

P.V.P SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS), KANURU

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Patents Data from Inception

S. No	Faculty Name	Designation	Patent Application Number	Title	Status (Filed/Published / Granted)	Date	Academic Year	Applicant Position
1	Ragaleeja Dalapati Rao Padmanabha Raju Chinda	Assistant Professor Professor	202341078604 A India Patent	Optimal Placement of Dynaflo Controller Using TOPSIS & NBSP Method	Published	24.11.2023	2023-2024	1,2
2	M. Devika Rani V. Sai Geetha Lakshmi P Muthukumar	Assistant Professor Assistant Professor Associate Professor	202341037131A India Patent	Intelligent Traffic Control System With Emergency Response Capability Using LabView	Published	22-09-2023	2023-2024	1,2,3
3	V. Sai Geetha Lakshmi, P Muthukumar, M. Devika Rani	Assistant Professor Associate Professor Assistant Professor	202341035670 A India Patent	Field Programmable Gate Array (FPGA) Based Speed Control Of An 3-Ø Induction Motor	Published	16-06-2023	2022-2023	1,2,3
4	P Muthukumar, M. Devika Rani, V. Sai Geetha Lakshmi	Associate Professor Assistant Professor Assistant Professor	202341035674 A India Patent	PWM Generation Circuit For Nine Level Asymmetrical Multilevel Inverter	Published	16-06-2023	2022-2023	1,2,3
5	Dr. Nithin S S Dr. L. Padma Suresh Dr.P. Muthu Kumar	Associate Professor	202241031569 A India Patent	Efficient Video Coding Using Multi Resolution Techniques	Published	10-06-2022	2021-2022	3
6	K.Bhavana P.Muthukumar B.Lalitha	Assistant Professor Associate Professor Assistant Professor	202241031322 A India Patent	Moving Robot For Old Age Persons Using IOT	Published	10-06-2022	2021-2022	1,2,3
7	P.Muthukumar K.Bhavana T.Srinivasa rao	Associate Professor Assistant Professor Assistant Professor	202241031326 A India Patent	Digital Circuit Of The PWM Generation For The Conversion Of Symmetrical To Asymmetrical Multilevel Inverters	Published	10-06-2022	2021-2022	1,2,3
8	Dr.P.Muthukumar	Associate Professor	202241018086 A India Patent	Optimized Switching Angle Modulation Scheme for Asymmetrical Cascaded H Bridge Multilevel Inverters	Published	8-04-2022	2021-2022	1

9	Dr. KUMAR CHERUKUPALLI	Associate Professor	202141060806 A India Patent	A Pseudo Linear Enhanced Phase-Locked Loop-Based Control System For control of Distribution Static Compensator in Distribution Network	Published	04-02-2022	2021-2022	3
10	Dr.Kumar Cherukupalli	Associate Professor	202141030198 A India Patent	Generation of Reference current using single phase source load system based control algorithm for DSTATCOM	Published	16-07-2021	2021-2022	5
11	Mr.Madapu Hemanth sai	Assistant Professor	202141027634 A India Patent	Hybrid Energy System with optimization to draw more energy	Published	09-07-2021	2021-2022	2
12	Sai Geetha Laskshmi Valluru	Assistant Professor	202141021959 A India Patent	Human Activity Recognition using Spiking Neural Network	Published	02-07-2021	2021-2022	3
13	Dr.Nidumolu Vijayaanand	Associate Professor	202141017212 A India Patent	Interactive Electronic Smart Fabrics And A device for remotely monitoring the vital parameters	Published	23-04-2021	2020-2021	1
14	Mrs.M.Devika Rani	Assistant Professor	202141020401 A India Patent	AN AI Based system for Glucose monitoring and determining compliance	Published	11/06/2021	2020-2021	5
15	Mr. Moturuseshu	Assistant Professor	202141012214 A India Patent	An AI Abetted Green Energy Generating Systems	Published	02.04.2021	2020-2021	8
16	Mr B Bala Sai Babu	Assistant Professor	202141006112 A India Patent	Solar Powered And IOT Enabled Reconnaissance Warfare Robot	Published	19.02.2021	2020-2021	3
17	Dr. Kumar Cherukupalli, P Venu Madhav	Associate Professor	202041051463 A India Patent	A Method And A Device For Object Detection	Published	04.12.2020	2020-2021	1 4
	Mr Melimi Ravi Kumar	Assistant Professor	2020103761 Australia Patent	Optimal Design of Modular DC-DC Converter Combined With Series Resonance Converter For Energy Integration	Published	29-11-2020	2020-2021	8
18				Granted (Australian Patent)	17.03.2021	2020-2021		
19	Dr.CH. Padmanabha Raju, D.Ragaleela	Professor Assistant Professor	202041033635 A India Patent	Optimal power flow analysis using the particle movement bee colony algorithm	Published	21.08.2020	2020-2021	1 2

20	Dr.Anbarasan Annamalai	Associate Professor	202041039622 A India Patent	Design and Development of Novel Billing and Payment Management Shopping Cart	Published	25-09-2020	2020-2021	2
21	Dr.P.Muthukumar	Associate Professor	202041020980 A India Patent	Unified Power Converter	Published	05-06-2020	2019-2020	1
					Granted	05.01.2021	2020-2021	
22	Dr N.Vijaya Anand	Associate Professor	202041047751 A India Patent	lot Based Municipal Garbage Monitoring System For Smart Cities	Published	02-11-2020	2020-2021	1
23	Mrs.Ragaleela Dalapati rao Dr. Padmanabha Raju Chinda	Assistant Professor Professor	202041040800 A India Patent	Power Flow Control In Transmission Lines Using Dynaflow Controller	Published	02-10-2020	2020-2021	1
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