

PATENT



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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S.No	Faculty Name	Title of the Patent	Year	Status	Document link
1	Dr. G. Selvabharathi	Design to Exoskeleton Knee Actuator	2023	Registered	View Document
2	Mrs. C. Merlin Rani	Behavior of Steel plates strengthened deep beams with Duct openings	2023	Published	View Document
3	Mr. V. Praveen Jesuraj	Integration of artificial intelligence and internet of things-based Approach to smart renewable energy management in smart cities	2023	Published	View Document
4	Mr. V. Praveen Jesuraj	Artificial Intelligence based eyewear for partially blind person	2023	Published	View Document
5	T. Arulkumar G. Satheesh Kumar P. Mohana karthiga	Noval techniques to enhance the wireless sensor network efficiency through coverage and energy utilization techniques	2023	Published	View Document
6	P. Siva Subramanian	Method and System for optimized control of DC servomotors using PID and Fuzzy PD Controllers	2023	Published	View Document
7	D. Manoj	Smart leaf Detection Device (U.K Design Patent).	2023	Published	View Document
8	k. Rajesh	Machine learning-driven battery health assessment device incorporating Electrochemical impedance spectroscopy	2023	Published	View Document
9	Mr. V. Praveen Jesuraj	A Smart And Safety Enabled Automated Concrete Mixture To Suit The Needs Of Various Types Of Buildings	2022	Published	View Document
10	M. P. Karthik	Effects of Water/Cement Ratio and Curing Time on the Carbonation Process of Reinforced Concrete Structures	2022	Published	View Document
11	Mr. U. Karthick Mr. T. Karthick Munisamy	Heat transfer enhancement using Novel Observer Design in Solar Still	2022	Published	View Document
12	Mr. U. Karthick	Optimization of Thermal Conductivity and Viscosity of Refrigerants	2022	Published	View Document

PATENT

13	Mr. U. Karthick Mr. T. Karthick Munisamy	Thin Film Printing of Solar Cells with Nanoparticles for Efficiency in Performance of Utilization of Solar Energy	2022	Published	View Document
14	Mr. U. Karthick Mr. T. Karthick Munisamy Dr. M. Sabareeswaran	Automatic Dust Collector for Heavy Duty Vehicles	2022	Published	View Document
15	Dr. D. Senthil Kumaran Mr. B. Aravindh Mr. M. Prabhakaran	Multi Optimized Digital Additive Manufacturing System using IoT	2022	Published	View Document
16	D. Manoj P. Siva Subramanian B. Marisekar	Power Theft Tracking and Mitigation in Secondary Distribution Using IOT	2022	Published	View Document
17	G. Selvabharathi	A Method and system for removing Chromium (III) from tannery wastewater	2021	Published	View Document

18	Dr. G. Selvabharathi	Combined Homogeneous and Heterogeneous Advanced Oxidation process for the treatment of tannery waste	2021	Published	View Document
19	Dr. S. Karthigai Lakshmi Dr. C. Sujatha Mr. K. S. Arun kumar Mrs. A. Geetha Mrs. G. Saranya Mr. J. Vetrimanikumar	Intelligent Agriculture System to Assist Farmers in Choosing Better Decisions Using Data Science	2021	Published	View Document
20	P. Siva Subramanian, R. Senthil kumar	Development of an Intelligently connected Distillation device for water purification	2021	Published	View Document
21	Dr. G. Sankaranarayanan	Motorised screw jack	2020	Published	View Document
22	Dr. S. Joseph Dominic Vijayakumar	An Automatic Machine to remove contaminants from vehicle body surface before painting	2020	Published	View Document
23	Dr. S. Joseph Dominic Vijayakumar	IDUC- Door Device Intelligent Device for Unlocking Car Door	2020	Published	View Document
24	Dr. K. Vijayakumar	A Prefabricated blank for Stator and Rotor of an switched reluctance motor	2020	Published	View Document
25	Dr. K. Vinoth Kumar Dr. G. Mohan Babu Dr. V. Eswaramoorthy Mr. R. Carol Praveen Mrs. V. Nivedhitha	Application of NB-IOT in Low Power Radio Frequency Identification	2020	Published	View Document
26	K. Rajesh	Iot Based Proactive Surveillance to Identify Real Time Theft	2020	Published	View Document

PATTENT

27	Dr. N. Balamurugan	Fuzzy Gain Scheduling Speed Controllers Using V/F Method of Induction Motor Drive.	2019	Published	View Document
28	Mr. B. Aravindh Dr. G. Sankaranarayanan Mr. C. Silambarasan	Anti-Piracy Screen	2019	Published	View Document
29	Dr. G. Sankaranarayanan	Method of devising process parameters in Wire cut Electrical Discharge Machining	2019	Published	View Document