



Department of Chemical Engineering
RV college of Engineering

Patents

SL No	Patent App. No	Status	Patent No / Publication No	Inventors	Invention Title	Date of Filing	Date of Publication / Grant
1	201641012578	Granted	480905	1.Prof.UjwalShreenagMeda	Method & Sensor to Detect Hydrogen Gas at ambient conditions	11/4/2016	12/12/2023
				2. Akshay Kulkarni			
				3. Abhinav Baj			
				4. Aditya Kulal			
				5. Karthik SS			
2	202041010158	Granted	480180	1. Dr. MAL Antony Raj	Efficient Adsorber cum Mufler	9/3/2020	11/12/2023
				2. Mr. Pratham Kumar N			
				3. Mr. Raghav Raja			
				4. Mr. Ros Theres Koikkara			
				5. Ms. Kalpitha M V			
3	202141015076	Granted	461359	1.Dr. Ujwal Shreenag Meda	Method and System to Enhance the Properites of Cementitious Product	31/03/2021	23/10/2023
				2.Dr. Radhakrishna			
				3. Sachin K C			
4	202041024611	Granted	407395	1.Dr. Basavaraja R J	Fluid Jacketed Temperature Swing Adsorption System for Carbon Dioxide Capture using Graphene	11/6/2020	22/09/2022
				2.Siddhant Gupta			
				3.Siddarth Achar			
				4.Shrilakshmi Bonageri			
				5.Atul Menon			
5	201841046270	Granted	402421	1.Prof. Vinutha Moses	Extraction of Hydroxymethylfurfural (HMF) from Organic Waste	7/12/2018	28/07/2022
				2.Sumedha Bhat			
				3.Snehil Kumar B			
				4.Akshay C.B			
				5.Rishil Rai			



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6	202041024612	Granted	402195	1.Prof. Vinutha Moses	Water Retention Agent for Soil	11/6/2020	27/07/2022
				2.Rohit Kumar			
				3.Niveditha Mohan			
				4.Ajay Melrit D'silva			
				5.Pramada Tirumala			
7	201841013768	Granted	338004	1.Ujwal Shreenag M	Method and System to develop a Polymer-Hydrogel-Metal Oxide Composite based sensor to detect and quantify Hydrogen Gas	11/4/2018	5/6/2020
				2.Dr. M. A. Lourdu Antony Raj			
				3.Shripathi Ramakrishnan			
				4.Maitri Uppaluri			
				5.Dr. A. R. Phani			
8	201741030082	Granted (Transferred to Trashcon)	329796	1.Dr. M.A.L. Antony Raj	Municipal Solid Waste Segregator for Separation of Non-Biodegradables from Biodegradable Solid Waste	24/08/2017	21/01/2020
				2.Prof. Anupama V. Joshi			
				3.Aishwarya Pantula			
				4. Manasvi Hemant Paradkar			
				5.R.M. Nivedha			
9	202341000518	Published	-	1. Rajalakshmi M	Synthesizing NiSe ₂ Active Electrode NanoParticles for high energy Density Asymmetric Super Capacitor Coin Cell	4/1/2023	17/02/2023
				2.Manjunatha C			
				3.Shwetha K P			
				4.Sudha Kamath M K			
				5.Yash Athreya			
				6.Suraj L			
				7.Shweta A Ram			
				8.Ananda Islakar			



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10	202141015075	Published	-	1.Dr. Ujwal Shreenag Meda	A Method to enhance the performance of a Microbial Fuel Cell	31/03/2021	7/10/2022
				2.Mr. Pradeepa G A			
11	202341024905	published	-	1.Anupama Venkatesh Joshi	Synthesis of Copper Nanoparticles from Copper Recovered from E-waste	31/03/2023	16/06/2023
				2.Raghav Khandelwal			
12	202341018953	published	-	1.Vinutha Moses	An aerobic pyrolyzer for the generation of Guaiacol from lignin sludge	21-03-2023	27/09/2024
				2.Vidya C			
				3.Manang Jain			
				4.Tushar Jain			
13	202341042932	Filed	-	1.Dr.Ujwal Shreenag Meda	Method for Synthesizing Titanium Dioxide and Iron oxide-based Nanocomposite capable of reducing oxides of Nitrogen in Atmospheric Air	27/06/2023	---
				2.Dr. Radhskrishna			
				3.Aditi Pandey			
				4.Yaseen Muner			
				5.Vamshika I			
14	202341056640	Filed	-	1.Vinod Kallur	Extraction of Cellulose Acetate from Processed Cigarette Filter Waste	24/08/2023	---
				2.Muskaan Agarwal			
				3.Vinayak Hulake			
				4.Ashwin Rao Padubidri			
				5.P.L. Muralidhara			



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15	202341082027	Filed	-	1.Vinutha Moses	A Smart Automatic Waste Segregator for Mixed Waste with Neodymium Magnets and Proximity Sensors	2/12/2023	-
				2.K.Saraswathi			
				3.S.R. Kumar			
				4.Sumana			
				5.Shifa Rafia			
				6.Saleha Fathima Zaman			
				7.Suraj Suresh K			
16	2.02341E+11	Filed	-	1. Manjunatha C	A Two-step Synthesis Method for preparing NiSe ₂ @Wo ₃ -Composite	28/12/2023	---
				2. Shwetha K P			
				3. Sudha Kamath M K			
				4. Yash Athreya			
				5. Suraj L			
17	202441000024	Filed	-	1. Vinutha Moses	A Novel Apparatus for Enzymatic Hydrolysis of Organic Waste to Enhance Nutrient Content	1/1/2024	---
				2. Harshit Rathore			
				3. Solanki Prasad Amar			
				4. Akaqsh G Kulkarni			
				5. Ravi Teja KA			
				6. Vidya C			
				7. R Suresh			