


<b>Name :</b>	Dr. SANJEEV KUMAR. R. A.	
<b>Designation:</b>	Assistant professor	
<b>Education Qualification</b>	BE, M Tech, Ph.D.	
<b>Teaching Experience</b>	11 years 10 months (Teaching) 02 years (Industry)	
<b>Area of Interest</b>	Power systems, Power Quality, Reliability, Distributed Generation, Energy Management System.	
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<b>Papers Published in International Journals :</b>	<b>18</b>
<b>Papers Published in National Conference :</b>	<b>03</b>
<b>Papers Published in International Conference :</b>	<b>14</b>

**List of Publications: International Journals:**

1. Sanjeeva Kumar R A, Sudarshana Reddy H R and Ananthapadmanabha T, *“Enhancement of Power Quality in Distribution System by Optimal Integration of Distributed Generators Using Hybrid Flower Pollination Algorithm”*, in International Journal of Electrical Engineering and Technology(IJEET), Volume 9, Issue 3, May-June 2018, Pp. 146-153. Impact Factor 8.1
2. Sanjeeva Kumar R A, Sudarshana Reddy H R and Ananthapadmanabha T, *“Multi-Objective Based Analytical Approach For Optimal Placement Of Distributed Generators In Power System”*, in Journal of Emerging Technologies and Innovative Research, Vol5, Issue 7, page no.605-609, July 2018, Impact Factor: 5.87.
3. Sanjeeva Kumar R A, Sudarshana Reddy H R and Ananthapadmanabha T, *“Analytical Approach for Optimal Placement of Distributed Generators in Power System”*, in International Journal of advent in research Technologies (IJRAT), July 2018, Volume 6, Issue 7 Impact Factor of 5.153
4. Sanjeeva Kumar R A, Sudarshana Reddy H R and Ananthapadmanabha T, *“Multi-Objective Based Analytical Approach for Optimal Placement of Distributed Generators in Power System using Logarithmic Voltage Deviation Index,”* in Journal of the electrical system and information technology, Elsevier publications (JESIT) (Under review).

5. Soujanya Kulkarni and Sanjeeva Kumar R A “***Modified Transistor Clamped H-bridge-based Cascaded Multilevel inverter with high reliability***” in International Journal of advent in research Technologies (IJRAT). Volume 6, Issue 6 June 2018 Pp 1354-1360 Impact Factor of 5.153.
6. Jyothi munagalkar and Sanjeeva Kumar R A “***Implementation of 13-Level Inverter for Wind Applications*** “ in International Journal of advent in research Technologies (IJRAT). Volume 6, Issue 6 June 2018 Pp 1366-1370 Impact Factor of 5.153.
7. Sudarshana Reddy H R and Sanjeeva Kumar R A, “***Optimal allocation of distributed generation to mitigate power quality issues***” Journal of Emerging Technologies and Innovative Research, Vol 06, Issue 4, April 2019, Impact Factor: 5.87.
8. Sudarshana Reddy H R and Sanjeeva Kumar R A “***An analytical approach for optimal integration of Distributed Generation for Reliability Assessment***” Journal of Emerging Technologies and Innovative Research, Vol 06, Issue 4, April 2019, Impact Factor: 5.87.
9. Sanjeeva Kumar R A and Ananthapadmanabha T “***Analysis on voltage profile and Transient stability in Distribution grids connected to wind power subjected to uncertain in Distribution system operations using MATLAB/SIMULINK***, an international journal on recent trends in engineering and technology (ijrtet) volume-4 issue 4, 2010
10. Anita and Sanjeeva Kumar R A “***Design of symmetric and asymmetric multilevel inverters***“ in International Journal of advent in research Technologies (IJRAT). Volume 7, Issue 7 May 2019 Pp 682-688 Impact Factor of 5.153.
11. Kavya prayag and Sanjeeva Kumar R A “***power quality analysis of distribution system using hybrid intelligent algorithm by optimal integration of dg’s***” Journal of Emerging Technologies and Innovative Research, Vol 06, Issue 5, May 2019, Impact Factor: 5.87.
12. Sanjeeva Kumar R A and Kavya prayaga” A ***Weighted Sum of Multi-Objective Function based Reliability Analysis with the Integration of Distributed Generation***” International Journal of Engineering and Advanced Technology (IJEAT) Volume-9 Issue-4, April 2020.
13. Bhagyashree and Sanjeevkumar R A “***Elimination of Common Mode Leakage Currents Using Five Level Transformerless Inverter Topology***” ISSN: - 2306-708X ITEE Journal Information Technology & Electrical Engineering Volume 9, Issue 4 August 2020.

14. Bhagyashree and Sanjeevkumar R A “**Multi level Transformer less PV Inverter with Reduced Switching Losses and Elimination of CM leakage Current**” International Journal of Innovative Technology and Exploring Engineering (IJITEE) Volume-9 Issue-11, September 2020.
15. Sumit, R A Sanjeevkumar, *A novel generalised topology of a reduced part count multilevel inverter with level boosting network to improve the quality of supply*, *Global Transitions Proceedings, Volume 2, Issue 2,2021, Pages 238-245, ISSN 2666-285X, <https://doi.org/10.1016/j.glt.2021.08.019>. a Elsvier Publication. (<https://www.sciencedirect.com/science/article/pii/S2666285X21000479>)*
16. Sumit Trimukhe, Sanjeevkumar R A, *Grid interconnected H-bridge Multilevel Inverter for renewable power applications using Repeating Units and Level Boosting Network*, *Global Transitions Proceedings,2021,ISSN 2666-285X, <https://doi.org/10.1016/j.glt.2021.10.005>. a Elsvier Publication. (<https://www.sciencedirect.com/science/article/pii/S2666285X21001114>)*
17. SanjeevKumar R A and Kavya prayaga “**Demand side management in distribution system with Optimal Integration of distributed generation for reliability analysis using demand response**” Lecture Notes in Electrical Engineering, ISSN: 1876-1100 Singapore Pte Ltd. Under the imprint Springer (Accepted for Publication).
18. Sumit Trimukhe and.Sanjeevkumar R A , “**Power Quality Improvement in Grid Connected PV System using Multilevel Inverter and LBC by performing Power Balance**”, Lecture Notes in Electrical Engineering, ISSN: 1876-1100 Singapore Pte Ltd. Under the imprint Springer (Accepted for Publication).

#### **International Conferences:**

1. Sumit Trimukhe and Sanjeevkumar R A, “**Harmonics Reduction in Grid Connected Multilevel Inverter using Reduced Part Count and Level Boosting Topology**”. held virtually on 24<sup>th</sup> and 25<sup>th</sup> October 2021. 2021 IEEE Mysore Sub Section Flagship International Conference (IEEE MYSURUCON-2021).
2. Sumit Trimukhe and Sanjeevkumar R A, A “**Multilevel Inverter with Repeating Units and Level Boosting Circuit for Reliable Power Supply**”. held virtually on 19<sup>th</sup> and 20<sup>th</sup> November 2021. 2021 IEEE International conference on distributed computing, VLSI, Electrical Circuits and Robotics (DISCOVER) (accepted for presentation)

3. Sanjeevkumar R A and Sumit Trimukhe, A **“Grid Connected PV System with Multilevel Inverter using Intermediate Level Boosting Circuit for Power Balance”**. held virtually on 19<sup>th</sup> and 20<sup>th</sup> November 2021. 2021 IEEE International conference on distributed computing, VLSI, Electrical Circuits and Robotics (DISCOVER) (accepted for presentation)
4. Sanjeevkumar R A, Prayaga Kavya, **"Optimization of DG Placement for Demand Side Management in Distribution System with Demand Response,"** *2021 IEEE PES/IAS PowerAfrica*, 2021, pp. 1-5, doi: 10.1109/PowerAfrica52236.2021.9543419.
5. S. Trimukhe and R. A. Sanjeevkumar, **"Power Quality Improvement in Grid Connected PV System using Reduced Part Count Multilevel Inverter by Performing Power Balance,"** *2021 IEEE PES/IAS PowerAfrica*, 2021, pp. 1-5, doi: 10.1109/PowerAfrica52236.2021.9543295.
6. Sanjeevkumar R A and Kavya prayaga **“Demand side management in distribution system with Optimal Integration of distributed generation for reliability analysis using demand response”** , International Conference on Computing and Technological Solutions with Artificial Intelligence [ICCTSAI 2021 Webinar] held on 23 - 25 April 2021 **Society of IT Engineers and Researchers, London UK**
7. Sumit Trimukhe and.Sanjeevkumar R A , **“Power Quality Improvement in Grid Connected PV System using Multilevel Inverter and LBC by performing Power Balance”**, International Conference on Computing and Technological Solutions with Artificial Intelligence [ICCTSAI 2021 Webinar] held on 23 - 25 April 2021 **Society of IT Engineers and Researchers, London UK**
8. Sumit Trimukhe and.Sanjeevkumar R A, **“A Novel Generalised Topology of a Reduced Part Count Multilevel Inverter with Level Boosting Network to Improve the Quality of Supply”**. held virtually on 16th July 2021. International conference on computing system and its applications (ICCSA-2021)
9. Bhagyashree and Sanjeevkumar R A **"Multi-level Transformerless PV inverter Based Real and Reactive Power Injection for Single Phase System,"** *2020 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER)*, 2020, pp. 258-262, doi: **10.1109/DISCOVER50404.2020.9278123**.
10. Sanjeeva Kumar R A, Sudarshana Reddy H R, Ananthapadmanabha T and kavya prayaga **“Power quality analysis on off-grid hybrid power system”** in IEEE ICACCS-2017 on 6th & 07th January 2017 at SECE, TN.
11. Kavya prayaga, Sanjeeva Kumar R A, Sudarshana Reddy HR, and Ananthapadmanabha T and **“Modelling of Nine Level Cascaded H-bridge PV**

***Power Fed Inverter Using Matlab / Simulink***” in IEEE ICACCS-2017 on 6th & 07th January 2017 at SECE, TN

12. Sanjeeva Kumar RA, Pooja k biradar, Subin begum, Syed Kashif Ali “***Stability Analysis on Power System*** “ in IJSRCSEIT 2018| Volume 4 | Issue 6 | ISSN: 2456-3307 1085.
13. Sanjeeva Kumar R A and Soujanya Kulkarni “***Power Quality Analysis of Transistor Clamped H-bridge-based Cascaded Multilevel inverter*** ” in IEEE ICIETS-2018 on 20th & 21st September 2018 at NIEIT, Karnataka.
14. Sanjeeva Kumar R A and Jyothi munagalkar “ ***Power Quality Enhancement by modular Multilevel Converter for Distribution Energy System***“ in IEEE ICIETS-2018 on 20th & 21st September 2018 at NIEIT, Karnataka.

International Symposiums:

1. Sanjeeva Kumar R A, presented Abstract entitled” ***Power Quality and Reliability enhancement in power system by optimal integration of distributed generation*** “ ISSGT 2017, **IEEE-PES** Bangalore Chapter at NIEIT, Mysuru on Jan 27-28, 2017
2. Sanjeeva Kumar R A presented a research abstract titled “***Power Quality and Reliability enhancement in the power system by optimal integration of distributed generation.***” ISAPDE, **IEEE-PES** Bangalore Chapter at NIE, Mysuru on Aug 28-29, 2015

**National Conferences:**

1. Sanjeeva Kumar R A, presented a paper on “**Analysis on voltage profile & operational --Wind power using MATLAB Simulink**” for National Conference – NCAEE-2010 at NMMIT Nitte from 27th & 28th December 2010.
2. Sanjeeva Kumar R A presented a paper on “**Effects Of Transients On Voltage Profiles In Distribution Grids Connected To Wind Power Using Matlab/Simulink**” for AECT-2011 at MIT Manipal from February 03-05, 2011.

3. Sanjeeva Kumar R A, presented a paper on Analysis On “**Voltage Profiles In Grid-Connected Hybrid Wind/Diesel/ Microturbine Generation System**” at Dr.MV Shetty Institute of technology Moodbidri on October 14th and 15th 2011

**Subjects Taught:** DC and Synchronous Machines, Electric power utilization, Electrical drawing and CAD, Power system operation and control, Power system operation and control, computer techniques in power system . electric power generation, Renewable energy sources, Basic electrical and electronics engineering, Testing and commissioning of electrical equipment, Transmission and Distribution, Electrical design estimation and costing, Transformers and Induction machines, Electrical machine design, Signals and systems, Switchgear and protection, HVDC power transmission, Design of power power converters, Design of embedded system, Electric vehicles and hybrid electric vehicles, Wind and solar energy, DC& Synchronous Machines LAB, Transformers & Induction Machines LAB, Power System Simulation LAB, High Voltage Engineering LAB.

**The role in curriculum development of Electrical & Electronics Engineering Program.**

**Chairman BOE,  
Member of BOS,**

**Details of membership of Professional Bodies : IET, IEEE, ISTE**

**Workshops Attended: 10**