensor	2021100210	13.01.2021	Granted

8	Dr.S.Narayanan	Ms.V.Geetha Dr.Vinodkumar Jacob Dr.Manojkumar Gupta Dr.Takesh kumar Arora Mr.T.N Shanavas Ms.R.S.Kavitha	Dynamic Real Time Protocol for Media Streaming in IoT Devices	202141029586	01.07.2021	Published
9	Dr.S.Jeyalakshmi	Dr.S.Narayanan Dr.S.Sekar Mr.S.Sankara narayanan	Multi-Sensory Input Data Exchange By Virtual Reality Over 5G	202141030897A	09.07.2021	Published
10	Dr.A.R.Revathi	Dr.D.Sridevi Ms.SRIVIDHYA E Dr. KISHORE VERMA S Ms.SONYA A Mr.GOKULAKRISHNAN Mr.S MURUGANATNHAM A Mr.ABRAR AHMED K Ms.JAYANTHI S Ms.RANJANA S Ms.MYTHREYI N R Dr. MANIKANDAN J	A System of Computer Vision and Machine learning for optical character Recognition'	202141031333A	13.07.2021	Published
11	Mrs.S.Shenbagavadivu	Dr.B.Chidhambararajan Dr.M.Senthil kumar	A System and Method For Providing an AI & ML Based Smart Interface expansion Card Device	202141053090 A	18.11.2021	Published
12	Dr.A.R.Revathi	Dr.B.Chidhambararajan Dr.S.R.Preethi Ms.K.Arthi Dr.S.Sridevi	FEEDING BOTTLE WITH TEMPERATURE DISPLAY	358025-001	07.02.2022	Granted
13	Mrs.S.Shenbagavadivu	Dr.B.Chidhambararajan Dr.M.Senthil kumar	A Trendy Digitalizer-Runs on Docker for digitalization of Tamil Content	202241007891	15.02.2022	Granted

14	Dr. S. Ravikumar	Dr.Chockalingam Devanathan Dr.Subramanian Boopathi	Unmanned Intelligent Patrol Electric Vehicle with IOT Integrated platform	202022101428	17.03.2022	Granted
15	Ms. C. Jeeva	D.Aishwarya, B.Gracelin Sheena, J.Briskal, D.Senthil Kumar, M.Vijayakumar, R.Asha, Abitha V K Lija, G.Kavitha, P.S.Anu Rakhi	A secure block-chain based medical Internet of Things healthcare management system	202241064064	25.11.22	Published
16	Dr.D.Sridevi	Dr,N.Kavitha, Dr.P.Muthu Krishnammal, Mrs.M.Shanmathi.	Electronic glove for women safety	385772-001	08.05.23	Published
17	Dr.S.Sekar	Mr.Vivekanandan Govindarajan,Ms.Nithya Devi S M, Mr.Rathnavel, Mrs.R.Lakshmi, Mrs.P.NithyaMr.R.Sankaran arayanan.	AI and IOT based predictive maintenance mentally challenged people to ensure sensors	202341061394	12.09.23	Published
18	Dr.D.Sridevi	B.Divya K.Vijayalakshmi S.Revathi Dr.R.Thenmozhi T.Suganya Dr.G.Shanmugaraj L.Kannagi	Back Recovery Protocolbased Multi-Agent Planning for the Fault Tolerance of Composite Cloud	202341068987	13.10.23	Published
19	Mrs.S.Shenbagavadivu	Dr.S.K.Susee Dr.M.Senthil Kumar Dr.B.Chidhambhararajan	System and Method for Optimized Crop Recommendation and Soil Texture Classification	202441067646	06.09.24	Published
20	Dr.S.Narayanan	Dr.D.Sridevi Dr.T.Isaiyarasi Dr.V.Vijayalakshmi Dr.S.Bhooma A.Karpagam	IoT-Based Smart City Traffic Control System	426275-001	09.08.24	Granted

DEPARTMENT OF MECH

1	Dr.K.Sivakumar	Dr.T.Sampathkumar	Automatic removal of suspended sediments in drainage pipe line	201941017451	02/05/2019	Published on 02/08/2019
2	Dr.K.Sivakumar	1. Mr.C.Elanchezhian 2. Mr.Raghuram Pradhan 3. Mr.K.Venkatraman 4. Mr.V.M.Manickavasagam 5. Mr.D.Muruganandam 6. Mrs.J.Jayapriya 7. Mr.C.G.Mohan 8. Mr.V.Raviraj 9. Mr.S.Karthick	Reinforced Particulate Aluminium metal matrix composite and process for making the same	201941052771 A	19/12/2019	Published on 03/01/2020
3	Dr.K.Sivakumar	1. Mr.A. Dhanalakshmi 2. Mr.S. Kathiresan 3. Mr.Raghuram Pradhan 4. Mr.L. Saravana Kumar 5. Mr.S. Manikandan 6. Mr.K. Arunan 7. Mr.G. Thilagavathi 8. Mr.S. Mohan 9. Mr.S. Krishnaraj	Waste heat into electricity	201941052773 A	19/12/2019	Published on 03/01/2020
4	Dr.S.Thirugnanam	1. Mr.K.Velmurugan 2. Mr.C.Jayabalan 3.Mr.T.Dharmaprabhakaran 4. Mr.K.Vetri Velmurugan 5. Mrs.B.Karthikeyan 6. Mrs.Balakrishnan	Composite LPG cylinder using GFRP with Al Alloy matrix	202141025442 A	08/06/2021	Published on 25/06/2021
5	Dr.S.Thirugnanam	Dr.S.Thirugnanam	Analysis of the influence of reinforcements on machining characteristics of Al8011	202241007885	15/02/2022	Published on 25/02/2022

6	Mr.G.Rajesh	Mrs.G.Rajesh	Design and Development of Regenerative Electrical Bicycle using weight Lifting Electro Magnetic Coil Braking system	202241051491	09/09/2022	Published on 16/09/2022
7	Mr.J.P.Ramesh	1. Mrs.G.Sivaraj 2. Mrs.J.P. Ramesh 3. Mrs.M.S. Parath	Dust removing system of car	374281-001	17/11/2022	Filed on 17/11/2022
8	Dr.S.Suresh Pungaiah	1. Mr.V.Narasiman 2. Dr.S.Suresh Pungaiah 3. Mrs.Mahalakshmi 4.Mr. Arun chandran 5. Mr.Chirag Mehra 6 .Mr.S.Kannan	Experimental Investigation of DI Diesel Engine Performance With Oxygenated Additive and Some Biodiesel	202211069770	02/12/2022	Published on 09/12/2022
9	Mrs.N.Nithya	Mrs.N.Nithya	Design and development of MR damper for machining al based metal matrix composites.	202241070750	8/12/2022	Published on 30/12/2022
10	Mr.R.Ashok	Mr.R.Ashok	Design and development of Wheel based pipe inspection robot	202341023058	29/03/2023	Published on 21/04/2023
11	Mr.S.Sivasankar	Mr.S.Sivasankar	Clockwise double twisting copper sharp edge square prism rib with inline multiple elliptical holes	202341024581	31/03/2023	Published on 21/04/2023
12	Mr.R.Ashok	Mr.R.Ashok	Improved cooling and aerodynamics for electric vehicles	202341035379	22/05/2023	Published

13	Dr.S. Thirugnanam	Dr.S. Thirugnanam Gokul Dass R Jagadeshwaran J Jayakanth D Liston Jebakumar G	Design And Fabrication Of Smart Garbage Bin Using Arduino	202441090885	22/11/2024	Published
14	Mr.S.Rajesh	Mr.V.Gugan Mr.K.Maneshnidhi Mr.K.T.Manikandan Mr.A.Mohamed Rifadh	Design and fabrication of electric bike with gear assisted manual pedal system	202541012595	14.02.2025	Published
15	S.Sivalingam	Mr.Saran R Mr.Sivashanmugam G Mr.Subash GS Mr.Aravinda samy	Experimental investigation of hybrid composites laced with Leather waste, beach sand and used tea powder	202541006744	28.01.2025	Filed 28.01.2025
16	Mr.K.Venkatesan	Mr.S.Sivalingam Mr.Muthukrishnan Mr.Sivashanmuga Mr.Sunil kumar Mr.Dhanushkumar	Design and fabrication of ceiling fan cleaner with dust collector	202541012511	Feb 14, 2025	Published
17	Dr.S.Suresh Punaiah	Mr.Durairaj Mr.Srinivasan	Fabrication of Loto gadget for Distribution of Low Tension 11kV/440 V Transformer	202541014508	20.02.2025	Published
18	SRM Valliammai Engg college	Dr.R.Srinivasan Mr.Viswanath Mr.Yugendar G Mr.Tawfiq ahmed N	Experimental investigation of wear characteristics of Aluminium- Tungsten carbide metal matrix composites brake pads for automobile applications	202541022576	13.03.2025	Filed
19	SRM Valliammai Engg college	P.Vijayan Sujith Kumar Vigneswaran K Vivek Goveas Santhip S	Comparative analysis of mechanical properties in natural fiber and hybrid fiber composites	202541022962	14.03.2025	Filed

20	SRM Valliammai Engg college	G.Ananth P Sudharsenvel S Tharun A Kesavanath Raghul U	Investigation of mechanical properties on Al-SiC metal matrix composites	202541022138	12.03.2025	Filed
21	SRM Valliammai Engg college	R Ashok Abishek M Akilan S Aravindha Krishnan S Arun desnick C	Design and analysis of 3D printed drone propeller blades	202541023775	18.03.2025	Filed
22	SRM Valliammai Engg college	Dr.S.Suresh Pungaiiah S.Gowtham A Mohanasubramanian	Emergency mitigation system for ambulance with the Integration of GM applications	202541025733	21.03.2025	Filed
23	SRM Valliammai Engg college	JP Ramesh G Hariharasudhan K Jana M Muthusan A Sabir Hussain	Investigation of passive cooling for EV battery packs using natural convection	202541026927	24.03.2025	Filed
24	SRM Valliammai Engg college	Dr.S.Suresh Pungaiiah MR Arunjunai seshan S Balasubramanian M Gauthaman	IoT Integrated Solar panel cleaning system for maximizing efficiency	202541025759	21.03.2025	Filed
25	SRM Valliammai Engg college	M Vadivel Deepak V Denesh SR Dharunesh M Harish KS	Development and characterization of Aluminium metal matrix hybrid composite			Filed
26	SRM Valliammai Engg college	KP Manikandan Bharathkumar M Danushkumar B Gajaraj GR	Synthesis of phase change material for Electric vehicle battery management system	202541032215	01.04.2025	Filed

27	SRM Valliammai Engg college	Dr K Venkatesan M Krishnamoorthy Kommina Daniel Joseph Kaviyarasu Javeesh Aruraam	Effect of water absorption on scratch resistance properties of abaca and sisal natural fiber reinforced polymer composites	202541032890	03.04.2025	Filed
28	SRM Valliammai Engg college	P Ramu Delith Akash Uma Dheeraj Dravid Prabhakaran	Development of PLA composite and its characterization	202541034725	09.04.2025	Filed
29	SRM Valliammai Engg college	Dr R Srinivasan S Durairaj	Smart IoT enabled manhole cover to prevent engulfment hazards in underground tank			Filed

DEPARTMENT OF MBA

1	Mrs.A.Umadevi Dr.Radha Ganeshkumar	Mrs.A.Umadevi Dr.Radha Ganeshkumar	Programming the supply chain network for customers with uncertain demand.	202041001195	January 2020	Published
2	Mr.K.Guru Dr.Radha Ganeshkumar Dr.J.Anand Mrs.A.Umadevi	Mr.K.Guru Dr.Radha Ganeshkumar Dr.J.Anand Mrs.A.Umadevi	Blockchain Based Shopping Cart.	202041020687	May 2020	Published
3	Mrs.A.Umadevi, Mr.K.Guru, Dr.S.Raja, Dr.V.Selvalakshmi, Dr.J.Anand.	Mrs.A.Umadevi, Mr.K.Guru, Dr.S.Raja, Dr.V.Selvalakshmi, Dr.J.Anand.	BlockChain Based Rice ATM (Australian Patent)	2020102839	December 2020	Granted
4	Dr.K.Sentamilselvan, Dr.L.Sujatha, Dr.M.Ganesan @ Kanagaraj	Dr.K.Sentamilselvan, Dr.L.Sujatha, Dr.M.Ganesan @ Kanagaraj	IOT Enabled Audio Player Integrated Printer. IPR Design	336951-001	December 2020	Published

5	Dr.S.Raja	Dr.S.Raja	Competency Mapping for HR Professional in Indian IT Industry.	202141055003 A	December 2021	Published
6	Dr.V.Selvalakshmi Dr.Srinivasan Iyengar	Dr.V.Selvalakshmi Dr.Srinivasan Iyengar	Stress Level Indicator Mouse	365826-001	June 2022	Published
7	Mrs.A.Umadevi Dr.N.Venkateswaran	Mrs.A.Umadevi Dr.N.Venkateswaran	A System for Managing Business Banking by Assigning Business Management Authority to Each Sub Manager and Method Thereof	202241072721	December 2022	Published
8	Dr.k.Tharini Shital S Chavan Dr.Prashant B Shankuwar Dr.L.Sujatha Dr.J,Thilagavathi Ms.Lavanya Prof.sanjeev kumar	Dr.k.Tharini Shital S Chavan Dr.Prashant B Shankuwar Dr.L.Sujatha Dr.J,Thilagavathi Ms.Lavanya Prof.sanjeev kumar	Device with Artificial Intelligence for pet care Facility Monitoring	374069-001	Jan 2023	Published
9	Dr.P.Mohan Dr.G.Gabriel Prabhu Dr.M.Jayalakshmi Mr.M.Mahalingam Dr.L.Sujatha Dr.J.Anand Dr.V.Selvalakshmi Dr.M.Mohamed Meeran	Dr.P.Mohan Dr.G.Gabriel Prabhu Dr.M.Jayalakshmi Mr.M.Mahalingam Dr.L.Sujatha Dr.J.Anand Dr.V.Selvalakshmi Dr.M.Mohamed Meeran	Student Emotion Detection Badge	356668-001	March 2023	Published
10	Dr.L.Sujatha	Gagan Singh S.Vinoth Kumar Dr.P.Vanitha Asha Sagar Lipare S.Sreedevi Gowtham. M Dr. Shailesh Tandon	Strategic Workforce Development Methodology for Integrating HR and Entrepreneurship Strategies	202311072156 A	24/11/2023	Published

		Dr. Mohd Asif Shah Dr.Dharmendra Mehta Dr. Naveen Kumar Mehta Hrutuparna Kamble				
11	Dr.K.Latha	Dr.M.R.Vanithamani Dr.S.Vennila Dr.S.Jayakani Dr.Kirti Dr.Nimisha.M. Dr.K.Rani Mr.J.Logeshwaran Menda Sreevani Dr.Ganesh Ramesh Dr.Komal Dr.V.Kannan	Integrating Social Media and Commerce Applications	202341076211 A	15/12/2023	Published
12	Dr.K.Srimathi	-	Method and Apparatus for Real-time Thermal Imaging in Manufacturing Processes	202441051355	12/07/2024	Published
13	Dr.K.Srimathi	-	System and Method for Predictive Maintainence of Industrial Pumps using Machine Learning	202441051481	12/07/2024	Published
14	Dr.L.Sujatha	Dr. Sharmila Ramasamy, Dr. Monisha Monisha, Dr.Pooja Sharma, Prof. (Dr.) Kuldeep Agnihotri, Udayakumar Umapathy, Dr.Sathish Kumar Jayaraman, Dr. Gundemadugula Nelson Beena Bethel, Prashant Kulkarni, Anthony Savio Herminio da Piedade	AI Powered Data Processing Device for Stock Market Forecasting	6375487	5/8/2024	Published

		Fernandes				
DEPARTMENT OF PHYSICS						
1	Dr.K.Thiruppathi	Dr.G.Murugadoss Dr. Rajesh kumar Manavalan P.Jayanthi	Method For Removing Dye Pollutants And Bacterial Pathogens Using Quaternary ZnO-PbO-CdO-CuO Nanocomposite	202141032880 A	21/07/2021	Published
2	Dr.K.Thiruppathi	Dr. G. Murugadoss, Dr.C.Meganathan, Dr.S.Shanmugan and Dr.V.Chithambaram.	Method for Facile Synthesizing Heterostructure NiO-SnO ₂ Nanocomposite for Selective Electrochemical Determination of L-Cysteine	202141050557 A	03/11/2021	Published
3	Dr.K.Thiruppathi	Dr. G. Murugadoss, Dr.C.Meganathan, Mani Rajasekar and Rajeshkumar Manavalan.	Method for Preparation of Room Temperature Stable Photoactive Formamidinium Lead Iodide Perovskite	2021106454	01/12/2021	Published
4	Dr.S.Padmaja	Mr.R.Jeremiah Dr.V.Kanchana Dr.A.Kistan Dr.Avinash Lakshmikanthan	Vibrations of a Single -Walled Carbon Nanotube for Delivering of Nanoparticle	L- 133684/2023	29/09/2023	Published
DEPARTMENT OF CHEMISTRY						
1	Dr.M.Soundarrajan	Dr.L.Devaraj Dr.S.G.Gunasekaran	Stephen Examination of chitosan coated carbon blended vermiculite composite: Biosorption towards efficient remediation of toxic heavy metal ions Cr ⁶⁺ and Cd ²⁺ for wastewater treatment in various	202441060737	12.08.2024	Published

			factors-pH, adsorbent dosage and contact time			
2	Dr.L.Devaraj Stephen	Dr.S.G.Gunasekaran Dr.M.Soundarrajan	In situ preparation of $\text{Co}^{\text{III}}(\text{pn})_2(\text{Cl})(\text{L})^{2+}$ with excited nanoscale-TiO ₂ for induced interfacial electron transfer reaction- A perspective approach	202441008194	07.02.2024	Published
3	Dr.M.Soundarrajan	Dr.S.G.Gunasekaran Dr.L.Devaraj Stephen	Vermiculite blended chitosan coated carbon biopolymer composites for comparative removal of chromium	202341008626	10.02.2023	Published
4	Dr.M.Soundarrajan	Dr.S.G.Gunasekaran Dr.L.Devaraj Stephen	Chitosan coated carbon for the biosorption of toxic heavy metal ions from waste water	202241001670	12.01.2022	Published
5	Dr.P.Maheswari	Dr.J.Krishnamurthi	Design and development of poly(ether-ether-sulfone) nano-silver/polyvinyl pyrrolidone antifouling	202141006212	15.02.2021	Published
6	Dr.S.G.Gunasekaran	Dr.L.Devaraj Stephen Dr.M.Soundarrajan	Design and development of thermally curable poly(benzoxazine-co-styrene) and its high performance applications: A novel polymer	202041055120	18.12.2020	Published
7	Dr.L.Devaraj Stephen	Dr.S.G.Gunasekaran Mr.V.Arivalagan Dr.M.Soundarrajan	Crystal engineering towards active pharmaceutical cocrystal pyrazine carboxylic acid: A speciation approach	202041007677	24.02.2020	Published
8	Dr.J.Krishnamurthi	Dr.N.Jayaprakash	Thiourea tagged stimuli-responsive poly-electrolyte gel for the detection and removal of fluoride in non-polar solvent medium	201941007205	25.02.2019	Published

9	Dr.M.Soundarrajan	Dr.S.G.Gunasekaran Dr.L.Devaraj Stephen	Chitosan immobilized penicillium microspheres for biosorption of toxic heavy metal ions from water	201941006814	21.02.2019	Published
DEPARTMENT OF MCA						
1	Dr.D.Sridevi	Dr.T.Isaiyarasi, Dr.V.Vijayalakshmi, Dr.Bhooma.S, A.Karpagam, Dr.S.Narayanan	IOT-BASED SMART CITY TRAFFIC CONTROL SYSTEM	426275-001	09.08.2024	Published
2	B.Divya	K.Vijayalakshmi S.Revathi Dr.R.Thenmozhi T.Sugnaya Dr.G.Shanmugaraj Dr.D.Sridevi Ms.L.Kannagi	BACK RECOVERY PROTOCOL BASED MULTIAGENT PLANNING FOR THE FAULT TOLERANCE OF COMPOSITE CLOUD	202341068987	13/10/2023	Filed
DEPARTMENT OF ENGLISH						
1	Dr.M. Chithra	Dr .R.Geetha, Dr.Sheeba Manodh, Dr.S.Mahadevan, Dr.Senthamarai Thennavan, DR.P.Tamilarasan, Dr. T.Sugadev, Dr.N.Sheik Hameed, Dr.S.Vijayakumar	Data Processing Device to analyse teacher performnce	405847-001	27 -1-2024	Granted

2	Dr.N.Gopinath	Dr.Vijaya Kumar Dr.M. Chithra Dr.Sheeba Manodh, Dr .R.Geetha, Dr. T.Sugadev, Dr.N.Gopinath Dr.Horizon Prasanna Kumar, Dr.Sakthivel, Dr.VenkateshwaraU, Mr. Abhishek David John	Adaptive learning Platforms for learning a second language for disabled children	202341057846 A	22-12-2023	Published
3	Dr.N.Sheik Hameed,	Dr Sakthivel, Jagan Babu.K, Mathangi.G, V.Jayanthi, M.Elizabeth Rani, Aruldoss, Sulochana, Muthamizh selvi, Dr.Nithya Kumar Dr. T.Sugadev, Dr.N.Gopinath Dr.Horizon Prasanna Kumar,	AI-Assist tool to improve the accuracy and dependability of automated speech and writing assistance	202341060204 A	12-01-2024	Published
DEPARTMENT OF MATHS						
1	Dr D Sridevi	Dr T Isaiyarasi Dr V Vijayalakshmi Dr Bhooma S Ms. A Karpagam Dr S Narayanan	IOT- based Smart City Traffic Control System	426275-001	09/08/2024	Granted