

SRM University – AP
Patents Applied, Published, Granted
Total No. of Patent filed-35
Total No. of Patents Published-33
Total No. of Patents Granted- 01
24th January 2022

Sl.no	Name of the Faculty	Department	Title	Application No	Date filed	Date Published	Granted	Remarks
1.	Dr. Sandeep Singh Sengar	CSE	Artificial Intelligence based detection of violence through surveillance camera	201911033264		18.08.2019		
2.	Dr. Jatindra Kumar Dash	CSE	Method of fuzzy inference model control for an injection moulding machine	201911023848		27.12.2019		
3.	Dr Ashok Kumar Pradhan	CSE	A Novel Secure Architecture Model for Smart and User-friendly Banking System	201941049454		20.12.2019		

SRM University – AP
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Total No. of Patents Granted- 01
24th January 2022

4.	Dr. Jatindra Kumar Dash	CSE	Computer Implemented Method for Fingerprint Recognition using Filtering Techniques	201941053267		27.12.2019		
5.	Dr. Goutam Kumar Dalapati	Physics	A Heat – Resistant Cup of an Earmuff for Thermal Shock Protection and Method of Fabrication	201941047185		03-01-2020		
6.	Dr. G.S. Vinod Kumar	MECH	A Process for Preparing Magnesium Foams	202041001715		24.1.2020	Granted on 16 th August 2021	
7.	Dr Ashok Kumar Pradhan	CSE	Smart Military Equipment Logistic System using	202011002478		31.01.2020		

SRM University – AP
Patents Applied, Published, Granted
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Total No. of Patents Granted- 01
24th January 2022

			Blockchain Technology					
8.	Dr Ashok Kumar Pradhan	CSE	CYBERNETIC PLANT	202041009615		13.03.2020		
9.	Dr. Karthikeyan Elumalai	ECE	A Computer Implemented Method For Identification Of System Parameters Using Multi Objective Optimization Technique	202041016800		18-09-2020		
10.	Dr. Karthikeyan Elumalai	ECE	A Computer Implemented Method For Identification Of System Parameters Using Convex	202041016799		18-09-2020		

SRM University – AP
Patents Applied, Published, Granted
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Total No. of Patents Published-33
Total No. of Patents Granted- 01
24th January 2022

			Optimization Technique					
11.	Dr Ashok Kumar Pradhan	CSE	AN IOT BASED INTELLIGENT FOOD STORAGE SYSTEM	202041018273		05.06.2020		
12.	Dr. PRAKASH KASHIRAM JADHAV	MECH	Abradable Coatings for gas turbine blades and a method for manufacturing the same ¹	202041036008		21-08-2020		
13.	Dr. Sriramulu Bojagani & Dr. Dinesh reddy vemmula	CSE	A Secure End-to-End IoT-based micro-payment protocol for wearable devices with formal verification.	202041045387		30-10-2020		

SRM University – AP
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Total No. of Patents Published-33
Total No. of Patents Granted- 01
24th January 2022

14.	Dr. PRAKASH KASHIRAM JADHAV	MECH	Hybrid Composite material for Gas Turbine Blades and a method for Manufacturing the same	202041049927		27-11-2020		
15.	Dr. G. S. Vinod Kumar	MECH	Closed Cell Aluminium foam product formed from molten metal with Zirconium Boride as stabilizing agent'	202041049984		27-11- 2020		
16.	Dr. Anil K. Suresh	Biotechnology	Synthesis and manufacture of resourceful nano particles with larger volume and weight using intact	202141004645		03-02-2021		

SRM University – AP
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Total No. of Patents Published-33
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24th January 2022

			eggshell bio-waste as dual remediation and waste-management					
17.	Dr. Sheela Singh	Mechanical	Chromium Aluminium Carbide (Cr ₂ AlC) MAX Phase composite coatings for automotive applications and a method for making the same	202141017480		23rd April 2021		
18.	Shaik Hassan, Meghana Bonthu, Jithin Peram, Muvvala	Mechanical	A Comprehensive disinfection system during Pandemic for personal items and protective	202141017527		23rd April 2021		

SRM University – AP
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24th January 2022

	Bhargava Vijaya Kumar, Sutharsan Govindarajan, Dr. Panchagnula Jayaprakash Sharma, Dr. Venkata Narasimham Nori		equipment (PPE) to safeguard people					
19.	Dr. Sabyasachi Mukhopadyay	Physics	Poly Dimethyl Siloxane (PDMS) microchannel based nanoscale devices that effectively measure electron transport at single layer of	202141017530		23rd April 2021		

SRM University – AP
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Total No. of Patents Granted- 01
24th January 2022

			molecules and a method for manufacture of the same					
20.	G. S. VinodKumar – jointly with Titan Company Ltd	Mechanical Engineering	A METHOD OF MANUFACTURING LEAD-FREE BRASS	201941047506		28 th May 2021		
21.	Dr. Sabyasachi Mukhopadyay	Physics	A fibre material with moisture retention capacity with thermal tolerance and a method for manufacture	202141023375		11 th June 2021		
22.	Ranjit Thapa & Samadhan Kapse	Physics	Highly Stable Ruthenium Single-Atom Catalysts on	202141033582	26 th July 2021	Yet to publish		

SRM University – AP
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Total No. of Patents Published-33
Total No. of Patents Granted- 01
24th January 2022

			Fe ₃ O ₄ /MWCNTs for Hydrogen Evolution Reaction					
23.	Dr. Morampudi Mahesh Kumar Dr. V Dinesh Reddy	CSE	A VARIATIONAL AUTO-ENCODER CONVOLUTIONAL NEURAL NETWORK (VAE-CNN) MODEL TO IDENTIFY THE PREVALENCE OF DIABETIC RETINOPATHY DISEASE	202141020520		11 th June 2021		
24.	Dr. Nimai Mishra and Research scholars	Chemistry	Ultra Stable and Highly Luminescent Green-Emitting Cesium Lead Bromide (CsPbBr ₃)	202141040020		10 th September 2021		

SRM University – AP
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Total No. of Patents Granted- 01
24th January 2022

			Perovskite Nanocrystals and a method for achieving it using Amine Free Colloidal Synthesis					
25.	G. S. Vinod Kumar, Dipak Bhosale	Mechanical Engineering	Closed cell Magnesium alloy foams stabilized by fly ash particles and a method for preparation of the same	202141040322.		17 th September 2021		
26.	Dr. Nimai Mishra and Reserach scholars	Chemistry	Cesium lead halide perovskite nanocrystals with Improved photo	202141043103	23rd September 2021	01-10-2021		

SRM University – AP
Patents Applied, Published, Granted
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Total No. of Patents Granted- 01
24th January 2022

			luminescence and stability properties					
27.	Dr. Ramesh Vaddi, jointly with IIITNR	ECE	A Multimodal Learning Framework and Method for Early Diagnosis and Accurate Classification of COVID-19 Patients Using Deep Learning Techniques	202121043052	23 rd September 2021	3/12/2021		
28.	Dr. Shivashankar and BTech Students	ECE	Personal Security and Alarm Device and Security System especially	202141043298	24th September 2021	01-10-2021		

SRM University – AP
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Total No. of Patents Granted- 01
24th January 2022

			for Women, based on LoRA (Long R Range) and GPS (Global Positioning System)					
29.	Dr. E. Karthikeyan and PhD students	ECE	A SYSTEM AND METHOD FOR DENOISING SEISMIC DATA USING CO-KURTOSIS BASED DEEP DENOISING AUTOENCODER	202141048259	22.10.2021	29.10.2021		
30.	Dr. Pranab Mandal	Physics	A method and set-up for characterization of temperature	202141051103	8 th November 2021	19 th November 2021		

SRM University – AP
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Total No. of Patents Granted- 01
24th January 2022

			dependence of impedance, relative dielectric					
31.	Dr. Anil Suresh	Biology	A SPECFILM AND A METHOD FOR ITS PREPARATION	202141051133	8 th November 2021	19 th November 2021		
32.	Dr. Priyanka Singh	CSE	A METHOD FOR AUTOMATED COUNTING OF POULTRY IN POULTRY FARM USING DEEP LEARNING TECHNIQUES	202141052193	15 th November 2021	26 th November		
33.	Dr. Prakash Jhadav	Mechanical	A BLADE FOR A ROTARY MACHINE AND A METHOD OF MANUFACTURING THE BLADE	202141055208	29 th November 2021	10-12-2021		

SRM University – AP
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24th January 2022

34.	Dr. Nimai	Chemistry	Enhancement of photoluminescence and stability of red-emitting cesium lead halide perovskite nanocrystals via post-synthetic surface treatment by ascorbic acid	202141056603	6- 12-2021	10-12-2021		
35.	Dr. Udaya Sankar	ECE	A system and method with Matrix enabled Road distress classification with reduced computational complexity and	202141056542	6- 12-2021	10-12-2021		

SRM University – AP
Patents Applied, Published, Granted
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Total No. of Patents Published-33
Total No. of Patents Granted- 01
24th January 2022

			reduced memory requirements					
36.	Dr. Priyanka Singh, THAKKAR, Hiren Kumar, SWARNKAR, Mayank SHUKLA, Hrushikesh Nitin	CSE	A MALWARE DETECTION SYSTEM TO IDENTIFY MALICIOUS FILES AND A METHOD THEREOF	202241000989	07.01.2022	Yet to publish		
37.	Dr. Anirban Ghosh CHEBROLU, Tanishq Taraka Sai	ECE	A WEARABLE FACE SHIELD	202241000990	07.01.2022	21 st January 2022		

SRM University – AP
Patents Applied, Published, Granted
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Total No. of Patents Published-33
Total No. of Patents Granted- 01
24th January 2022

	VELLAMPALLI, Aditya Medha Venkata Subrahmanya							
38.	Dr. Sriramulu Bojjagani	CSE	Edge Computing Based Low Computational Image Processing System for Intruder Detection	202241001728	12.01.2022	Yet to publsih		Outside patent, SRM not applicant
39.	Dr. Manikantan, YADLAPALLI, Sai Harshini, KONDAPALLY, Jagruth RAVI, Srihitha	CSE	A NOVEL VIDEO RETRIEVAL SYSTEM AND METHOD BASED ON TEXTUAL INFORMATION	202241002653	17.01.2022	Yet to publsih		

SRM University – AP
Patents Applied, Published, Granted
Total No. of Patent filed-35
Total No. of Patents Published-33
Total No. of Patents Granted- 01
24th January 2022

	CHAUHAN, Shikha							
40.	Dr. V.M, Manikandan B. Padmaja	CSE	A REVERSIBLE DATA HIDING SYSTEM AND METHOD FOR IMAGE TRANSMISSION	202241002654	17.01.2022	Yet to publsih		