

## Faculty Profile



### Ms. S. Priyadarshini

Assistant Professor EEE/ ACOE,  
Hindustan Institute of Technology and Science  
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**Experience: Teaching Experience:** 3 yrs.

**Research Experience:** 1 yr

Worked as “Junior Research Fellow” in MNRE funded project undertaken by Hindustan Institute of Technology and Science titled on “hybrid energy management using cyber physical controller for real time EMS of micro- grid application” ( Aug 2016 – June 2017).

### Research area:

- Power Electronics, Renewable Energy, Energy Management system

### Recent Publications

1. Karthikeyan, R., Parvathy, A.K., **Priyadarshini, S**, “Energy optimization of residential energy management in micro grid using cyber physical controller” International Journal of Advanced Trends in Computer Science and Engineering, Vol 9 (2), March -April 2020 <https://doi.org/10.30534/ijatcse/2020/41922020>
2. Poushali Pal, Devabalaji K. R, **S. Priyadarshini**. “Design of battery management system for residential applications, SSRG International Journal of Engineering Trends and Technology, Vol 68 (2),2020:12-17 DOI: 10.14445/22315381/IJETT-V68I3P203S
3. Pavan Kumar Reddy Nalladhimmu, **Priyadarshini S**, “Solar panel cleaning robot”, AIP Conference Proceedings DOI: 10.1063/1.5032029
4. J. Praisya Faith,**S.Priyadarshini**,Adarsh Vijayan Pillai, “Implementation of edge preserved denoising technique for impulse noise removal in images” IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, (2018), DOI: 10.1109/ICPCSI.2017.8392099
5. R. Karthikeyan, A.K. Parvathy, **S. Priyadarshini** “Community Energy Sharing in a Micro grid Architecture with Energy Storage and Renewable Energy Support” IOP Conference Series: Earth and Environmental Science 573 (2020) 012023  
a. doi:10.1088/1755-1315/573/1/012023

6. K. Nandakumar, Adarsh Vijayan Pillai, **S. Priyadarshini**, R. Sitharthan, K. R. Devabalaji, “Design of Low Cost Wireless Surveillance System for Aircraft” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-2, December, 2019
7. Adarsh vijayan pillai, K.Nandakumar, **S.Priyadarshini**, K.R. Devabalaji, “Economic dispatch problem using whale optimization algorithm”, International Journal of Pure and Applied Mathematics, Vol.117,N0. 22,pp-253-257
8. S. Selvagawtham, E. Thiruvikram, M. BijoMerlin, **S. Priyadarshini**, “Implementation of Infrared Remote Control System for Home Appliances” in IJARMATE, ISSN 2454-9762, Volume III, Issue I, January 2017
9. **S. Priyadarshini**, P. S. Mayurappriyan, S. Arulselvan, M. BijoMerlin, “Remedial measures to overcome Low Voltage Ride Through problem for wind turbine driven DFIG”, Middle-East Journal of Scientific Research 24 (S2), ISSN 1990- 9233,pp. 351-359, May 2016
10. M. BijoMerlin, Dr. P. S. Mayurappriyan, M. Saravaan , **S. Priyadarshini**, “Impact of Low Voltage Ride Through Issues in Grid Connected Wind Turbine Driven Squirrel Cage Induction Generator”, International Journal on Science and Innovative Engineering & Technology (IJSIET), ISBN 978-81-904760-8-9, Vol. 1, No.1(2016).
11. Dr.P.DeivaSundari ,S Balaji ,Shanti ganesh ,**Priyadarshini**, “A Magneticless Nx DC-DC Converter For Solar PV System”, International Journal Of Applied Engineering Research, ISSN 0973-4562, Vol. 9 No.25 (2014), pp. 8636-8638.