

PATENTS GRANTED

Sl. No:	Title	Inventor/s Name	Application No:	Patent No	Date of Grant	Date of publication
1	System for mitigating circulating current in type modular multilevel converter.	Dr. M. Balasubba Reddy Dr. P. Venkat Prasad	202141049019 A	510336	13-02-2024	27-10-2021
2	Design of Power Quality Analyzer (PQA) using Field Programmable Gate Array (FPGA)	Dr M Balasubbareddy, Dr P. Venkata Prasad	202241010487 A	558514	22-01-2025	04-03-2022

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1.	System for mitigating circulating current in type modular multilevel converter.	Dr. M. Balasubba Reddy Dr. P. Venkat Prasad	202141049019 A	45/2021	05-11-2021	52390
2.	IoT Based Automation of Industry Using Optimized Robotics Process.	Dr. N.V. Vasantha Gowri Dr. T. Murali Krishna	202141031661 A	33/2021	13-08-2021	35771
3.	A Power transmission network based on optimal generalized interline power flow controller (OGIPFC) for optimal power flow for complex networks to meet increased load demand.	Dr. M. Balasubba Reddy Dr. P. Venkat Prasad	202141023572 A	24/2021	11-06-2021	26338
4.	A low-cost portable earth detecting safety plug point	Dr. T. Sudhakar Babu	202141006933 A	09/2021	26-02-2021	9832
5.	Intelligent Motion Detecting Sensor For Domestic Application	Dr. Ahmad Syed	202141055280 A	50/2021	10-12-2021	60101
6.	Islanding detection for inverter based distributed generation with low frequency current harmonic injection through q controller and rocof analysis	P. Hemeshwar Chary N. Santosh Kumar	202141027908 A	28/2021	09-07-2021	30765
7.	Sizing analysis of hybrid dc fast charging system for electric vehicles	P. Hemeshwar Chary N. Santosh Kumar	202141024243 A	26/2021	25-06-2021	28196
8.	Solar Powered Iot Based Air Quality Monitoring And Purification System	Dr. K Krishnaveni	202241068183 A	48/2022	02-12-2022	76320

9.	A hybrid power energy management system	Dr.N.Vasantha Gowri Dr.T.Murali Krishna Dr.G.Suresh Babu	202241049658 A	36/2022	09-09-2022	56633
10.	Design of Power Quality Analyzer (PQA) using Field Programmable Gate Array (FPGA)	Dr M Balasubbareddy, Dr P. Venkata Prasad	202241010487 A	09/2022	04-03-2022	12526
11.	Improve Energy Efficiency and Power Control: A review at 5G Wireless Technologies	Mr. Devareddy Harsha Dr. K.KrishnaVeni Dr. Ch. V. Krishna Reddy	202241002105 A	05/2022	04-02-2022	6248
12.	Parameter optimization for 5g transmission	C Harish C H V Krishna Reddy	202241003819 A	05/2022	04-02-2022	6332
13.	Optimized switching angle modulation scheme for asymmetrical cascaded H bridge multilevel inverters	Dr. T. Sudhakar Babu	202241018086 A	14/2022	08-04-2022	21812
14.	Hardware design of FPGA based unified power quality conditioner(UPQC)	Dr M Balasubbareddy, Dr P. Venkata Prasad	202241076313 A	01/2023	06-01-2023	588
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23.	Techno-environmental feasibility assessment of a standalone photovoltaic system.	Dr. N. Vasantha Gowri	202341087248 A	01/2024	05-01-2024	732
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27.	A smart autonomous power control and management between standalone dc micro grids	Mrs. D. Sushma	202441064453 A	35/2024	30-08-2024	77607
28.	Optimal design of wireless charging for an electric vehicle charging station	Dr M Balasubbareddy Dr. K. Krishnaveni Dr. Madhulika Das Dr. P. Kowstubha	202541009861 A	08/2025	21-02-2025	18874
29.	Low profile solar- Powered wireless gateway for distributed sensor network	Dr. T. Murali Krishna Dr. N. Vasantha Gowri Dr. K. Krishnaveni Dr. G. Suresh Babu	202541057265 A	26/2025	27-06-2025	62087
30.	Low profile solar- Powered wireless gateway for distributed sensor network	Dr. T. Murali Krishna Dr. N. Vasantha Gowri Dr. K. Krishnaveni Dr. G. Suresh Babu	202541057265 A	26/2025	27-06-2025	62087
31.	Design Of Internet Of Things (IOT) Based Smart Power Quality Analyzer (SPQA)	Dr. M. Balasubbareddy Jagriti Saini Rajasekhhar Reddy Manyam Dr. T.Sudhakar Babu	202541084116 A	43/2025	24/10/2025	105014
32.	Design of intelligent IOT based dc micro grid for rural electrification	Dr. M. Balasubbareddy Dr. P. V. R. Ravindra Reddy Dr. Madhulika Das Dr P. Venkata Prasad Dr. Kowstaba Palle	202541097666 A	46/2025	14/11/2025	111565