

Kings College of Engineering

Department of Electrical and Electronics Engineering

Name: Mrs. N. MANGALESWARI	
Designation :	Assistant Professor
Qualification :	B.E., M.E.,(PhD)
Area of Specialization :	Power Electronics and Drives, Control System and Special Electrical Machines
Experience :	Teaching :11 Yrs
	Industry:-NIL
No. of workshop/Conferences/ FDP attended :	35
Publication :	Journal National: - NIL International:01
	Conference National: 05 International: 04
Membership :	Indian Society for Technical Education (ISTE LM47799) Indian Institute of Science (IISc)

CONFERENCE : NATIONAL / INTERNATIONAL

1. Mangaleswari N, Presented a paper on “IoT Based Smart Control of Hybrid Powered Zeta Converter Using SMC Techniques” in the International conference on computational intelligence and industry on 21st March, 2025 at Velammal Institute of Technology, Chennai. ISBN Number (978-81-967851-2-3).
2. Presented a paper on “Hybrid Renewable Energy Source to produce green Hydrogen to create pollution free Environment” at the International Conference on Recent Trends in Engineering & Science – May 2024, Organized by Kings college of Engineering, Pudukkottai.
3. Presented a paper on “Improved single phase Transformer less Inverter with High Power Density & High Efficiency For Grid connected PV system” in the National Conference on Advanced Communication, Computing & Power Systems – on 23rd March 2018 , Organized by St. Joseph’s College of Engineering & Technology, Thanjavur.
4. Presented a paper on “Design and implementation of Smart Energy Meter for the Smart Grid” at the National Conference on “Flourishing areas in Electrical and Electronics Engineering (NACOFEE’ 16), Organized by Kings College of Engineering, Thanjavur.
5. Presented a paper on “Closed loop voltage/ frequency control of induction motor using DSP” at the National Conference on “Emerging trends in Electrical systems (NCETES 2012), Organized by M.A.M College of Engineering & Technology, Trichy.
6. C. Thirugomathi., Mangaleswari. N., Karthika. K., presented a paper titled “Two – Quadrant DC - DC ZVS Quasi Resonant Luo - Converter ”at the National Conference on Recent Trends in Instrumentation & control - 2011, Organized by Jayaram College of Engineering & Technology, Trichy.
7. Presented a paper on “DSP Implementation of Closed Loop v/f Control of AC Induction Machine” at the National Conference on Power Electronics and Drives Application - 2009, Organized by Government College of Engineering, Thirunelveli.

CONFERENCE PUBLICATION

1. “Design and implementation of Smart Energy Meter for the Smart Grid” Published in International Journal of Advanced Research in Basic engineering Science and Technology (IJARBEST) Volume 3, Special Issue 20, December 2016.

FDP /WORKSHOPS/ SEMINARS ATTENDED

1. Participated in 1 week online FDP on “Machine Learning & Deep Learning for educators: Building a foundation for future skills” Poornima College of Engineering, Jaipur, Rajasthan, from 23rd June 2025-27th June 2025.
2. Participated in 2 weeks online FDP on “Leveraging Advanced Power Conversion Systems and Artificial Intelligence for Electric Vehicles” jointly organized by Electronics and ICT Academy, NIT Patna and NIT Tiruchirappalli, from 08th May, 2025- 21st May, 2025.
3. Participated in 1 week online FDP on “Introduction to smart grids and their application in modern power systems” (ISTE and IEEE sponsored FDP) from 7th - 11th Apr 2025 at Poornima College of Engineering, Jaipur.
4. Participated in 1 week online FDP on “Sustainable Development Goals -Interventions and Schemes of Govt. of India” NITTTR, Chandigarh, from 17th Feb, 2025- 21st Feb, 2025.
5. Participated in AICTE Training and Learning (ATAL) Academy online Faculty Development Program on “Renewable energy and Electric vehicles Technology for sustainable futures” from 16th – 21st Dec 2024 at J.J. College of Engineering and Technology.
6. Participated in AICTE Training and Learning (ATAL) Academy online Faculty Development Program on “Exploring Advanced Data Science Tool Techniques and Trends” from 09th – 14th Dec 2024 at Anand Institute of Higher Technology, Chennai.
7. Participated in a National Symposium on “Shock Wave” held at Periyar Maniammai University, Vallam Thanjavur from 27th and 28th Feb 2012, Sponsored by Indian Institute of Science, Bengalure jointly organized by Society for shock wave Research and Department of Electrical and Electronics Engineering.
8. Participated in a two weeks ISTE workshop on “Effective Teaching / learning of Computer Programming” Conducted by Indian Institute of Technology, Bombay from 28th June to 10th July 2010.
9. Participated in a one day workshop on “ Industrial Automation in PLC and SCADA” on 12th Aug 2010 organized by Department of Electrical and Electronics Engineering, Periyar Maniammai University, Vallam Thanjavur – 613 403.

10. Participated in a two day workshop on “ ICT in Education & Information Management” on 4th & 5th May 2010 organized by Department of Electronics and Communication Engineering through ICT, Periyar Maniammai University, Vallam Thanjavur – 613 403.
11. Participated in a National seminar on “Renewable Hybrid Energy System for Rural Areas” held at Periyar Maniammai University, Vallam Thanjavur from 26th and 27th Nov 2009, Sponsored by Ministry of New and Renewable Energy(MNRE), New Delhi and organized by Department of Electrical and Electronics Engineering.
12. Participated in a National workshop on “Power electronics”. NIT, Trichy from 24.06.2006 to 25.06.2006.

GUEST LECTURE DELIVERED:

1. Delivered lecture on “Electrical Machines and their Applications “organized by ISTE Staff chapter, Kings College of Engineering.
2. Delivered lecture on “Renewable Energy Technology “organized by Department of EEE, Jawahar Engineering College, Chennai.