



R.M.D ENGINEERING COLLEGE
(An Autonomous Institution)

PATENT PUBLICATIONS

Calendar year 2024

UTILITY PATENTS

S. No.	Application Number	Title of the Invention	Name of the Applicant	Name of the Inventor	Date of filing the application	Publication Date
1.	202341060119	Gas Leakage Detector	R.M.D Engineering College	D. Vishal Tharun. S. Saravanan Dr. G. Nirmala	07/09/2023	02/02/2024
2.	202441029007	Advanced Encryption Algorithm based on Elliptic Curve Cryptography	R.M.D Engineering College	Dr. S. Muthusundari Dr. A.K. Jaithunbi, L. Sherin Beevi, G. Shankar, D. Jayakumar, G. Manisha	09/04/2024	19/04/2024
3.	202441034742 A	Air Writing Communication using Machine Learning	R.M.D Engineering College	Padmapriya. K Dr. P. Ezhumalai	01/05/2024	10/05/2024
4.	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	10/05/2024
5.	202441034741 A	Plant Leaf Disease Detection Using Deep Learning	R.M.D Engineering College	A .Tamizharasi Dr. P. Ezhumalai S. Logesswari	01/05/2024	10/05/2024

6.	202441009662 A	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
7.	202241052900 A	Wearable Coat for Coal Miner and A Method of Early Warning of Disaster and Health Parameters	R.M.D Engineering College	Dr. N. Vini Antony Grace Mrs. G. Karthika	16/09/2022	22/03/2024
8.	202241052901 A	A Neonatal Baby Monitoring Device and the Method of Manufacturing the Same	R.M.D Engineering College	Mrs. P. Santhoshini Dr. C. Bennila Thangammal Mrs. R. Hemalatha	16/09/2022	22/03/2024
9.	202241052903 A	IoT based Automatic Library Management Robot	R.M.D Engineering College	Mr. V. S. Prabhu Dr. C. Bennila Thangammal	16/09/2022	22/03/2024
10.	202241052902 A	Smart Energy Meter with Daily Usage Reminder	R.M.D Engineering College	Dr. A. Chilambuchelvan	16/09/2022	22/03/2024
11.	202441022994	Double Check Fire Rescue System Using Artificial Intelligence	R.M.D. Engineering College Dr. J. Jayaudhaya	R.M.D. Engineering College Dr. J. Jayaudhaya	23/03/2024	29/03/2024
12.	202441034074 A	Innovative Arduino Vacuum Robot: Make Home Smarter	R.M.D Engineering College	Dr.K.Helenprabha Ms.P.Santhoshini	29/04/2024	10/05/2024
13.	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	10/05/2024

14.	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	10/05/2024
15.	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	10/05/2024
16.	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	10/05/2024
17.	202441063277 A	Affordable health monitoring system for remote areas using IOT	R.M.D Engineering College	Dr.G.Amudha	22/08.2024	30/08.2024
18.	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	10/05/2024
19.	202341089239	Tribological 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
20.	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. Subha Dr. R. Priya	27/12/2023	12/01/2024

21.	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
22.	202441017008	An Advanced and Efficient System to Manage Lithium- Ion Battery Trains of Electric Vehicles	R.M.D Engineering College	Dr. P. Usharani	09/03/2024	29/03/2024
23.	202441034073 A	Anti-Sleep Alarm	R.M.D Engineering College	Dr. V. Tamil Selvi S. Rekha R. Ranjani M. Samvardhini K. Nikitha Ms. Ramsetty Rakshitha Ms. Rekam Sree Saicharitha	29/04/2024	10/05/2024
	DESIGN PATENT					
24.	402127-001	Machine Learning based for Automatic Lane Detection in Autonomous Vehicle	R.M.D Engineering College	Dr. P. Ezhumalai, Mr. P. Jagadeesan, Ms. Roslin Dayana. K, Ms. Rangini. M	14.12.2023	14.02.2024