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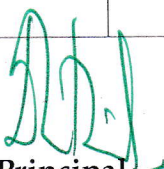
ACADEMIC YEAR 2024 - 2025

Patent Details

S. No	Name of the Authors	Title of work	Department	Registration Number	Status
01	Mr.S.Karthik	Efficient VLSI Design For Low-Power Digital Signal Processing Applications With Power Electronics Integration	Electronics and Communication Engineering	202441015675 A	Published
02	Mrs. A. Aldo Tenis	Talk-to-Text Translator	Computer Science Engineering	6366662	Published
03	Mrs. A. Aldo Tenis	Smart Attendance Systems in E-Learning: Harnessing IoT And AI for Enhanced Classroom Analytics	Computer Science Engineering	202211055480 A	Published
04	Mrs.M.Moohambikai	Smart Stress detection device	Computer Science Engineering	63362641	Published
05	Mrs.S.Kavitha	Graph theory based Objective measurement of attributes of website; Patent APP No	Mathematics	202341001635	Published
06	Mrs.G.Saranya	Smart Two Wheeler locking system using RFID Technology	Electronics and Communication Engineering	200286(CBR)	Applied
07	Dr.R.M.Sekar	Modified Z Source Converter with ANFIS Controller for Renewable Energy based : MicroGrid System	Electrical and Electronics Engineering	--	Applied


IPR Coordinator




Principal

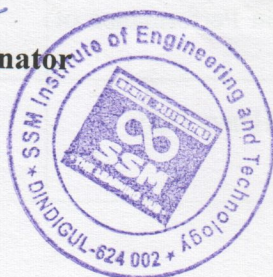
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List of patents filed status

S.No	Faculty Name	Title of the Patent	Month & Year	Status
1	Dr. G. Selvabharathi	Design to Exoskeleton Knee Actuator	2023	Registered
2	Mrs. C. Merlin Rani	Behavior of Steel plates strengthened deep beams with Duct openings	2023	Published
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
4	Mr. V. Praveen Jesuraj	Artificial Intelligence based eyewear for partially blind person	2023	Published
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
8	P. Siva Subramanian	Method and System for optimized control of DC servomotors using PID and Fuzzy PD Controllers	2023	Published
9	D. Manoj	Smart leaf Detection Device (U.K Design Patent).	2023	Published
10	k. Rajesh	Machine learning-driven battery health assessment device incorporating Electrochemical impedance spectroscopy	2023	Published
11	Mr. V. Praveen Jesuraj	A Smart And Safety Enabled Automated Concrete Mixture To Suit The Needs Of Various Types Of Buildings	2022	Published
12	M. P. Karthik	Effects of Water/Cement Ratio and Curing Time on the Carbonation Process of Reinforced Concrete Structures	2022	Published
13	Mr. U. Karthick Mr. T. Karthick Munisamy	Heat transfer enhancement using Novel Observer Design in Solar Still	2022	Published
14	Mr. U. Karthick	Optimization of Thermal Conductivity and Viscosity of Refrigerants	2022	Published
15	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
16	Mr. U. Karthick Mr. T. Karthick Munisamy Dr. M. Sabareeswaran	Automatic Dust Collector for Heavy Duty Vehicles	2022	Published

17	Dr. D. Senthil Kumaran Mr. B. Aravindh Mr. M. Prabhakaran	Multi Optimized Digital Additive Manufacturing System using IoT	2022	Published
18	D. Manoj P. Siva Subramanian B. Marisekar	Power Theft Tracking and Mitigation in Secondary Distribution Using IOT	2022	Published
19	Dr. G. Selvabharathi	A Method and system for removing Chromium (III) from tannery wastewater	2021	Published
20	Dr. G. Selvabharathi	Combined Homogeneous and Heterogeneous Advanced Oxidation process for the treatment of tannery waste	2021	Published
21	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
22	P. Siva Subramanian	Development of an Intelligently connected Distillation device for water purification	2021	Published
23	Dr. G. Sankaranarayanan	Motorised screw jack	2020	Published
24	Dr. S. Joseph Dominic Vijayakumar	An Automatic Machine to remove contaminants from vehicle body surface before painting	2020	Published
25	Dr. S. Joseph Dominic Vijayakumar	IDUC- Door Device Intelligent Device for Unlocking Car Door	2020	Published
26	Dr. K. Vijayakumar	A Prefabricated blank for Stator and Rotor of an switched reluctance motor	2020	Published
27	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
28	<u>K. Rajesh</u>	Iot Based Proactive Surveillance to Identify Real Time Theft	2020	Published
29	Dr. N. Balamurugan	Fuzzy Gain Scheduling Speed Controllers Using V/F Method of Induction Motor Drive.	2019	Published
30	Mr. B. Aravindh Dr. G. Sankaranarayanan Mr. C. Silambarasan	Anti-Piracy Screen	2019	Published
31	Dr. G. Sankaranarayanan	Method of devising process parameters in Wire cut Electrical Discharge Machining	2019	Published

IPR Cell Coordinator



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