

Bio Data

PERSONAL DETAILS

Name : **N.KAYALVIZHI**

Designation : Associate Professor

Institution : K.S.Rangasamy College of
Technology, Tiruchengode

Father's Name : R.Nagarajan

Date of Birth & Age : 31.05.1979, 40 Years

Address for communication : Associate Professor
Dept.of EEE
K.S.Rangasamy College of Technology,
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ACADEMIC PROFILE

QUALIFICATION	COLLEGE/SCHOOL	UNIVERSITY/ BOARD	YEAR OF PASSING	PERCENTAGE / CGPA & CLASS
M.E. (Power Systems Engineering)	College of Engineering Guindy, Chennai	Anna University	May' 2007	6.85 CGPA First Class
B.E., (Electrical and Electronics Engineering)	Maharaja Engineering College, Avinashi.	Bharathiyar University	May' 2000	69.47 / First
H.S.C.	St.Mary's Girls Higher Secondary School, Mettur Dam -1	State board	Apr' 1996	72.92 / First
S.S.L.C.	St.Mary's Girls Higher Secondary School, Mettur Dam -1	State board	Mar' 1994	80.00 / First

PROFESIONAL EXPERIENCE

Teaching: 17 years

S.No	Institution	Post held	Period	Experience
1	K.S.R. College of Technology, Tiruchengode	ASP	01.07.2016 Till Date	3 years
2	K.S.R. College of Technology, Tiruchengode	Asst. Professor	07.12.2009 - 30.06.2016	6 years & 5 months
3	Rajalakshmi Engineering College, Chennai.	Senior Lecturer	June 2007 – Nov’ 2009	2 years & 5 months
4	PGP College of Engineering and Technology, Namakkal.	Lecturer	June 2000 – July 2005	5 years and 20 days

JOURNAL PUBLICATIONS/CONFERENCES/WORKSHOPS

Journal Publications	No. of Conferences attended		No. of Workshop/Seminar/STTP
International	National	International	Attended
4	1	5	8

LIST OF PUBLICATIONS

INTERNATIONAL JOURNALS

1. M.Mythili, N.Kayalvizhi, “Comparison of GA and PSO Algorithms in Cascaded Multilevel Inverter using Selective Harmonic Elimination PWM Technique.” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering. Vol. 3, Issue 4, Nov 2013, pp. 8621-8.
2. S.Savitha and N.Kayalvizhi (2016), “Inverters Current Frequency Deviation based Islanding Detection in Grid Connected Photovoltaic System” International Journal of Engineering Sciences and Research Technology ISSN: 2277-9655, Vol. 5, Issue 2, pp. 637-643.
3. S.Savitha and N.Kayalvizhi, “The Support Vector Machine Technique for Islanding Detection in Distributed Generation” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering Vol. 5, Issue 5, May 2016, pp. 4075-4083.
4. M.Mythili, N.Kayalvizhi, “THD minimization in single phase symmetrical cascaded multilevel inverter using programmed PWM technique” 2013 International Conference

on Renewable Energy and Sustainable Energy (ICRESE) Vol. 4, Issue 11, Nov 2013, pp. 1567-1572.

INTERNATIONAL CONFERENCES

1. B Venkatesh, S Chandramohan, N Kayalvizhi, R P Kumudini Devi, “Optimal Reconfiguration Of Radial Distribution System Using Artificial Intelligence Methods”, 2009 IEEE Toronto International Conference Science and Technology for Humanity (TIC-STH).
2. M.Revathy, N.Kayalvizhi, “Interleaved Boost Converter with High Frequency Operation for Dynamic Load” Proceeding of International Conference on Recent Advances in Technology, Engineering, Management & Science.
3. M.Mythili, N.Kayalvizhi, “Harmonic minimization in multilevel inverters using selective harmonic elimination PWM technique” 2013 International Conference on Renewable Energy and Sustainable Energy (ICRESE).
4. C.Srinivasan, N.Kayalvizhi, “Multi-Objective Reconfiguration of Radial Distribution System using AI technique” Proceeding of International Conference on Renewable Energy Utilization (ICREU-2012) on January 04-06, 2012.
5. S.Savitha and N.Kayalvizhi (2016), “Islanding Detection Technology for Grid-connected Wind Based Distributed Generation” proceedings of IEEE conference on Advanced Computing and Communication System (ICACCS-2016), Sri Eshwer College of Engineering, Coimbatore, during 23rd and 24th January.

NATIONAL CONFERENCE

1. M.Revathy, N.Kayalvizhi, “Improving Dynamic Performance and Ripple Reduction by Interleaved Boost Converter” Proceeding of the Fifth National Conference PEDC’11.

THESIS SUPERVISED: FOR M.E. / M. TECH. PROGRAMME

Sl. No.	Title of the Thesis Supervised	Name of the candidate	Completed (year)	In progress (With Status)
1.	Improving Dynamic Performance and Ripple Reduction by Interleaved Boost Converter	M.Revathy	2011	Completed

2.	Multi-Objective Reconfiguration of Radial Distribution System using AI technique	C.Srinivasan	2012	Completed
3.	Comparison of GA and PSO Algorithms in Cascaded Multilevel Inverter using Selective Harmonic Elimination PWM Technique.	M.Mythili	2014	Completed
4.	Grid Interconnection of Hybrid Energy Sources at the Distribution Level with Power Quality Improvement.	M.Natarajan	2014	Completed
5.	Islanding Detection Technology for Grid-connected Wind Based Distributed Generation	S.Savitha	2016	Completed

LIST OF WORKSHOPS / TRAINING PROGRAMMES ATTENDED

Sl. No.	Title	Venue	Duration	Sponsoring Authority
1.	Protection and Switchgear	KSRCT, Tiruchengode.	27.5.2019 – 1.06.2019	Anna University, Chennai
2.	Electric Power System	KSRCT, Tiruchengode.	12.6.2017 – 15.07.2017	MHRD
3.	Industrial Drives Automation and Intelligent Control.	GCE, Salem	1.3.17 – 7.3.17	TEQIP-II
4.	Workshop on Intellectual Property Rights	KSRCT, Tiruchengode.	6.8.16	-
5.	Smart Grid – Technology and Applications.	KSRCT, Tiruchengode.	22.4.16-23.4.16	KSRCT.
6.	Nano-technology for Sustainability: Energy Conversion and Storage.	KSRCT, Tiruchengode.	6.5.13 – 18.5.16	AICTE.
7.	Nano-Dielectric Materials in electrical Insulation Application	KSRCT, Tiruchengode.	16.11.12 – 17.11.12	CSIR – New Delhi
8.	Smart Grid for Distributed Energy Resources	KSRCT, Tiruchengode.	18.11.11 – 19.11.11	CSIR – India

AWARDS RECEIVED

Type of Award	Nature of award	Awarding Institute / Organization
Appreciation for 100% results in University Examination	Certificate of Merit with Cash Prize – 4 times	K.S.Rangasamy College of Technology

KAYALVIZHIN