

DEPARTMENT OF ELECTRICAL ENGG, NIT CALICUT
LIST OF PATENT APPLICATIONS FILED AND PUBLISHED

Sl No	Date of Filing	Application Number	Department	Name Of Inventors	Title	Publication Date
2019-2020						
1	31.10.2019	201941044164	EED	Jagadanand Ibrahim Rinsha	A System For Remote Real Time Condition Monitoring Of Multi-Level Inverters	07.05.2021
2020-2021						
2	05.06.2020	202041023622	EED	Narayanan Reema Gangadharan Jagadanand Sasidharan Nikhil Pisharam Shreelakshmi Meleetil,	Active Balancing Method For Strings Of Ultra Capacitors	10.12.2021

2023-2024

3	24.07.2023	202341049733	EED	1. Reema Narayanan 2. Dr. Jagadanand Gangadharan 3. Dr. Nikhil Sasidharan 4. Dr. Shreelakshmi Meleetil Pisharam	A Cascaded Modular Equalizer For Balancing An Ultracapacitor Bank	01.09.2023
2024-2025 (Till 30th September 2024)						
4	05.07.2024	202441051670	EED	1. Mahi Teja Talluri 2. Dr. V. Karthikeyan 3. Gouri Sankari S 4. Anupama Asha 5. Harikrishnan G Kaimal 6. Gourishetty Soumya	A Switched Inductor With Current Shared Network Dc-Dc Converter For On-Board Electric Vehicle Charger	12.07.2024
5	19.08.2024	202441062617	EED	Dr. Nikhil Sasidharan Dr. Rijil Ramchand Muhammedali Shafeeque K	A High-Gain Single-Stage Buck-Boost Inverter With Enhanced Dc Utilization	30.08.2024
6	19.08.2024	202441062614	EED	Dr. Nikhil Sasidharan Dr. Jagadanand Gangadharan Kannan S A	High-Efficiency Field-Oriented Control System With Asymmetrical Cascaded H-Bridge Multilevel Inverter For Enhanced Pmsm Performance	30.08.2024

7	11.06.2024	202441044971	EED	Dr. Nikhil Sasidharan Kannan S A Renuka V S Frieda Mohan	Back-Stepping Controller Based Droop-Free Control System For Parallel Dc Distribution With Improved Stability And Transient Response	21.06.2024
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Details of Patents Granted

2022-2023							
SL NO	APPLICATION NUMBER	DEPARTMENT	INVENTOR	TITLE	FILING DATE	GRANTED DATE	PATENT NUMBER
2023-2024							
<u>1</u>	201941044164	EED	Jagadanand, Ibrahim, Rinsha	A System for Remote Real Time Condition Monitoring of Multi-Level Inverters	31.10.2019	06.03.2024	521166

2	202041023622	EED	Narayanan, Reema, Gangadharan, Jagadanand, Sasidharan, Nikhil, Pisharam, Shree Lakshmi Meleetil,	Active Balancing Method for Strings of Ultra Capacitors	05.06.2020	15.03.2024	528392
2024-2025							
3	202341049733	EED	Reema Narayanan, Dr. Jagadanand Gangadharan, Dr. Nikhil Sasidharan, Dr. Shree Lakshmi Meleetil Pisharam	A Cascaded Modular Equalizer for Balancing an Ultracapacitor Bank	24.07.2023	30.04.2024	535941