DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

(Affilated to Visvesvaraya Technological University,Belagavi & Approved by AICTE,New Delhi)
Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Accredited NBA, NAAC with A+, New Delhi

Faculty Name	**Dr P Kasi Viswanathan**
Academic Designation	**Assistant Professor**
Educational Qualification	**BE, ME, Ph.D.**
Experience in Years	**7.2**
Area of Interest	**High voltage (conducting, dielectric & nano materials), insulation, cables, Sensors & Renewable**
Date of Birth	**17.05.1990**
Email ID	**kasiviswap@gmail.com kasiviswap-eee@dsatm.edu.in**

Educational Details

- Ph.D: Anna university (Jan 2016- June 2020) Study on Influence of silicon Nanofillers on Dielectric Properties of Mineral oil- funded project by Department of science and technology, Ministry of science and technology, India
- Master of Engineering: Power Systems Engineering (2012-2014), Sona College of Technology Salem, Tamil Nadu with CGPA of 8.61
- Bachelor of Engineering: Electrical& Electronics Engineering (2008-2012), Sona College of Technology Salem, Tamil Nadu with CGPA of 8.7
- 12th std completed during 2008 with 85.5% from Sri Ramakrishna Saradha Hr sec School.
- 10th std completed during 2006 with 84.6% from Sri Ramakrishna Saradha Hr sec School.

Personal Details

- Hobbies: Reading books, Photography, Listening music
- Languages known: Tamil and English

Professional Experience

- Worked as Assistant Professor in Electrical and electronics engineering department at Mahendra college of engineering, Salem from December 2014 to November 2016
- Worked as Assistant Professor in Electrical and electronics engineering department at AVS college of technology, Salem from December 2016 to October 2017
- Worked as Research fellow in Power engineering research and testing center at Sona college of technology, Salem from December 2017 to March 2021
- Worked as Research Assistant in Power engineering research and testing Centre at Sona college of technology, Salem from March 2021 to October 2021

Publications

International Journals:

- P. Kasi Viswanathan, S. Chandrasekar, P. Balaji S, "Evaluating the Role of Carbon Quantum Dots Covered Silica Nanofillers on the Partial Discharge Performance of Transformer Insulation", Turkish journal of electrical Engineering & Computer Sciences, (Acceptance January 2022)
- M, Shanthakumar, P, Kasi Viswanathan. "Investigation on the partial discharge characteristics of eco- friendly nanofluid insulation of corn oil nanofluid", IET Nanodielectr. Volume 4, 3, pp 130–142, September 2021
- P. Kasi Viswanathan, S. Chandrasekar, P. Balaji S, ""Effect of CQD Surface Treatment on Silica Nanofillers for Lightning Impulse Strength Improvement of Mineral Oil", Volume 14, 4, pp 1–5, April 2021
- P. Kasi Viswanathan, S. Chandrasekar, P. Uthirakumar & G C. Montanari, "Investigations on Novel Carbon Quantum Dots Covered Nanofluid Insulation for Medium Voltage Applications", Springer (SCI)- Journal of Electrical Engineering & Technology, January 2020, Volume 15, Issue 1, pp 269–278
- Kasi Viswanathan P, Aravind A, Mekala K, "Performance Analysis of PSC Controlled UPFC Under Stability Improvement", International Journal of Applied Engineering Research ISSN 0973-4562 Vol. 10 No.46, 2015

International Conference Proceedings:

- P. Kasi Viswanathan, S. Chandrasekar, "Analysis of Partial Discharge Performance of Eco Friendly Liquid Insulation", International Conference on Innovations in Power and Advanced Computing Technologies, Vellore Institute of Technology, 978-1-6654-2690-9/21/$31.00 © 2021 IEEE, November 2021
- P. Kasi Viswanathan, S. Chandrasekar, "Effect of CQD Surface Treatment on Silica Nanofillers for Lightning Impulse Strength Improvement of Mineral Oil", International Conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering), @ SRM Valliammai Engineering College, Chennai
- P. Kasi Viswanathan, S. Chandrasekar, "Investigations on Lightning Impulse Characteristics of Carbon Quantum Dots Modified Silica Nano-fluids", International Virtual **Conference** on Applied Science, Technology, Management and Language Studies (ASTMLS **2020**), @ Sona College of Technology, Salem
- P. Kasi Viswanathan, S. Chandrasekar, "Influence of CQD Modified Silica Nanofillers on PD Characteristics of Transformer Oil", International Conference on Condition Assessment Techniques in Electrical Systems (CATCON 2019), **Indian Institute of Technology Madras**, ©**2019 IEEE,** November 2019
- P. Kasi Viswanathan, S. Chandrasekar, "Influence of Carbon Quantum Dots Modified Silica Nanoparticles on Insulation Properties of Mineral Oil", International conference on high voltage engineering and technology-ICHVET 2019, **CPRI**- Hyderabad, 978-1-5386-7577-9/19/$31.00 ©**2019 IEEE**
- P. Kasi Viswanathan, S. Chandrasekar, "Influence of Semi Conductive Nanoparticles on Insulation Properties of Mineral oil", National Power Systems Conference 2018

(NPSC), **NIT**- Tiruchirappalli, 978-1-5386-6159-8/18/$31.00 ©**2018 IEEE**

- Kasi Viswanathan P, Gopila M, Dr. I Gnanambal, "Analysis of PSC Controlled UPFC Under Varying Load and Transient Conditions", International **Conference** on Electrical, Communication & Computing (ICECC-2014) Tagore Engineering College, Chennai
- Kasi Viswanathan P, Gopila M, Dr. I Gnanambal, "Differential Protection of Transformer Using Fourier Transform Analysis for Discriminating Inrush and Fault Currents" National **Conference** on "Innovative Strategies on Green Energy-computing and applications in power engineering" (ISGEPE2014) Feb14, 2014 @ Sona College of Technology, Salem.

National Conference Proceedings:

- P. Kasi Viswanathan, S. Chandrasekar, "Investigation on Influence of CQD Covered TiO2 Nanoparticles on Insulation Properties of Mineral Oil", National Conference on Recent Trends in Electrical Systems" (RTES'19) Mar 01, 2019, @ Sona College of Technology, Salem

Seminar Attended

- **Webinar** "Robot Systems for E-Mobility" conducted. **2020**. Sona college.

Workshop Attended

- Energy auditing **workshop** at P.S.G tech
- Took part in the Smart Electronics **workshop** at (NIT- Tiruchirappalli)

Awards

- Certification of merit for excellent academic performance during 2009 2012

Best paper award National Conference on Recent Trends in Electrical Systems" (RTES'19)

Academic Activity

- Project guide for final year student projects.
- Lab in charge
- Industrial visit file in charge

Faculty Development Activity/Workshops

- **FDP-** ATAL online FDP on RESEARCH ISSUES IN ELECTRIC VEHICLES, organized by Department of Electrical and Electronics Engineering from 06-11-21 to 11-11-21, Alagappa Chettiar Government College of Engineering and Technology.
- **FDP-** AICTE Sponsored, organized by Department of Electrical and Electronics Engineering from 13-09-21 to 25-09-21, KPR Institute of Engineering and Technology.
- **FDP-** NIRF Sponsored**,** organized by Department of Electrical and Electronics Engineering, VIT Chennai, September 2021.
- **STTP** "Emerging Trends and Research Challenges in Next Generation Wireless Networks" Kongunadu College of Engineering and Technology, Trichy **2021**.
- **STTP**- Recent trends in condition monitoring of high voltage systems, **2020**, Sona

college

- **STTP** Advances in power electronics to renewable energy and e- mobility, **2020** Anurag university

Contact Details

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Bengaluru-560082
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