



R.M.D. ENGINEERING COLLEGE

(An Autonomous Institution)

R.S.M. NAGAR, KAVARAIPETTAI – 601206.

PATENT PUBLICATIONS

AY 2023 - 2024 (1st July '23 to 30th Jun '24)

Utility Patents

S. No	Application No.	Title of the Invention	Name of the Applicant	Name of the Inventor	Date of filing of application	Publication Date
1.	202341039753	THE INTEGRATION OF A SELF-ATTENTION GRAPH NEURAL NETWORK FOR DATA MINING OF CONSUMPTION BEHAVIOR PATTERNS AMONG COLLEGE STUDENTS	R.M.D Engineering College	Dr. R. Sasikumar, Dr. C.S. Anita, Dr. P. Shobha Rani, Dr. D. Rajalakshmi	6/10/2023	8/18/2023
2.	202341039750	EMPLOYING A TOP-DOWN SELECTIVE ENSEMBLE MODEL TO OPTIMIZE DOMAIN-SPECIFIC SUPERVISED NATURAL LANGUAGE INTENT CLASSIFICATION	R.M.D Engineering College	Dr. R. Sasikumar, Dr. C.S. Anita, Dr. P. Shobha Rani, Dr. D. Rajalakshmi	6/10/2023	8/18/2023
3.	202341044735	INTERNET OF THINGS BASED AUTOMATED MEDICAL DISPENSER MACHINE USING LIVE MONITORING IN RURAL AREAS	R.M.D Engineering College	Mrs.D.M. Kalai Selvi, Mrs.K. Balasaranya	04/07/2023	22/09/2023
4.	202341060119	GAS LEAKAGE DEETECTOR	R.M.D Engineering College	Dr G.Nirmala, ,Vishal D, Tharun Y, Saravanan S	7/9/2023	2/2/2024
5.	202341056351	EXAM INVIGILATION DRONE POLLUTION IDENTIFYING DEVICE DRONE UNDERWATER DRONE	R.M.D Engineering College	Dr. K. Balasubadra Dr. V. Prasanna Srinivasan Dr. K. Saravanan	22/08/2023	29/12/2023



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6.	202341056352	IOT PANEL FOR DOOR SECURITY SYSTEM	R.M.D Engineering College	Dr. V. Prasanna Srinivasan Dr. K. Saravanan Dr. K. Balasubadra	22/08/2023	29/12/2023
7.	202341056353	SMART TROLLEY WITH PRODUCT TRACKING USING IOT	R.M.D Engineering College	Dr. K. Saravanan Dr. K. Balasubadra Dr. V. Prasanna Srinivasan	22/08/2023	29/12/2023
8.	202341089238	SEMI-ORGANIC CRYSTAL GROWTH AND CHARACTERIZATION TECHNIQUES FOR PHOTONIC DEVICES	R.M.D Engineering College	Dr. R. Priya Dr. P. Kamalarajan Dr. S. Rajakumari Mr. T. Venkatesan	27/12/2023	12/01/2024
9.	202341089239	TRIBIOLOGICAL PROPERTIES ENHANCEMENT IN SYNTHETIC COMPOSITES THROUGH NANO ADDITIVES	R.M.D Engineering College	Dr. P. Kamalarajan Dr. R. Priya Dr. S. Ramesh Dr. K. S. Radha	27/12/2023	12/01/2024
10.	202341089240	HYDROGEN GENERATION BY ALKALINE WATER ELECTROLYSIS USING LOW COST MATERIALS	R.M.D Engineering College	Dr. K. S. Radha Dr. S. Ramesh Dr. V. Sudha Dr. R. Priya	27/12/2023	12/01/2024
11.	202241052901 A	A NEONT AL BABY MONITORING DEVICE AND THE METHOD OF MANUFACTURING THE SAME	R.M.D Engineering College	Santhoshini P Dr. Bennila Thangammal Hemalatha R	16/09/2022	2/03/2024
12.	202441017008	AN ADVANCED AND EFFICIENT SYSTEM TO MANAGE LITHIUM-ION BATTERY TRAINS OF ELECTRIC VEHICLES	R.M.D Engineering College	Dr. Usha Rani P.	09/03/2024	29/03/2024



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13.	202441034074 A	INNOVATIVE ARDUINO VACUUM ROBOT: MAKE HOME SMARTER	R.M.D Engineering College	Dr.K.Helenprabha Ms.P.Santhoshini	29/04/2024	3/05/2024
14.	202341086152	HIGH-EFFICIENCY ALGORITHMS FOR SIMULATING MHD INTERACTIONS IN MULTI-PHASE NEWTONIAN AND NON-NEWTONIAN FLUIDS	Dr. N. Prabakaran Dr. B. Haritha Dr. T. Sudha Dr. M. Padma Devi Dr. D. Kavitha Dr. P. Bharath Kumar Dr. Abdul Razak Dr. S. Ramalingeswara Rao Dr. Konduru Venkateswara Raju Mrs. A. Thriveni	Dr. N. Prabakaran Dr. B. Haritha Dr. T. Sudha Dr. M. Padma Devi Dr. D. Kavitha Dr. P. Bharath Kumar Dr. Abdul Razak Dr. S. Ramalingeswara Rao Dr. Konduru Venkateswara Raju Mrs. A. Thriveni	17/12/2023	12/01/2024
15.	202441034073 A	ANTI-SLEEP ALARM	R.M.D Engineering College	Dr. V. Tamil Selvi S. Rekha R. Ranjani M. Samvardhini K. Nikitha Ramsetty Rakshitha Rekam Sree Saicharitha	29/04/2024	3/05/2024
16.	202441034740 A	DETECTION OF BRAIN NEOPLASM SIZE BY MODIFIED DEEP NEURAL NETWORKS USING MAGNETIC RESONANCE IMAGES	R.M.D Engineering College	Dr. K. Helenprabha Dr.R. Aarthi	01/05/2024	3/05/2024



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17.	202441034741 A	PLANT LEAF DISEASE DETECTION USING DEEP LEARNING	R.M.D Engineering College	A .Tamizharasi Dr.P. Ezhumalai S. Logesswari	01/05/2024	4/05/2024
18.	202441034075 A	WEARABLE COAT FOR COAL MINER AND A METHOD OF EARLY WARNING OF DISASTER AND HEALTH PARAMETERS	R.M.D Engineering College	Dr. A. Chilambuchelvan Dr. N. Vini Antony Grace Ms.G. Karthika Rajalakshmi. A Porchelvi A	29/04/2024	4/05/2024
19.	202441034739 A	BIOMETRIC BASED SECURITY DOOR SYSTEM	R.M.D Engineering College	Dr. G. Amudha MS. Anitha Rajathi Anumala Venkata Sai Santhosh Sreekar Bheemineni Charith Vaka Venkata Sai Nithin Reddy	01/05/2024	4/05/2024
20.	202441034742 A	AIR WRITING COMMUNICATION USING MACHINE LEARNING	R.M.D Engineering College	Padmapriya. K Dr. P. Ezhumalai	01/05/2024	4/05/2024
21.	202441034743 A	OPTIMIZED ARTIFICIAL NEURAL NETWORK TECHNIQUE FOR HEALTHCARE ANALYSIS	R.M.D Engineering College	Dr. P. M. Joe Prathap Dr. S. Srinivasan	01/05/2024	4/05/2024
22.	202441034745 A	SOLAR-POWERED WIRELESS CHARGING MODULE INTEGRATED INTO MOBILE DEVICE CASES	R.M.D Engineering College	Dr. K. Sudharson Dr. C. S. Anita Mr. B. Mohan Balaji	01/05/2024	4/05/2024



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23.	202441009662	AUTOMATIC ANAESTHESIA MACHINE CONTROL SYSTEM USING NODE MCU AND CLOUD TECHNOLOGY	R.M.D Engineering College	Dr. D. RUKMANI DEVI	13/02/2024	23/02/2024
24.	202441034744 A	AGROVISION: THE FUTURE OF CROP HEALTH SURVEILLANCE WITH DEEP LEARNING AND ROVER TECHNOLOGY	R.M.D Engineering College	Dr. R. Jothilakshmi, Dr. B. Kalpana, Dr. D. Praveena, N. Arockia Rosy, M. Radhika N. Abirami, G. Janani S. Velmurugan	01/05/2024	5/05/2024
25.	202241052902	SMART ENERGY METER WITH DAILY USAGE REMINDER	R.M.D Engineering College	M. ARAVINDAN Dr.G.NALINASHI NI Dr.A.CHILAMBU CHELVAN P.ABIRAMI B.PREETHA K.VANDHANA E.VIVEKA	16/09/2022	22/03/2024
26.	202241052903	IOT BASED AUTOMATIC LIBRARY MANAGEMENT ROBOT	R.M.D Engineering College	V. S. PRABHU Dr. C. BENNILA THANGAMMAL	16/09/2022	22/03/2024
27.	202441022994	DOUBLE CHECK FIRE RESCUE SYSTEM USING ARTIFICIAL INTELLIGENCE	R.M.D Engineering College Dr. J. Jayaudhaya	Dr. J. Jayaudhaya	23/03/2024	29/03/2024
28.	202241052900	WEARABLE COAT FOR COAL MINER AND A METHOD OF EARLY WARNING	R.M.D. Engineering College	DR. N. VINI ANTONY GRACE G. KARTHIKA	16/09/2022	22/03/2024



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		OF DISASTER AND HEALTH PARAMETERS		NISHANTHI K Y RAJALAKSHMI A PORCHELVI A		
29.	202441038419	EMBEDDED MACHINE LEARNING FOR ADAPTIVE NEUROSTIMULATION IN MEDICAL IMPLANTS	R.M.D. Engineering College	Dr. P EZHUMALAI V SHARMIL D. VISHNU SAKTHI J SHERINE GLORY	16/05/2024	24/05/2024

Design Patents

S. No	Application / Design No.	Title of the Invention	Name of the Applicant	Name of the Inventor	Date of filing of application	Publication Date
1.	402417-001	SMART DEVICE FOR BRAIN TUMOR DETECTION (SET)	R.M.D Engineering College	Ms. Srilakshmi Chintapalli Dr. Balasubadra Kandasamy	27/07/2023	18/12/2023
2.	402127-001	MACHINE LEARNING BASED FOR AUTOMATIC LANE DETECTION IN AUTONOMOUS VEHICLE	R.M.D Engineering College	Dr. P. Ezhumalai P.Jagadeesan Roslin Dayana. K Rangini. M.	14/12/2023	21/02/2024
3.	402421-001	DRONE FOR MEDICINE DELIVERY	R.M.D Engineering College	R.M.D Engineering College Dr.P.Ezhumalai Ms.D.M.Kalai Selvi Ms.V Sharmila Ms.G. Manisha.	18/12/2023	06/06/2024