SRI VENKATESWARA UNIVERSITY, TIRUPATI

1. Name : G.VENKATA MARUTHESWAR
2. DOB : 08-09-1964
2. Gender : MALE

3. Present Designation : Professor

4. Details of qualifying service already rendered up to the present Stage/ Position

S. No.	Designation / Stage	Qualifying Service		Total Number of years
		From	To	
1	Lecturer (Assistant Professor)	4th Nov 1992	26th July1998	5 years 9 months
2	Asst Professor (Senior scale)	27th July 1998	3rd Nov 2002	4 years 3 months
3	Asst Professor (Selection Grade) / Reader	4th Nov 2002	31 Dec 2005	3 years 1 month
4	Associate Professor	1st January 2006	22.12.2012	5 years 4 months
5	Professor	23.12.2012	Till date	

5. Academic Qualifications (Starting from Matriculation / SSC) :

Examination Passed	Name of the University	Year of Passing	Class Secured	% of Marks	Rank	Subjects/Specialization
1	Board of Secondary Education	1978-79	I class with distinction	74.8	-	Telugu,English,Hindi,compositemaths, General Science, Social studies
2	Board of Intermediate Education	1979-81	I class with distinction	76.5	-	Mathematics, Physics, Chemistry
3	S V University College of Engineering	1981-85	I Class	62.5	-	Electrical & Electronics Engg
4	S V University College of Engineering	1988-90	I class with distinction	74.8	-	Instrumentation &Control systems
5	S V University	June 2009	-	-	-	Design and Evaluation of Performance of fuzzy and Integrated Fuzzy controllers for speed control of switched reluctance motor Drive

6.   Research Qualification: Phd., MTech.
       Title: Design and Evaluation of Performance of Fuzzyand Integrated Fuzzy controllers for
       speedControl of Switched Reluctance Motor Drive

7. **Research papers Published :**

Journal papers

1	R V S Satyanarayana, G V Marutheswar, " Human Optic System: Gateway to'Perceptrons" , CSI Communications Journal, April 1994, pp 7-8
2	Ch Chengaiah, G V Marutheswar, R V S Stayanarayana, " Control Setting ofUnified Power Flow Controller Through Load Flow Calculation", ARPNJournal of Engineering and Applied Sciences, Vol-3,No.6, Dec 2008, pp6-10ISSN: 1819-6608.
3	K.Srinivas, R V S Satyanarayana, G V Marutheswar "Artificial NeuralNetwork Based Short Term Load Forecasting in APTRANSCO EHT Feedernetwork", International Journal of Intelligent Information Processing, 3(1)Januray -June 2009 , pp 27-34, ISSN : 0973-3892.
4	Ch.Chengaiah, G V marutheswar, Dr. R V S Satyanarayana, " Voltage sagCompensation Using Interline Dynamic Voltage Restorer" InternationalJournal on Electronic and Electrical Engineering, Vol 01, No.1, Nov 2008,pp 6-13,ISSN 0974-2042.
5	G.V.Marutheswar, Prof.M.Muralidhar, "Design and Evaluation ofPerformance of Hybrid Fuzzy Controller for Switched Reluctance Motor",**IET Journal of Research**, June 2009, pp24-28.
6	Dr.G.V.Marutheswar, RaviprakashMagisetty, " The future Generation of LowEnergy Loss HVDC Power Ssytem Using HTS Cable and Loss Comparison ofConventional Copper and HTS conductors (Accepted for Publication IJEET)2011.
7	K.R.Vadivelu, Dr.G.V.Marutheswar, "ArtificialNeural Networks for online Assessment of Voltage Stability using FVSI in Power Transmission Systems", IOSR Journal of Electrical and Electronics Engineering, Vol.7, pp.52-58, Sep-Oct, 2013. **(Scopus Impact Factor: 0.44).**
8	K.R.Vadivelu, Dr.G.V.Marutheswar, "Soft computing technique based reactive power planning using NVSI",Journal of Electrical Systems Vol.11, Issue-1,pp-89-101,March,2015.**(Scopus:0.373 and EiCompendex indexed journal)**
9	K.R.Vadivelu, Dr.G.V.Marutheswar, "Maximum Load-ability Estimation for Weak Bus Identification Using Fast Voltage Stability Index in a Power Transmission System by Real-Time Approach", International Journal of Electrical and Electronics Engineering &Telecommunications,ISSN 2319 – 2518, Vol. 3, No. 1, pp.1-8, January 2014.
10	K.R.Vadivelu, Dr.G.V.Marutheswar, "**FVSI** based Optimal Reactive Power Planning Using Differential Evolution", International Journal of Advanced Research in Electrical and Electronics Engineering (IJAREEE), Vol.1, pp.1--12, November- 2013.
11	K.R.Vadivelu,Dr.G.V.Marutheswar,"Artificial Intelligence technique based Reactive power planning Incorporating FACTS Controllers in Real Time Power Transmission system" **ACEEE Int. J. on Electrical and Power Engineering , Vol. 5,pp-31-37. No. 1, February 2014**.**(Index Copernicus value: 3.458)**
12	K.R.Vadivelu, Dr.G.V.Marutheswar, "Fast Voltage Stability Index Based Reactive Power planning using Differential Evolution," Electrical and Electronics Engineering: An International Journal (ELELIJ) vol 3, No 1, pp.51-60, February 2014.
13	K.R.Vadivelu, Dr.G.V.Marutheswar, "Optimal Reactive Power planning using Improved differential Evolution FACTS controllers", **Journal of Electrical Engineering ,Vol.15,Issue 1 March,2015.(Scopus Indexed: 0.105)**

14	K.R.Vadivelu, Dr.G.V.Marutheswar, "Soft computing technique based reactive power planning using combining multi-objective optimization with Improved Differential Evolution", International Electrical Engineering (IEEJ), ISSN 2078-2365, Vol.5, pp.1576-1585, 2014.
15	K.R.Vadivelu, Dr.G.V.Marutheswar, "Imperialistic competitive algorithm (ICA) for solving VAR dispatch Problem", International Electrical Engineering (IEEJ), ISSN 2078-2365, Vol.5, pp.1696-1702, 2014.
16	K.R.Vadivelu, Dr.G.V.Marutheswar, "Optimal Reactive Power Planning for Loss Reduction and improvement of Voltage Profile Using Cuckoo Search Algorithm", International Electrical Engineering (IEEJ), ISSN 2078-2365, Vol.6, pp.1780-1786, March, 2015.
17	K.R.Vadivelu, Dr.G.V.Marutheswar,",Particle Swarm Optimization based Optimal Placement of Energy Storage Units within a Power Systems,International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 10,pp.9378-9383,April 2015.
18	A.AjayShekhar Reddy, Dr.G.V.Marutheswar,"Stability Analysis of Single Machine Infinite Bus System With HPFC", International Journal of Engineering Research and Technology (IJERT)ISSN 2278-0181 Volume 4, Issue 02,Feb 2015.
19	Dr.G.V.Marutheswar,", Maximum Power Point Tracking Algorithms Applied to Wind –Solar Hybrid System, International Journal of Advanced Research in Electrical, Electronics And Instrumentation Engineering (IJAREEIE)ISSN 2278-8875 Volume 4, Issue 10,October 2015, **Impact Factor 5.016.**
20	D.Naveen Kumar, Dr.G.V.Marutheswar,"An Efficient Non Linear Current Controller for PV Solar Power Genarator Integrated With the Grid", International Journal of Advanced Technology and Innovative Research (IJATIR)ISSN 2348-2370 Volume 7, Issue 19, December 2015.

Conference proceedings as full papers

1	Dr. R V S Satyanarayana, G V Marutheswar, " Electrical Safety in Hosptitals",Proceedings of National Seminar on Environment and Health , 29-30 , Dec2003, S V University, Tirupati.
2	K Niranjan, G V Marutheswar, " Improvement of Transient Stability for Single& multi Machine Power Systems Using UPFC", Proceedings of nationalConference on Power engineering and Process Controls, 28-29, Nov 2009,GNITS, Hyderabad.
3	K Hemasekhar Naidu, G V Marutheswar, Analysis and modelling of UnifiedPower Flow Controller : Modification of Newton Rhaphson methodAlogorithm of Load Flow studies for IEEE 30-bus system", Proceedings ofNational conference on Recent Advances in Electrcal engineering EAR-2008,3rd May-2008,JNTU College of Engineering, Anatapur
4	G.Seshadri, G V Marutheswar, "Power System Protection by Using WaveletTansform",Vol II , 24-26 sept. 2008, pp 766-771, Fedral Institute of Scienceand Technology, Cochin,Kerala.
5	B Subbareddy, G V Marutheswar , " Design of Controller by Pole PlacementTechnique for Switched Reluctance Motor" , National Conference onAdvanced Controls(NADCON), Nov 26-27,2009, GRIET, Hyderabad.

6	G.Seshadri, G V Marutheswar, "Power Quality Disturbance and dataCompression using Wavelet transform methods", Poceedings of InternationalConference on Advanced Computing and Communication Technologies forHigh Performace Applications Vol II pp 1007-1012, 24-26 sept. 2008, FedralInstitute of Science and Technology, Cochin,Kerala.
7	K.R.Vadivelu, Dr.G.V.Marutheswar," Artificial Intelligence Technique based Reactive power planning using FVSI", IEEEInternational Conference on Advanced computing and communication systems, Dec 19-21, 2013 at Sri Eswar Engineering College, Coimbatore, archived **IEEE Explore DOI: 10.1109/ICACCS.2013.6938726,PageNo.1-6,2013**.(**Received Best Paper Presentation Award**).
8	K.R.Vadivelu,Dr.G.V.Marutheswar,"Artificial Intelligence technique based Reactive power planning Incorporating FACTS Controllers in Real Time Power Transmission system",2nd International **IEEE**conference on Electrical Energy systems,07-09 January 2014,SSN College of Engineering Chennai,archived IEEE Explore, **DOI: 10.1109/ICEES.2014.6924136**pp-26-31,2014.
9	K.R.Vadivelu,Dr.G.V.Maruthewar," Reactive power planning Using Combining Multi-objective optimization with Differential Evolution", Control communication and Power Engineering(ACEEE) Conference at Chennai,February-17th -18th,2014,**ElsevierProceeding.ISBN: 978-81-910691-7-8,pp.No.163-174.**
10	K.R.Vadivelu, Dr.G.V.Marutheswar," FVSI Optimal Reactive power planning using DE", **IEEE** Conference, ICPCES, 27thFebuary, 2014, Annauniversity college of Engineering, Chennai.
11	K.R.Vadivelu, Dr.G.V.Marutheswar,"Study of optimal placement of Energy storage systems in Deregulated power systems", **IEEE** International Conference on Advanced computing and communication systems(ICACCS-2015), January 5-7, 2015 at Sri Eswar Engineering College, Coimbatore.
12	K.R.Vadivelu, Dr.G.V.Marutheswar," optimal placement of Energy storage systems within a power systems",**IEEE** International Conference on Electrical, Computer and Communication Technologies (IEEE ICECCT 2015) SVS College of Engineering, Coimbatore, Tamil Nadu, India during 05 - 07, March 2015.
13	K.R.Vadivelu, Dr.G.V.Marutheswar,",Particle Swarm Optimization based OptimalPlacement of Energy Storage Units within a Power Systems,International Conference on innovative Strategies in Renewable Energy and its applications (ISREA) 2015 to be held at Sona College of Technology, Salem, Tamil Nadu, India during 05 - 06, March 2015.

M.Tech Projects Guided (Completed)

SL.NO	Name of the student	Roll No	Topic	Year of completion
1	S.Hemachandra	1102326	Analysis of Position Control usingMat lab	2004
2	D.Prabhavathi	1101206	Simulation of Conventional and Fuzzy Speed Control of SRM	2003
3	K.Madhavi	1101228	IVRS Data Manager for Call Centre	2003
4	I D Malleswara Prasad		Control Setting of Unified Power Flow Controller through Load Flow Calculation	2006

5	S Subba Rami Reddy	1104314	Integrated Fuzzy Controller For Improved Performance of Permanent Magnet Brushless Motor	2007
6	V Usha Reddy	1105329	Sensorless Brushless DC Motor	2007
7	K Niranjan	1105320	Improvement of Transient Stability for Single and Multi-machine system Using UPFC	2007
8	K Hemasekhar Naidu	1106304	Analysis and Modeling of UPFC : Modification of Newton Raphson Algorithm of load Flow studies for IEEE 30-bus System	2008
9	J.PardhaSaradhi	1105333	Wavelet Based Dynamic Voltage Restorer for Power QualityImprovement	2009
10	G Seshadri	1106311	Power System Protection using Wavelet Transform	2009
11	B.Subba Reddy	1107305	Design of Controller by Pole placement Technique for Switched Reluctance Motor	2009
12	B.SurendraBabu		Implementation of Robust Controller for BLDC Motor drive	2010
13	Ravi Praksh		DC Power Transmission Technology using HTS cables	2011
14	Parvathee Devi		Design and Analysis of different Control Strategies for BLDC motor	2012
15	C.Chandra Kala		Control of Rotary Flexible Link with LQR and Fuzzy Controllers	2012
16	J.Chandra Reddy		Modeling and Controller Design for Rotary Inverted Pendulum	2012
17	V.VidyaPragathi		Design and Simulation of PI, PID,Fuzzy Controllers for Vector controlled Induction Motor	2012
18	K.Lashman Kumar Reddy	1111361	Different Controlling Methods and PID Controller Design for Magnetic Levitation System	2013
19	A AjaySekhar Reddy	1112322	Stability Analysis of Single Machine Infinite Bus System with UPFC	2014
20	K Reddy Gayathri	1112331	Frequency and Voltage Stability Assessment Applied to Load Shedding	2014
21	Ramesh Cheruvu	1111333	Implementation of a New Methodology for ELD Problems	2014
22	A.AjayShekhar Reddy	1112322	Stability Analysis of Single Machine Infinite Bus System With HPFC	2014
23	D.Naveen Kumar	1113310	An Efficient Non Linear Current Controller for PV Solar Power Genarator Integrated With the Grid	2015

Ph.D Guidance in Progress

Completed:

1. **V Rajanikanth :**

SL.NO	Name of The scholar	Year of Registration	University	Status
1	K.R.Vadivelu	2010	SVU	Thesis Submitted
2	D.ChandraSekhar	2010	SVU	In Progress
3	J.N.ChandraSekhar	2010	SVU	In Progress
4	Yugandhar	2010	SVU	Synopsis presented
5	A.V.G.A.Marthanda	2010	SVU	In Progress
6	B.RavichandraRao	2010	SVU	In Progress
7	V.Padmaja	2010	SVU	In Progress
8	G.Seshadri	2011	SVU	In Progress
9	Yasmin	2010	JNTUAnantapur	In Progress
10	S.Munisekhar	2015	JNTUAnantapur	In Progress

Contact address:
Dr.G.V.Marutheswar
Professor of Electrical and Electronics Engineering
Sri Venkateswara University College of Engineering
Sri Venkateswara University
Tirupati
Chittoor Dist
Andhra Pradesh,517 502
Email: marutheswargv@gmail.com
Mobile:9701426377