

Details of Publications/Patents

Summary

Patents	National Conference	International Conference	National Journal	International Journal
01 Granted 01 RQ Filled 01 Published	01	09	Nil	03

• Patents

Sr. No	Title	Inventor	Application Number	Status
1	System and Method for Monitoring and Controlling Streetlights	Mr. Akshay Kadu	201821016274	Granted
2	Ash level detector in hopper/container	Mr. Akshay Kadu	202021047622	RQ Filled
3	Reduced Switch Multilevel Inverter	Dr. S.G.Kadwane Mr. Akshay Kadu	3677/MUM/2015	Published

• International conferences

1. Akshay D Kadu, "Design and analysis of Z source multilevel Inverter for speed control of Induction motor." has been presented in Scopus Indexed International Conference on Computational Intelligence in Engineering Systems (ICCIES-2021)
(Receive Best paper Award)
2. Akshay D. Kadu ; Prashant Debre Dhananjay R Tutakne, "Analysis of Z source based multilevel inverter using MATLAB, IEEE 2018 International Conference on Smart Electric Drives and Power System (ICSEDPS-2018)
3. Akshay D. Kadu ; Prashant Debre ; Rahul Juneja ; Nivedita Pande, "Application of STATCOM for harmonic mitigation and power factor improvement using direct current control technique" in Proc. IEEE 2nd International Conference on Electrical, Computer and Communication Technologies (ICECCT 2017), 22-24 Feb. 2017.
(Receive Best paper Award)
4. Akshay Kadu ; Prashant Debre ; Nivedita Pande ; Tripti Rai, "Analysis of reduced switch multilevel inverter", IEEE 2017 International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)Year: 2017
5. Nikita Kshirsagar ; P. D. Debre ; Akshay Kadu ; Rahul Juneja. "Design of three phase Z-source inverter for solar photovoltaic application, IEEE 2017 International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS)
6. Nivedita Pande ; S. P. Gawande ; P. D. Debre ; M. R. Ramteke ; Akshay Kadu, "Power quality improvement of a non-stiff system using DSTATCOM with state feedback switching control" IEEE 2017 International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)Year: 2017

7. Gunwanta Junghare ; Prashant Debre ; Akshay Kadu, “Analysis of Doubly Fed Induction Generator interconnected with grid under normal and abnormal condition”, 2016 IEEE 1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES)
8. Akshay Kadu, Prashant Debre and Prashant Mawale, “Understanding the operation of STATCOM using Direct Current Control Method” , International Conference on Recent Trends & Innovation in Engineering & Technology-Dec. 2014. Hosted by DMIETR, Wardha. **(Receive Best paper Award)**
9. Akshay Kadu and Sumant Kadwane, “Analysis of Z-source Based Multilevel inverter using MATLAB”, MGI PG Conference 2014 organized by R & D Quality of Publications, YCCE, Nagpur. **(Receive Best paper Award)**

- **National conferences**

1. Akshay Kadu and Pranay Raut, “Reactive power flow control to minimize active power losses” A National Level Technical Events for Engineering students, Organized JIT, Nagpur 2011.

- **International Journals**

1. Performance Analysis of Four Leg Voltage Source Inverter Fed Two Phase Induction Motor for Low Power Application, IOSR-JEEE, Volume 11, Issue 3 Ver. I (May. – Jun. 2016), PP 57-64, Paid,3.26
2. A Comparative Performance analysis of ENERCON 3MW E-82 E3 Wind Generator for Vijaydurg, Chalkewadi and Pachgani location of Maharashtra, India
3. Analysis of DFIG based Wind Energy System with Grid Integration under normal and abnormal conditions, IOSR-JEEE, Volume 10, Issue 2 Ver. III (Mar – Apr. 2015), PP 46-52, paid,3.26