



R.M.K. ENGINEERING COLLEGE

Patent Published/Granted Details - 2025



S.No	Year of filed	Name of the Applicants	Name of the Inventors	Title	Application Number	Current Status	Published Date	Published Year	Granted Date	Dept.
1	2025	R.M.K. Engineering College	MR.K. VIJAY ANAND; DR. T. SURESH; THARANI. R; SREEVARSHAN. J; SRI SIVA KAVYA. R; V. HARITHA.	Vigilant AI-Powered Fall Detection with Embedded LIDAR Technology	202541013131	Published	21/02/2025	2025		ECE
2	2025	R.M.K. Engineering College	Dr. B.Sarala, Dr.J.Jasmine Hephzipah, M.Perarasi, Dr.T.Suresh	SMART SHOPPING SYSTEM	202541013132	Published	21/02/2025	2025		ECE
3	2025	R.M.K. Engineering College	B.Sarala, T. Suresh, J.Jasmine Hephzipah, A. Perarasi.	OpenCV based Driver Accident Prevention and Detection System with IoT	202541013134	Published	21/02/2025	2025		ECE
4	2025	R.M.K. Engineering College	MR. VIJAY ANAND.K , DR. T.Suresh VISHAL P V, T HEMACHANDIRAN, VAKATI NANDA VARDHAN , K B VENKATARAMANA	Artificial intelligence-based Catalytic Converter Efficiency Monitoring System using intelligent sensor.	202541013130	Published	21/02/2025	2025		ECE
5	2025	R.M.K. Engineering College	F. SAMUEL FRANKILN; GOKUL. T; DARSHAN. C. R. A; BHAVESH. K; THIYAGESAN. M; MAGESH. T	Smart Energy Monitoring System Using Raspberry Pi And Graphical Representation Of Energy Consumption	202541013129	Published	21/02/2025	2025		EEE
6	2025	R.M.K. Engineering College	DEEPAK RAJ G,ANANDA RAJA T,SUKHI Y,KAVITHA P	EV CHARGE SUPPORTED SMART STREET LIGHT WITH LOW POWER CONSUMPTION AND SOS	202541013133	Published	21/02/2025	2025		EEE
7	2025	R.M.K. Engineering College	Dr.A.Vijayaraj, shaikumar.R, Santhosh.V, Tinku Abenas .T, Saravana prabhu .A.N, Gopi Krishna .L	Human Tracking Robotic Bot	202541013610	Published	21/02/2025	2025		EIE
8	2025	R.M.K. Engineering College	Dr. K. R. Senthil Kumar; Dr S.D.Sekar ;Rithvik S; Pittala Sarath; Pratheep S; Ramkumar G	SMART HEADLIGHT ADJUSTMENT SYSTEM USING IOT	202541013177	Published	21/02/2025	2025		IT
9	2025	R.M.K. Engineering College	Mr.K.Sengottaiyan;Dr.K.R.Senthilkumar	MANURE SPREADER MACHINE FOR AGRICULTURAL FARM FIELD	202541013175	Published	21/02/2025	2025		MECH
10	2025	R.M.K. Engineering College	Dr.R.Suresh Kumar; Mr.N.Mohanrajhu; Suriya Prasaath M.K; Surya M; Manikandan S; Tharunsai M	BATTERY THERMAL MANAGEMENT SYSTEM IN EVs WITH OSCILLATING HEAT PIPES	202541013174	Published	21/02/2025	2025		MECH
11	2025	R.M.K. Engineering College	Dr. R. Subhashini ; Dr. S. Pavai Madheswari ; R.R Sanjith ; V. Adithya	Organic Bed Coverings Embedded with Deep-Q-Network for Alleviating the Effect of Pressure-Ulcer in Patients	202541013176	Published	21/02/2025	2025		S&H

12	2025	R.M.K. Engineering College	Arul Murugan B ; Gowtham Siddharth R ; Guru Ram Saran K P ; Hemanth Kumar T ; Guru Prasath K; Mrs. P.Malini Anand Raj; Mr.N.Mohanraj	Inner Atmospheric Plasma Propulsion Jet with atmospheric voltage gradient	202541013324	Published	21/02/2025	2025		S&H
13	2025	R.M.K. Engineering College	SHERMA THANGAM S, THILLAK NAREN LG, THIRUGNANAM R, T.SHIVA SHANGARAN, Dr. M. MEENA , Dr. A. VIJAYALAKSHMI, Dr. S. PAVAI MADHESWARI	Ai Hologram Video Generator	202541013323	Published	21/02/2025	2025		S&H
14	2025	R.M.K. Engineering College	Dr. P. S. Latha Mageshwari	Optical behavior and dielectric behavior of Cadmium Chloride doped Lithium Sulphate Monohydrate single crystals	202541000866	Published	10-01-2025	2025		S&H
15	2025	R.M.K. Engineering College	Dr. A. Vijayalakshmi, Dr. M. Meena	Nano metal oxide loaded Chitosan polymer metal complexes for photocatalytic degradation of pharma pollutants	202441100697	Published	10-01-2025	2025		S&H
16	2025	R.M.K. Engineering College	B. SARATHA	IMPLEMENTATION OF ARTIFICIAL INTELLIGENCE TECHNIQUE FOR HAZARD DETECTION AND PREDICTIVE MAINTENANCE OF HIGHWAYS	202541001595	Published	17/01/2025	2025		AIDS
17	2025	R.M.K. Engineering College	Dr. V.R. Kavitha	Blood Cancer Cells Detection using convolutional neural networks	202541001657	Published	24/01/2025	2025		CSBS
18	2025	R.M.K. Engineering College	Dr. R. Suresh Kumar	AUTONOMOUS DRONE NAVIGATION SYSTEM	202541004688	Published	31/01/2025	2025		MECH
19	2025	R.M.K. Engineering College	Dr.D.PAULRAJ, Dr.S.NEELAKANDAN	Air Gesture Controlled System using IoT Devices	202541006803	Published	07-02-2025	2025		CSE
20	2025	R.M.K. Engineering College	Dr.D.PAULRAJ, Dr.S.NEELAKANDAN	AI Based Communication Device for Blind, Deaf and Dumb	202541006797	Published	07-02-2025	2025		CSE
21	2025	Dr. Anita. S	Dr. Anita. S	AI-BASED INTEGRATED BUSINESS PERFORMANCE MANAGEMENT PLATFORM	202541008674	Published	14/02/2025	2025		S&H
22	2025	Anto Gracious L A	Anto Gracious L A	MACHINE LEARNING-DRIVEN ADVANCES IN NANO-BASED DRUG DELIVERY FOR TRIPLE-NEGATIVE BREAST CANCER	202541009036	Published	14/02/2025	2025		S&H
23	2025	R.M.K. Engineering College	Dr. S. Karthikeyan	SMART SIDE MIRROR FOR VEHICLES WITH ROAD CONDITION DETECTION AND TURN SAFETY FEATURES	202541009259	Published	14/02/2025	2025		S&H
24	2025	Dr. Balaramesh Palanivelu	Dr. Balaramesh Palanivelu	HIGH-EFFICIENCY THERMOELECTRIC CONVERTER FOR MEDICAL AND INDUSTRIAL ENERGY HARVESTING	202541009400	Published	14/02/2025	2025		S&H
25	2025	R.M.K. Engineering College	Dr.V.Vidya Lakshmi	ROBUST IMPLEMENTATION OF A HATE SPEECH DETECTION SYSTEM	202541010706	Published	14/02/2025	2025		ECE
26	2025	R.M.K. Engineering College	Ms.G.Bhavani	EV CHARGING USING SOLAR PANEL WITH SUN POSITION TRACKING SYSTEM	202541010707	Published	14/02/2026	2025		ECE

27	2025	R.M.K. Engineering College	Dr. Balaramesh Palanivelu	HYDROCARBON REFRIGERANT BLEND FOR ENHANCEMENT IN COP	202541008486	Published	21/02/2025	2025		S&H
28	2025	R.M.K. Engineering College	Dr.Lalitha Ramachandran	AI BASED STRESS MONITOR DEVICE	202541008063	Published	14/02/2025	2025		S&H
29	2025	R.M.K. Engineering College	Dr. A. Jagadesan	Automatic Sanitizer Dispenser and Temperature Scanner	202541008095	Published	14/02/2025	2025		S&H
30	2025	R.M.K. Engineering College	Dr.A.Anna Lakshmi, Dr.A.Vijayaraj, Dr.S.Selvakanmani, Dr.T. Mahalingam	Enhanced Data Encryption Algorithm for Secure Mobile Payments in IoT Ecosystems	202541012918	Published	07-03-2025	2025		IT
31	2025	R.M.K.Engineering College	Dr.R.Suresh Kumar, Dr.M.Mudhukrishnan, KANIKA S, KIRUTHIKA C G, NALINA S	SMART WATER MONITORING AND CONTAMINATION CONTROLLING AUTOMATED SYSTEM WITH MULTI-SENSOR FUSION AND VOICE ANNOUNCEMENTS	202541014476	Published	07-03-2025	2025		Mech
32	2025	R.M.K.Engineering College	Mr. R. Thinesh Kumar	MICROWAVE-BASED EXTRACTIVE METALLURGY TO OBTAIN PURE METALS	202541014614	Published	07-03-2025	2025		S&H
33	2025	R.M.K. Engineering College	Dr. S D Lalitha, Ms. B. Bharathi, Dr. P. Kavitha	IOT-CONTROLLED SMART FARMING SYSTEM UTILIZING SILICON-BASED LED LAMPS	202541015672	Published	07-03-2025	2025		CSE
34	2025	R.M.K. Engineering College	Dr. T. Sethukarasi, Ms. R. Deepa, Ms. A. Jasmine Gilda	DEEP REINFORCEMENT LEARNING-BASED RESOURCE MANAGEMENT AND TASK SCHEDULING IN HYBRID CLOUD ENVIRONMENTS UTILIZING RENEWABLE ENERGY	202541015738	Published	07-03-2025	2025		CSE
35	2025	R.M.K. Engineering College	Ms. B. Bharathi, Dr. P. Kavitha, Dr. S D Lalitha	IOT-ENABLED AUTOMATED OXYGEN SUPPLY SYSTEM FOR REAL-TIME MONITORING AND ADAPTIVE DELIVERY	202541015739	Published	07-03-2025	2025		CSE
36	2025	R.M.K. Engineering College	Ms. A. Jasmine Gilda, Dr. T. Sethukarasi, Ms. R. Deepa	A SYSTEM AND METHOD FOR MOLECULAR DYNAMICS SIMULATIONS USING CLOUD COMPUTING AND MACHINE LEARNING PLATFORMS	202541015816	Published	07-03-2025	2025		CSE
37	2025	R.M.K. Engineering College	Dr.N.R. Gladiss Merlin, Dr.R. Sheeja, Sasmitha E, Keerthana V, Pavithra J	Harnessing the Power of Digital Technology to Maximize Agricultural Business Profits	202541015886	Published	07-03-2025	2025		AIDS
38	2025	R.M.K. Engineering College	Dr G Vasukidevi	BLOCKCHAIN TECHNOLOGY IN MEDICAL OBSERVATION CARE	202541015898	Published	07-03-2025	2025		CSE
39	2025	R.M.K. Engineering College	Dr. P. R. Therasa, Ms. P. Ilampiray, Dr. Naveen Raju D, Dr. R. Geetha, Dr. A. Thilagavathy	IOT-ENABLED LED CULTIVATION SYSTEM WITH SMART SENSOR INTEGRATION FOR OPTIMIZED GROWTH CONDITIONS	202541018117	Published	14/03/2025	2025		CSE
40	2025	R.M.K. Engineering College	Ms. P. Sukania	LPWAN AND IOT BASED SYSTEM FOR INVENTORY MANAGEMENT	202541018998	Published	21/03/2025	2025		S&H
41	2025	R.M.K. Engineering College	Dr. C. K. Sivashankari	IOT BASED FOOD INVENTORY TRACKING SYSTEM	202541019010	Published	21/03/2025	2025		S&H

42	2025	R.M.K. Engineering College	Dr. Golden Stepha N	WASTE-TO-ENERGY MANAGEMENT FROM MUNICIPAL WASTES	202541019990	Published	21/03/2025	2025		S&H
43	2025	R.M.K. Engineering College	Ms. N.Meenatchi	IOT BASED SOLAR ENERGY SYSTEM FOR IRRIGATION	202541020030	Published	21/03/2025	2025		S&H
44	2025	R.M.K. Engineering College	Mr.S.Vijayakumar	FAKE NEWS DETECTION USING NEURAL NETWORK ENGINE	202541021275	Published	21/03/2025	2025		S&H
45	2025	R.M.K. Engineering College	Dr. K. Tamilvanan	Wireless Vehicular Networks for Collision Avoidance	202541021345	Published	21/03/2025	2025		S&H
46	2025	R.M.K. Engineering College	Dr. SENTHIL S	FUZZY TOPOLOGY CONVERTER FOR RENEWABLE POWER GENERATION	202541022721	Published	21/03/2025	2025		S&H
47	2025	R.M.K. Engineering College	Ms. Sharmila Bhargavi V	FAULT DETECTION IN TRANSMISSION LINE USING ARTIFICIAL INTELLIGENCE	202541022991	Published	21/03/2025	2025		S&H
48	2025	R.M.K. Engineering College	Dr. K.Srinivasan	PROACTIVE NETWORK TRAFFIC SECURITY USING ARTIFICIAL INTELLIGENCE	202541022992	Published	21/03/2025	2025		S&H
49	2025	R.M.K. Engineering College	Dr.S.Selvakanmani, Dr.T. Mahalingam, Mr. S. Nagarajan, Dr.A.Anna Lakshmi	Adaptive AI-Based Recommendation Engine for Personalized E-Learning Platforms	202541023171	Published	28/03/2025	2025		IT
50	2025	R.M.K. Engineering College	Dr. Naveen Raju D, Dr. A. Thilagavathy, Dr. P. R. Therasa, Ms. P. Ilampiray, Dr. C. Geetha	IOT-CONTROLLED SMART FARMING SYSTEM WITH SILICON LED-BASED ADAPTIVE LIGHTING	202541033048	Published	02-05-2025	2025		CSE
51	2025	R.M.K. Engineering College	Dr.B.Sarala, Dr.J.Jasmine Hephzipah	SMART WAREHOUSE MANAGEMENT SYSTEM USING IOT	202541035725	Published	09-05-2025	2025		ECE
52	2025	R.M.K. Engineering College	Mr.Vel Murugesh Kumar N	IMPROVING DATA CLEANING BY MACHINE LEARNING	202541035726	Published	09-05-2025	2025		CSE
53	2025	R.M.K. Engineering College	Dr. P. SUGANTHI	QUEUEING MODEL ADDRESSING INFECTIOUS DISEASE MANAGEMENT	202541035727	Published	09-05-2025	2025		S&H
54	2025	R.M.K. Engineering College	Dr. T. Mahalingam, Mr. S. Nagarajan, Dr. A. Anna Lakshmi, Dr. S. Selvakanmani	Blockchain-Based Decentralized Identity Verification System for Secure Online Transactions	202541037681	Published	09-05-2025	2025		IT
55	2025	R.M.K. Engineering College	Dr.M.S. Kavitha	SMART TROLLEY WITH AUTOMATED CHECKOUT	202541039331	Published	16/05/2025	2025		VLSI Design and Technology
56	2025	R.M.K. Engineering College	Dr S Thanga Ramya, Dr. Girija M S, Ms S Mahalakshmi, Harshitha G, Keerthanadevi N, Dasari Rajeswari, Harini P V	AI-Powered Live Surveillance for Security Threat Detection	202541039392	Published	16/05/2025	2025		CSD
57	2025	R.M.K. Engineering College	VAMSI D	Live Tracking of College Bus using GPS Module and Website	202541039411	Published	16/05/2025	2025		EIE
58	2025	R.M.K. Engineering College	Dr CHAIRMA LAKSHMI K R, GOKUL S, HARISH J	Smart Assistive System for Object Detection and Emergency Alerts	202541039455	Published	16/05/2025	2025		EIE
59	2025	R.M.K. Engineering College	Ms. Haritha V, Ms. Latha J	INTELLIGENT ROBOT USING DEEP LEARNING FOR RASH DRIVING CRIME	202541039462	Published	16/05/2025	2025		CSE
60	2025	R.M.K. Engineering College	Ms. Haritha V, Ms. Latha J	ADAPTIVE TRAFFIC SIGNAL CONTROL USING DEEP LEARNING AND IMAGE PROCESSING	202541039469	Published	16/05/2025	2025		CSE

61	2025	R.M.K. Engineering College	Dr. P. Umaeswari, Ms. Rithu Varshini A S, Ms. Varsha R, Mr. Sarvesh M S, Ms. Santhiya M	System and Method for Real-Time Threat Detection Using Big Data Analytics in Distributed Networks	202541039679	Published	16/05/2025	2025		CSBS
62	2025	R.M.K. Engineering College	Ms SELVALAKSHMI S, Dr CHAIRMA LAKSHMI K R, Udayashankar.M, Iniyan.T	Automotive Black Box With Iot For Accident Detection And Data Logging	202541039693	Published	16/05/2025	2025		EIE
63	2025	R.M.K. Engineering College	Ms. R. Deepa, Dr. P. Kavitha, Ms. A. Jasmine Gilda, Ms. B. Bharathi	INTEGRATED IOT AND DRONE-BASED SYSTEM FOR SMART PORT MANAGEMENT AND LOGISTICS OPTIMIZATION	202541042031	Published	30/05/2025	2025		CSE
64	2025	1)R.M.K Engineering College, 2. Symptovate AI Technologies Private Limited	Dr.K.A.MOHAMED JUNAID, Mr P L STEPHENRAJ	NODULENET-AI DRIVEN FRAMEWORK FOR THE PREDICTION OF TUBERCULOSIS AND OTHER LUNG DISEASES	202541044703	Published	30/05/2025	2025		ECE
65	2025	R.M.K. Engineering College	Dr. A. Thilagavathy, Dr. Naveen Raju D, Dr. Geetha R, Dr. P. R. Therasa, Ms. P. Ilampiray	IOT-BASED STRUCTURAL DISPLACEMENT MONITORING AND ALERT SYSTEM	202541045197	Published	30/05/2025	2025		CSE
66	2025	R.M.K. Engineering College	Ms.Jayalakshmi K, Ms NANDHINI S	ARTIFICIAL INTELLIGENCE BASED SANITIZING HOME	202541045747	Published	30/05/2025	2025		CSE
67	2025	R.M.K. Engineering College	G. Nixon Samuel Vijayakumar	ELECTROSPUN BaO/MnO NANO COMPOSITE FIBRES. A	202541056080	Published	20/06/2025	2025		S&H
68	2025	R.M.K. Engineering College	Y.SUKHI	Fast Power Point Tracking in PV System During Variable Solar Irradiation using Deep Learning Algorithm	202541056397	Published	20/06/2025	2025		EEE
69	2025	R.M.K. Engineering College	R. Pavaiyarkarasi, P.Anusha, G.Bhavani	A MILITARY SURVEILLANCE BORDER SECURITY ALERT SYSTEM USING INTERNET OF THINGS	202541051478	Published	13/06/2025	2025		ECE(VLSI)
70	2025	R.M.K. Engineering College	R. Pavaiyarkarasi, P.Anusha, G.Bhavani	SOIL BASED COMMUNICATION FOR ENHANCED MILITARY AND HEALTH CONNECTIVITY	202541051125	Published	06-06-2025	2025		ECE(VLSI)
71	2025	R.M.K. Engineering College	R. Pavaiyarkarasi, P.Anusha, G.Bhavani	IOT BASED ELECTRICAL VEHICLE BATTERY MANAGEMENT SYSTEM WITH CHARGE MONITOR AND FIRE PROTECTION	202541051116	Published	06-06-2025	2025		ECE
72	2025	Sumitha T	Sumitha T	A SYSTEM AND METHOD FOR DETECTING PHISHING ATTACKS USING NATURAL LANGUAGE PROCESSING	202541050309	Published	06-06-2025	2025		CSE
73	2025	R.M.K. Engineering College	S. Nagarajan, A. Anna Lakshmi, S. Selvakanmani, T. Mahalingam	AI-Driven Adaptive Cybersecurity Framework for Real-Time Threat Detection and Response	202541049924	Published	06-06-2025	2025		IT
74	2025	R.M.K. Engineering College	Anusha P, Rosaline S, Nithya Sree R S	AUTONOMOUS FIRE FIGHTING ROBOT	202541045869	Published	30/05/2025	2025		ECE(VLSI)
75	2025	R.M.K. Engineering College	Harish Gnanasamhanthan. G	A Wireless IOT system towards GAIT detection in stroke patients	202441102263	Published	10-01-2025	2025		ECE
76	2025	R.M.K. Engineering College	P. S. Latha Mageshwari	Optical behavior and dielectric behavior of Cadmium Chloride doped Lithium Sulphate Monohydrate single crystals	202541000866	Published	10-01-2025	2025		S&H

77	2025	R.M.K. Engineering College	Elumalai A	SMART GESTURE CONTROLLED SYSTEM USING IOT	202541000593	Published	10-01-2025	2025		S&H
78	2025	R.M.K. Engineering College	Elumalai A	MULTI-MODAL LARGE LANGUAGE ADAPTER	202541000591	Published	10-01-2025	2025		S&H
79	2025	R.M.K. Engineering College	S Srijayanthi, Sandra Johnson, P. Shobha Rani , G Manikandan	ARTIFICIAL INTELLIGENCE BASED WEARABLE DEVICE FOR MONITORING EARLY PREDICTION AND PREVENTION OF CARDIOVASCULAR DISEASES	202441103246	Published	10-01-2025	2025		AIDS
80	2025	R.M.K. Engineering College	Dr. M. Meena, A. Vijayalakshmi	Nano metal oxide loaded Chitosan polymer metal complexes for photocatalytic degradation of pharma pollutants	202441100697	Published	10-01-2025	2025		S&H
81	2025	R.M.K. Engineering College	B. SARATHA	IMPLEMENTATION OF ARTIFICIAL INTELLIGENCE TECHNIQUE FOR HAZARD DETECTION AND PREDICTIVE MAINTENANCE OF HIGHWAYS	202541001595	Published	17/01/2025	2025		AIDS
82	2025	R.M.K. Engineering College	V.R. Kavitha	Blood Cancer Cells Detection using convolutional neural networks	202541001657	Published	24/01/2025	2025		CSBS
83	2025	R.M.K. Engineering College	M. Meena, A. Vijayalakshmi	ECO-FRIENDLY NANOCOMPOSITES FOR HEAVY METAL REMOVAL	202541005651	Published	31/01/2025	2025		S&H
84	2025	R.M.K. Engineering College	R. Suresh Kumar	AUTONOMOUS DRONE NAVIGATION SYSTEM	202541004688	Published	31/01/2025	2025		Mech