

FACULTY VITAE

Name – Nalinashini G

Education –

Ph. D, Electrical Engineering, Anna University, 2014.

M.E, Power Electronics and Drives, Anna University, 2006.

B.E, Electronics and Instrumentation Engineering, Annamalai University, 1999.

Academic experience –

Dr. M.G.R. Educational and Research Institute, Professor, 2023-Present

R.M.D. Engineering College, Professor, 2014 -2023

R.M.D. Engineering College, Associate Professor, 2012- 2014

R.M.D. Engineering College, Assistant Professor, .2010- 2012

R.M.K. Engineering College, Sr. Lecturer, 2008-2010

St. Peter's Engineering College, Assistant Professor, 2006-2008

St. Peter's Engineering College, Lecturer, 2000-2004

Non-academic experience – NIL

Certifications or professional registrations -

NPTEL Certification on “Introduction to Industry 4.0” and “Industrial Internet of Things” in 2023.

Current membership in professional organizations -

Life Time Member of ISTE (Indian Society for Technical Education), ISOI(Indian Society of Oral Implantologists), IAENG (International Association of Engineers).

Honors and awards-

Certificate of Appreciation for acting as a reviewer for IEEE International Conference on Communication and signal Processing held on 12th & 13th April 2024.

Received Topper 5% Certificate + Silver Medal in NPTEL

Certificate of Appreciation for Innovation Challenge Contest.

Service activities (within and outside of the institution)-

Centre of Excellence In charge for Smart Agriculture

Briefly list the most important publications and presentations from the past five years –

Nalinashini.G,et. al.,”An Indeterminate Configuration for Energy Management in FCHEV System, Proceedings of 2024 2nd International Conference on Disruptive Technologies (ICDT), ISBN 979-8-3503-7106-2

Nalinashini.G,et. al.,”An intelligent identification system for rice leaf disease using transfer learning based CNN" in ICAICGD 2024 held at Ramco Institute of Technology, Rajapalayam, India during February 23-25, 2024–International Conference

Nalinashini.G,et. al.,”Fault Identification in Modified Hybrid Digital Pulse Width Modulation using Triple Modular Redundancy WSEAS TRANSACTIONS on CIRCUITS and SYSTEMS,” DOI: 10.37394/23201.2023.22.16 :E-ISSN: 2224-266X , Volume 22., (Scopus Indexed)2023

Nalinashini.G,et. al.,”Comprehensive Characterization and Antibacterial Evaluation of Synthesized Magnetite Nanoparticles for Enhanced Biosensor Applications: A Multi-Instrumental Study Using FESEM, FTIR, And XRD Analyses, TuijinJishu/Journal of Propulsion Technology ISSN: 1001-4055 Vol. 44 No. 4(2023)(Scopus Indexed)

Nalinashini.G,et. al.,”Investigation on the Mechanical Behavior of Wheat Straw Fiber Reinforced Polypropylene Composites' under track Engineering Materials & Metallurgy in the7th International Conference on Advances in Materials and Manufacturing Technology (AMMT-2023) held in virtual mode on November 3 - 4, 2023

Nalinashini. G,et. al., ”Internet of medical things for abnormality detection in infants using mobile phone app with cry signal analysis, Implementation of Smart Healthcare Systems using AI, IoT,

and Blockchain (2023) | Book chapter DOI: 10.1016/b978-0-323-91916-6.00012-6 Part of ISBN: 9780323919166

Nalinashini. G, et. al., "Enhanced Machine Learning Techniques for Pest Control and Leaf Disease Identification Future Farming: Advancing Agriculture with Artificial Intelligence 2023-10-22 | Book chapter | Investigation DOI: 10.2174/9789815124729123010004 Part of ISBN: 9789815124729

Nalinashini. G, et. al., "Design of inception architecture for skin melanoma classification" Indonesian Journal of Electrical Engineering and Computer Science, Vol. 31, No. 3, September 2023, pp. 1372~1381 ISSN: 2502-4752, DOI: 10.11591/ijeecs.v31.i3

Nalinashini. G, et. al., "Sustainable cooling and heating in smart cities using solar energy system planning" Energy Reports 2022 | Journal article DOI: 10.1016/J.EGYR.2022.09.208 WOSUID: WOS:000886228300022

Nalinashini. G, et. al., "DermICNet: Efficient Dermoscopic Image Classification Network for Automated Skin Cancer Diagnosis, Revue d'Intelligence Artificielle, 2022-12-23 | Journal article DOI: 10.18280/ria.360519 Part of ISSN: 0992-499X

Nalinashini. G, et. al., "AI Based COVID Pneumonia Classifier Using Machine Learning ECS Transactions, 2022-04-24 | Journal article DOI: 10.1149/10701.7289ecst Part of ISSN: 1938-5862

Combined Economic-Emission Dispatch of External Optimization Integrating Renewable Energy Resources Stochastic Wind and Solar, ECS Transactions 2022-04-24 | Conference paper DOI: 10.1149/10701.7325ecst

Nalinashini. G, et. al., "Smart Chronic Disease Consultation Using Machine Learning ECS Transactions, 2022-04-24 | Journal article DOI: 10.1149/10701.7315ecst Part of ISSN: 1938-5862

Nalinashini. G, et. al., "Experimental investigation of modified in-wheel switched reluctance motor with reduced torque ripple for electric vehicles, Electrical Engineering, 2021 | Journal article DOI: 10.1007/S00202-021-01276-8 WOSUID: WOS:000636638100001

Nalinashini. G, et. al., "A study of panic attack disorder in human beings and different treatment methods Journal of Critical Reviews, 2020 | Journal article DOI: 10.31838/jcr.07.08.243 EID: 2-s2.0-85090366194

Briefly list the most recent professional development activities-

Online Faculty Development Programme on NEP 2020 Orientation and Sensitization under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants commission from 18th March to 26th March 2024

Online Faculty Development Programme on "Designing chips with low power artificial intelligence" from 22.04.24 to 01.05.24, Dr. M. G. R. Educational and Research Institute in association with NIT Warangal.

DST-SERB Sponsored two days' workshop on "Artificial Intelligence and IoT Applications in Health Care from 27.12.23 & 28.12.23, Dr. M. G. R. Educational & Research Institute.

Virtual FDP on "VLSI Design" from 18.12.23 to 23.12.23, Dr. M. G. R Educational & Research Institute.

PALS FDP on Virtual labs 15.11.23 to 17.11.23 organized by PALS –NITK Surathkal.

5-Days Training Program on "Hands-On-Approach towards Virtual and Augmented Reality Environment" during 09.10.2023 to 13.10.2023.

Six Days Faculty Development Programme on "Empowering Innovators: Unleashing the Potential of Intellectual Property, Research Funding, Technology and Entrepreneurship organized by Panimalar Engineering College during 24-07-2023 to 29-07-2023.