



P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

Faculty Profile

General

Name	<i>Dr. Sunil Kumar C</i>
Designation,	<i>Assistant Professor</i>
Department & Affiliated Institution	<i>Department of Electrical & Electronics Engineering, P.E.S College of Engineering, Mandya – 571 401</i>
Research Area	<i>Power Electronics & Solar Energy</i>
Contact Number	<i>+91 9060971110</i>
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Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
<i>Ph. D</i>	<i>DSU</i>	<i>DSU, Bangalore</i>	<i>2023</i>		
<i>M. Tech</i>	<i>NIE, Mysore</i>	<i>VTU, Belagavi</i>	<i>2006</i>		
<i>B.E</i>	<i>STJIT</i>	<i>VTU, Belagavi</i>	<i>2003</i>		

Professional Experience

Organization and Department	Designation	Period	Total Experience
<i>PESCE, E&E</i>	<i>Lecturer (Temporary)</i>	<i>Aug 2006 – Feb 2008</i>	<i>01 year 06 months</i>
<i>PESCE, E&E</i>	<i>Asst. Professor</i>	<i>Feb 2008 – till date</i>	<i>15 years 05 months</i>

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of courses taught)	<i>Undergraduate:</i> 1) <i>Basic Electrical Engineering</i> 2) <i>Operational Amplifiers & Linear IC's</i> 3) <i>Electrical Measurements & Instrumentation</i> 4) <i>HVDC Power Transmission</i> 5) <i>Microcontrollers</i> 6) <i>Utilization of Electrical Power</i> 7) <i>Electrical Machines</i> 8) <i>FACTS</i>
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Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
Awarded	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
Pursuing	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
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Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	<i>00</i>	<i>06</i>
Conferences/Symposia	<i>02</i>	<i>00</i>

Other Important Responsibilities Held in the College

- Autonomous Database and software in charge from 2008 to 2015*

LIST OF PUBLICATION

1. C. Sunil Kumar, Dr. B. Ramachandra, "Comparison of PD Activity in Cylindrical and Cubical Void using MATLAB Simulink", *International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering*, ISSN 2321 – 2004, Vol. 4, Issue 10, October 2016
2. C. Sunil Kumar, "Partial Discharge Analysis of a Solid Dielectric Using MATLAB Simulink" *International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering*, ISSN 2321 – 2004, Vol. 4, Issue 6, June 2016
3. C. Sunil Kumar, Dr. B. Ramachandra, "PD Analysis in Cubical Void With Respect to Geometry of the Void", *International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering*, ISSN 2321 – 2004, Vol. 4, Issue 10, October 2016
4. C. Sunil Kumar, Dr. B. Ramachandra, "PD Analysis in Cylindrical Void With Respect to Geometry of the Void", *International Journal of Innovative Research in Science, Engineering and Technology*, ISSN : 2319-8753, Vol. 5, Issue 12, December 2016
5. C Sunil Kumar, Bebertstar Lyngdoh, Akshay Saini, National Conference on "Partial Discharge Pulse Analysis in Cubical Void Using Simulink", *Innovations and discoveries in Engineering and Technology, Pioneer 2017, May 18th 2017, VVIET, Mysore*
6. C Sunil Kumar, Aishwarya V, Sudharani D R, National Conference on "Partial Discharge Pulse Analysis in Cylindrical Void Using Simulink", *Innovations and discoveries in Engineering and Technology, Pioneer 2017, May 18th 2017, VVIET, Mysore*
7. Sunil Kumar C., Puttamadappa C. and Chandrashekar Y.L., "Power Quality Improvement in Grid Integrated PV Systems with SOA Optimized Active and Reactive Power Control". ***Journal of Electrical Engineering & Technology 23rd August 2022***, ISSN-19750102, <https://doi.org/10.1007/s42835-022-01226-9>
8. Sunil Kumar C., Puttamadappa C. and Chandrashekar Y.L., "Bacterial Foraging and Seagull Optimization Algorithm based THD level Comparison for Flyback Converter in Grid-connected PV System", ***International Journal of Engineering Trends and Technology***, Volume 70 Issue 6, 379-394, June 2022, EISSN-2231-5381, PISSN-2349-0918. <https://doi.org/10.14445/22315381/IJETT-V70I6P238>
9. Sunil Kumar C., Puttamadappa C. and Chandrashekar Y.L., "Bacterial Foraging Optimization Based Maximum Power Point Tracking for Photovoltaic System under Partially Shaded Condition with Interleaved Resonant Fly-back Converter", *ICEECS 2020, Deokali, Uttar Pradesh, 10th & 11th Jan 2020, Article Info Volume 82 Issue: January-February 2020, TEST Engineering & Management, Published by: The Mattingley Publishing Co., Inc.*
10. Sunil Kumar C., Puttamadappa C. and Chandrashekar Y.L., "Power Quality Enhancement in Grid-connected PV System for Z Source Inverter with Seagull Optimization Algorithm", *IEMPOWER 2021, The Institution of Engineering and Technology, Kolkata. (American Institute of Physics Conference Proceedings AIPCP22-AR-IEMPOWER2021-00031)*

11. Sunil Kumar C, Naveen K, Pramodini S P, Hanchate Tryambkeshwar, Nisarga K S
“Comparative Study of Different Voltage Booster Circuit Arrangements”, *International Journal of Progressive Research In Engineering Management And Science*, Vol. 03, Issue 06, July 2023