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SAI RAM INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Name : Dr.G.Prakash
 Designation : Associate Professor
 Email : prakash.eee@sairamit.edu.in
 Qualification : M.E., Ph.D.,
 Specialization : Power Electronics and Drives
 Research Interest : Power Electronics



Experience in years : **Teaching** UG PG **Industry**

No. of Workshop/Conferences/
 FDP attended : Workshop Conferences FDP

No. of Workshop/Conferences/
 FDP Organized : Workshop Conferences FDP

Professional Membership	-ISTE
Publications	National :-01
	International:13
	Book :-NIL
Research Funded Projects	NIL
Patents	NIL

Achievements	<ul style="list-style-type: none"> ● Obtained 100% result in Electrical Drives and Controls ● Obtained 100% result in Electrical Energy Generation Utilization and Conservation(3) ● Obtained 100% result in Basic Electrical & Electronics Engineering (2) ● Obtained 100% result in Electrical Machines-II ● Obtained 100% result in Protection and Switchgear ● Obtained 100% result in Electronic Devices and Circuits
Any Other Information	<ul style="list-style-type: none"> ● NAAC Coordinator ● Alumni Coordinator ● Project Exhibition Coordinator ● Department Placement Coordinator

List of Publications:-

1. **G.Prakash**, C.Subramani, C.Bharatiraja & Mohammad Shabin" *A low cost single phase grid connected reduced switch PV inverter based on Time Frame Switching Scheme*", International Journal of Electrical Power and Energy Systems, Elsevier, Vol.77, pp.100-111, 2016. SCI.,(SJR Rating:1.562, SCOPUS-H Index-79)
2. **G.Prakash** & C.Subramani," *Modulation and Analysis of Quasi Z-Source Inverter for Solar Photovoltaic System*", Indian Journal of Science and Technology, Vol.9(19) pp.01-07, 2016 (SJR Rating: 0.27, SCOPUS-H Index-25)
3. **G.Prakash** & C.Subramani," *Space Vector and Sinusoidal Pulse Width Modulation of Quasi Z-Source Inverter for Photovoltaic System*", International Journal of Power Electronics and Drive Systems, Vol.7(3) pp.601-609, 2016 (SJR Rating: 0.249, SCOPUS-H Index-09)
4. **G.Prakash** & C.Subramani," *Grid Connected Reduced Switch Inverter for Solar Photovoltaic Systems*", International Journal of Control Theory and Applications, Vol.9(16) pp.8313-8323, 2016 (SJR Rating: 0.17, SCOPUS H Index-09)
5. C.Subramani & **G.Prakash** ,"*Analysis of Buck Converter for Permanent Magnet Generator in Wind Power Generation* ", International Journal of Control Theory and Applications, Vol.9(14) pp.6875-6873, 2016 (SJR Rating: 0.17, SCOPUS H Index-09)
6. K.Dhineshkumar, C.Subramani & **G.Prakash** " *Analysis of Multilevel Inverter with Boost Converter for Single Phase System*", International Journal of Control Theory

and Applications, Vol.9(33) pp.247-253, 2016 (SJR Rating: 0.17, SCOPUS ,H Index-09)

7. **G.Prakash**, K.Dhineshkumar & P.Rathnavel ,"*Design and Simulation of Synchronous Buck Converter for Permanent Magnet Generator in Low Power Applications* ", International Journal of Engineering Management and Research , Vol.5(5) pp.280-285, 2015.
8. P.Rathnavel, Baldwin Immanuel, **G.Prakash**," *Road Tyre Friction Electrical Potential Utilization in Electrical Potential* ", International Journal of Engineering Management and Research , Vol.5(5) pp.246-251, 2015
9. **Prakash, G.**, Subramani, C., Dhineshkumar, K., Rayavel, P.,"Analysis of Extended Z-source Inverter for Photovoltaic System",Journal of Physics: Conference Series , Vol.1000 pp.1-7 (SJR Rating: 0.24, SCOPUS-H Index-59)
10. Dhineshkumar, K., Subramani, C., **Prakash, G.**," Analysis and comparison of 13 level inverter ",Journal of Physics: Conference Series , Vol.1000 pp.1-7 (SJR Rating: 0.24, SCOPUS-H Index-59)
11. Surenderanath, S., Rathnavel, P., **Prakash, G.**, .," Simultaneous DC and three phase output using hybrid converter",Journal of Physics: Conference Series , Vol.1000 pp.1-7 (SJR Rating: 0.24, SCOPUS-H Index-59)
12. Rayavel,P., Surenderanath, S., Rathnavel, P., **Prakash, G.**," Emergency automatic signalling system using time scheduling",Journal of Physics: Conference Series , Vol.1000 pp.1-7 (SJR Rating: 0.24, SCOPUS-H Index-59)
13. Krishnan,D., Subramani, C., **Prakash, G.**, " PV based thirteen level multilevel inverter for photovoltaic systems ", International Journal of Pure and Applied Mathematics , Vol.1000 pp.1-7 (SJR Rating: 0.24, SCOPUS-H Index-59)
14. Dhineshkumar, K., Subramani, C., **Prakash, G.**," Performance analysis of nine level inverter with R and RL load ", International Journal of Pure and Applied Mathematics , Vol.1000 pp.1-7 (SJR Rating: 0.24, SCOPUS-H Index-59)

List of Patent : NIL

Workshop / Conferences / FDP Attended:-

Workshop / Seminar:

1. Attended the faculty training programme on "**Instructional Design and Delivery**" organized by national institute of technical teachers training in St Peters Engg college, Chennai,Tamilnadu
2. Attended the faculty training programme on "**Effective Teaching Technique**" at

St Peters Engineering College, Chennai, Tamilnadu

3. Attended two days National workshop on **Effective Writing in Engineering Journal Paper and Thesis** at SRM University, Chennai
4. Attended three days Training on **Solar PV System Design** at Hindustan University, Chennai
5. Attended two days workshop on **Electromagnetic Field Theory & Transmission Lines** at Sri Sai Ram Institute of Technology, Chennai
6. Attended one day workshop on **Recent Trends in Renewable Energy**, at Sri Sai Ram Institute of Technology, Chennai
7. Attended one day workshop on **How to write Research Papers for Refereed Journals** at Sri Sai Ram Institute of Technology, Chennai

International/National Conference:

1. **G.PRAKASH**, "Design and Development of Z source Converters for Low Power Applications" International Conference on ICMOT-2010 at SWARNANDHRA College of Engineering & Technology, AP
2. **G.PRAKASH**, "Analysis, Modeling and Simulation of Synchronous Buck Converter in for PMG in low Power Applications" International Conference on ICSCI-2006 at Pentagram Research Center, Hyderabad.
3. **G.PRAKASH**, "Design and Simulation of Buck –Boost Converter for PMG in low Power Applications" International Conference on IEEE-IICPE2006
4. **G.PRAKASH**, "Design, Development and Testing of Converters for Permanent Magnet Generator in Low Power Generation." National Conference on PCID-2005 at Bannari Amman Institute of Technology, Sathyamangalam.
5. **G.PRAKASH**, "New Control of PV Solar farm as IPFC for increasing Grid Power Transmission Limits" National Conference on ITPED-2016 at Vellamal Engineering College, Chennai.

Workshop / Conferences / FDP Organized:-

1. **Organized Workshop** on "An Overview of AutoCAD Electrical" -28th and 29th
June 2017

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