

FACULTY VITAE

Name –Kumaresan M

Education –

Ph.D., Control System, Dr. M.G.R. Educational and Research Institute University, 2013.

M.E, Power systems, Annamalai University, 2005.

B.E., ECE, Dr.Navalur Nedunchezayan College of Engineering, Madras University, 2002.

Academic experience –

Dr. M.G.R. Educational and Research Institute, Professor 2007 – Present.

Bajarang College of Engineering, Assistant Professor, 2006 to Jul 2007.

Thiruvalluvar College of Engineering, Lecturer, 2005 to 2006.

Non-academic experience –

Silicon Labs Pvt Limited, Chennai, Technician-2003-2004.

RES Q TECHNOLOGIES, Chennai, Technical Assistant, 1998-2001.

Phoenix Medical Systems Pvt Ltd, Chennai, Service Engineer 1996-1998.

Certifications or professional registrations –NIL

Current membership in professional organizations – IEEE (Institute of Electrical and Electronics Engineers)

Honors and awards - NIL

Service activities (within and outside of the institution) -

National Service Scheme

Institutional Social Responsibility Activities

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

G. Merlinsuba, M. Kumaresan, 2022, ‘A hybrid RFOA-DDAO Based voltage Transfer Gain Enhancement through Ultra lift LUO converter and Cockcroft-Walton multiplier’, International Journal of Intelligent systems and Application in Engineering, VOL 10.No.1pp17-27

Vijayaprabhu, A & Kumaresan, M 2022, ‘Wind Turbine Based Current Fed Three Phase Inverter with Model Predictive Control’, International Journal of Electrical and Electronics Research, vol. 10, no. 10, ISSN: 2347-470X, pp. 282-289

G. Merlinsuba, M. Kumaresan, 2022 ‘Design of LLC resonant converter with silicon carbide MOSFET switches and nonlinear adaptive sliding controller for brushless dc motor system’, Electrical and Electromechanics, No 4 pp34-43

Anumolu.Lasmika & M. Kumaresan 2021, ‘IoT Based Car Monitoring System in Car Parking Area Using Wavelet Transform and Support Vector Machine Classifier’ Design Engineering, Issue: 8 Pages: 8729– 8740

Vijayaprabhu, A & Kumaresan, M 2021, ‘PMSG wind Turbine Based Current Fed Three Phase Inverter’, Design Engineering (torrento), no. 8, ISSN:0011-9342, pp. 8966-8975

Review on PV and Battery powered Plug in Hybrid Electric Vehicle with Various Techniques
1Nimmala Mahesh, M. Kumaresan.” International Journal of Advanced Science and Technology” Vol. 29, No. 11s, (2020), pp. 1358-1365.

Briefly list the most recent professional development activities –

International Scientific Conference on” University Science: A look into the Future” from 08.02.2024 & 09.02.2024, Kursk State Medical University, Russia cohosted by Dr. M. G. R. Educational & Research Institute, Chennai.

DST-SERB Sponsored two days’ workshop on “Artificial Intelligence and IoT Applications in Health Care from 27.12.2023 & 28.12.2023, Dr. M. G. R. Educational & Research Institute.

Virtual FDP on “VLSI Design” from 18.12.2023 to 23.12.2023, Dr. M. G. R. Educational & Research Institute.

Faculty Development Program on Recent Trends in Modern Smart Intelligent Systems from 08.05.2023 to 13.05.2023, Dr. M. G. R. Educational & Research Institute.

Faculty Development Program on Communication and computation from 13.12.2022 to 17.12.2022 & 19.12.2022, Dr. M. G. R. Educational and Research Institute.