BIO-DATA

PERSONAL DETAILS

Name   : Dr. G. VIJAYA GOWRI

Qualifications   : B.E., M.E., Ph.D.,

Date of Birth   : 22.10.1977

Age   : 44 Years

Address for Communication   : 2/65, Gudi Street,

                             87-Goundampalayam,

                             Kumaramangalam Post,

                             Tituchengode-637205

Permanent Address   : 2/65, Gudi Street,

                             87-Goundampalayam,

                             Kumaramangalam Post,

                             Tiruchengode-637205.

Mobile Number   : 9442258906

E-mail ID   : vijayagowri@ksrct.ac.in

Marital Status   : Married

Name and Occupation of Spouse   : M. KARTHIKEYAN, Accounts Executive

Mother Tongue   : Tamil

Nationality   : Indian

Religion   : Hindu

Caste   : Kongu Velalar

Community   : BC

ACADEMIC QUALIFICATIONS:

Degree	Branch/ Specialization	Class	% of Marks	Cleared all the papers in single attempt	Name of the Institution	F / P	University	Month & Year of Passing
Ph.D	Bio-fuels	-	-	Yes	Anna University, Chennai	P	Anna University	Oct 2015
PG	Applied Electronics	I Class with Distinction	83%	Yes	K.S.Rangasamy College of Technology, Tiruchengode	P	Anna University	June 2006
UG	Electrical and Electronics Engineering	I Class	70.4%	Yes	Institute of Road and Transport Technology, Erode	F	Bharathiar University	May 1999
HSC/ Diploma	-	I Class	85.92 %	Yes	Municipal Girls Higher Secondary School, Pollachi	F	State Board	April 1995

SSLC	-	I Class	78.4%	Yes	Arokiamatha Higher Secondary School, Pollachi	F	CBSE	March 1993

TEACHING EXPERIENCE :

Sl. No.	Name of the post held	Name of the Employer / Institution	Period of Employment			
			From Date	To Date	Years	Months
1.	Professor	K.S.Rangasamy College of Technology, Tiruchengode	01.11.2015	Till date	4	3
2.	Associate Professor	K.S.Rangasamy College of Technology, Tiruchengode	01.08.2010	31.10.2015	5	3
3.	Assistant Professor	K.S.Rangasamy College of Technology, Tiruchengode	01.07.2006	31.07.2010	4	1
4.	Lecturer	K.S.Rangasamy College of Technology, Tiruchengode	07.06.2000	30.06.2006	6	1
5.	Lecturer	Maharaja Polytechnic, Avinashi	01.06.1999	29.04.2000	-	10

STUDENT PROJECTS SUPERVISED:

UG PROJECTS

- Improvement of power factor of a single phase induction motor using labview
- Design of 1kW AC-AC buck/boost converter using switched capacitor
- Patient health monitoring system using LabVIEW
- Employing firewall security using checkpoint RSPLAT75
- Car showroom management system using Java
- Affordable online housing application using Java
- Hospital management system using Java
- Transformer protection using microcontroller
- A smart meter design and implementation using ZIGBEE
- Speed control of brushless DC motor using LabVIEW
- Hybrid Electric Vehicle with Multiple Charging
- IoT based Liquid Cooling System for Lithium-ion Battery in Electric Vehicle

PG PROJECTS

- Power quality improvement of hybrid wind, solar and diesel generator energy systems using D-statcom
- Efficiency analysis of grid connected hybrid wind-biodiesel electric power generation system
- A multiport interconnected DC-DC converter for multiple photovoltaic sources
- Performance enhancement and maximum power point tracking of PV system using ACO and PSO algorithms
- Photovoltaic system employing artificial intelligent technique for variation of solar irradiation condition

- Design and simulation of solar power plant in 3D model under disparate climatic conditions and shading effects

DISTINCTIONS AND AWARDS RECEIVED:

- Received "Best Library User Award" for the academic year 2018-2019 at K.S.Rangasamy College of Technology, Tiruchengode
- Received "Best Library User Award" for the academic year 2022-2023 at K.S.Rangasamy College of Technology, Tiruchengode

SCOPUS INDEXED JOURNAL PAPERS:

1. G. Vijaya gowri , N. Kanagaraj , C. Muniraj "Investigation of Neem Methyl Ester for Electric Power Generation", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 9, Number 24 (2014) pp. 26987-26998

SCOPUS INDEXED CONFERENCE PAPERS:

1. V Nivetha, G Vijaya Gowri, "Maximum power point tracking of photovoltaic system using ant colony and particle swam optimization algorithms", 2nd International Conference on Electronics and Communication Systems (ICECS), 2015, pp.948-952.
2. Vijaya gowri G, Aruna N, Janadharani S, Varshini N D, "IoT based Lithium-ion Battery Monitoring System in Electric Vehicle", 3rd International Conference on Artificial Intelligence and Smart Systems(ICAIS 2023), pp 1101-1105.

Scopus citations: 7; h-index:1

GOOGLE SCHOLAR INDEXED JOURNAL PAPERS:

1. S.UmaMaheswari, G.Vijaya gowri, "Power Quality Improvement for Hybrid Wind, Sola rand Diesel Generator Energy Systems, Using D-Statcom", in International Journal of Advances in Electrical and Electronics Engineering, ISSN: 2319-1112, Volume 3(1), 2014, pp: 36-46.

2. G. Vijaya Gowri, N Kanagaraj, C. Muniraj, "Investigation of Neem Fatty Acid Ethyl Ester for Electric Power Generation", Indonesian Journal of Electrical Engineering and Computer Science, Volume 14 (1) (2015), pp. 1-8

3. V. Nivetha, G. Vijaya Gowri, A. Elamathy, "An advanced high performance maximum power point tracking method with ant colony and particle swarm optimization method using interleaved boost converter", Indonesian Journal of Electrical Engineering and Computer Science, Volume 14(3) (2015), pp. 376-380

4. A. Elamathy, G. Vijayagowri, V. Nivetha,"Bidirectional Battery Charger for PV Using Interleaved Fourport DC-DC Converter", Indonesian Journal of Electrical Engineering and Computer Science, Volume 14(3) (2015), pp. 428-433

GOOGLE SCHOLAR INDEXED CONFERENCE PAPERS:

1. G. Vijaya Gowri, M. Kannan, A. Murugesan, "Investigation of neem ethyl ester for electrification", International Conference on Power and Energy Systems(ICPS-2011), pp. 1-6

2. T. Ilakkia, G. Vijaya gowri, "Hybrid PV/wind system for reduction of harmonics using artificial intelligence technique", IEEE-International Conference on Advances in Engineering, Science and Management ICAESM-2012), pp.303-308

3. V Nivetha, G Vijaya Gowri, "Maximum power point tracking of photovoltaic system using ant colony and particle swarm optimization algorithms", 2nd International Conference on Electronics and Communication Systems (ICECS- 2015), pp.948-952

4. A. Elamathy, G Vijaya Gowri, "Multiport DC-DC interleaved boost converter supplemented by hybrid system of different capacities PV and battery power system", 2nd International Conference on Electronics and Communication Systems (ICECS-2015), pp. 921-925

Google Scholar citations: 19; h-index:3

OTHER INTERNATIONAL JOURNAL PAPERS:

1. S.Venkateshwaran, G.Vijaya gowri, "Statcom Based Mitigating Power Quality Issues in Grid Connected Wind Energy System Using Labview", International Journal of Advanced and Innovative Research (IJAIR) ISSN No: 2278-7844, Volume 2 (4), 2013, pp. 353-358

2. G. Vijaya gowri , N. Kanagaraj , C. Muniraj "Fuzzy System Based Analysis of Neem Biodiesel for Electric Power Generation Using Labview", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 9, Number 22 (2014) pp. 16521-16534

3. S.UmaMaheswari, G.Vijaya gowri,"A New Topology for Power Quality Improvement for Hybrid Wind, Solar and Diesel Generator Energy System using D-STATCOM", IJCAT International Journal of Computing and Technology, ISSN : 2348 – 6090, Volume 1(2), (2014)

4. V. Nivetha, A.Elamathy, G.Vijaya gowri, "Improving Tracking Efficiency of Photovoltaic System by Using Ant Colony and Particle Swarm Optimization Algorithms", International Journal of Advanced and Innovative Research", ISSN 2278-7844, Volume 3 (12), 2014

5. A. Elamathy, G. Vijaya gowri, "Multiport DC-DC Interleaved Boost Converter Fed to Induction Motor using Hybrid Different Capacities of PV/Battery Power System" in International Journal of Advanced and Innovative Research", ISSN 2278-7844, Volume 3 (12), 2014

6. A.Nandhakumari, G. Vijayagowri "Photovoltaic System Employing Artificial Intelligent Technique for Variation of Solar Irradiation Condition", International Research Journal of Engineering and Technology, ISSN 2395-0072 Volume 2(9) (2015), pp 2130-2135

7. A.Nandhakumari, G. Vijayagowri "Artificial Intelligent Technique for a Photovoltaic System Under Fast Varying Solar Irradiation Condition", International Journal of Trend in Research and Development, ISSN 2394-9333 Volume 3(1) (2016), pp. 50-53

8. A.MohanKumar, G. Vijayagowri, "Design and Simulation of 10kW Solar power Plant under Disperate Climatic 3D Conditions", CIIT International Journal of Automation and Autonomous System, Vol.9, No. 3, March 2017, pp 53-58

OTHER CONFERENCE PAPERS:

1. G.Vijaya gowri, N. Krithika, " Chromosome Image Enhancement using Multiscale Differential Operators", Emerging Trends in Networks high Performance communication system, Adhiyamaan College of Engineering, 10.11 February 2006

2. G. Vijaya gowri, E.Vani, "Investigation on Performance of Parallel LUO Converter", Application on Emerging Technniques, Adhiyamaan College of Engineering, 24 & 25 March 2008

3. G. VijayaGowri, N. Kanagaraj, "Performance Analysis of Neem Methyl Ester Fed Engine Coupled Alternator", 5th International Conference on Computer Applications in Electrical Engineering-Recent Advances, CERA-13, October 3-5, 2013, IIT Roorkee

4. S.UmaMaheswari&G.Vijayagowri, "Hybrid Wind, Solar & Diesel Generator Energy Systems for Power Quality Improvement, Using D-Statcom" International Conference On Renewable Energy Utilization (Icreu-2014), January 8-10 2014,at CIT, Coimbatore

5. A.MohanKumar, G. Vijayagowri, "Design and Simulation of 10kW Solar power Plant under Disperate Climatic 3D Conditions", Proceedings of International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), 24th - 25th, February, 2017, Puducherry, INDIA, Paper ID PEC114

PARTICIPATION IN SUMMER /CONTINUING EDUCATION PROGRAMMES

PROGRAMME	HELD AT	DURATION
AICTE sponsored Seminar on Fuzzy logic application for power system	KSRCT	19th&20th March 2004
Workshop on Embedded controllers for solid state drives	KSRCT	21st , 22nd April 2003
AICTE sponsored Workshop on Research methodology in Computer science	KSRCT Tiruchengode	11 August 2007
Workshop on Embedded controller for electrical systems	Muthayammal Engineering College of Rasipuram	5th, 6th October 2007
Training on Matlab for Engineering applications	PSG College of Technology, Coimbatore	1st , 2nd ,8th , 9th & 22nd March 2008
ISTE Workshop on Control Systems	KSRCT conducted by IIT Kharagpur	02.12.2014 to 12.12.2014
ISTE STTP on Pedagogy for Effective use of ICT in Engineering Education	KSRCT conducted by IIT Bombay	05.01.2015 to 7.01.2015 & 19.01.2015, 08.01.2015 to18.01..2015 & 22.01.2015 to 31.01.2015
Embedded System Design using Atmel Atmega	CIT, Coimbatore	19.04.2016 & 20.04.2016 2 days
Workshop on Deliberations on AICTE Model Curriculum 2018	CIT, Coimbatore	14.07.2018
Online FDP on Digital Transformation-An Introductory Course	Easwari Engineering College, Chennai	08.05.2020 to12.05.2020
Online Webinar on Computer Paradigms	Don Bosco College, Tirupattur	21.05.2020 & 22.05.2020

CONFERENCES/ WORKSHOPS/ SUMMER/ WINTER SCHOOL ORGANIZED:

- Organized one day workshop on 'Power Electronics and Drives' in July 2009
- Organized one day worshop on 'Scilab' in November 2009
- Organized national conference on 'Recent Trends in Electrical Engineering' in March 2010

MEMBERSHIP OF PROFESSIONAL BODIES:

Professional Body	Type of Membership	Position Held
ISTE	LIFE TIME	Member
IEEE	Annual	Member