BIODATA OF PRINCIPAL

1.Professional Details

Name	Dr. C Srinivasa Rao
Sex and date of birth	Male, 20/07/1980
Highest Qualification	Ph.D
Designation	Professor & Principal
Department	Electrical Engineering
Institute/ University	G.Pullaiah College Of Engineering And Technology
Complete address with pin code	Department of Electrical Engineering G.Pullaiah College Of Engineering And Technology Nandikotkur Road, Pasupala Village Kurnool-518452
Mobile Number	+91 9246922869
E – Mail	principal@gpcet.ac.in

2. Academic and professional career
a. Academic career

Degree	Name of the University	Period of Study	Grade/Div.	Subjects
B.Tech	QIS College of Engineering and Technology	1998-2002	66.8	Electrical Engineering
M.E	Birla Institute of Technology, Mesra, Ranchi	2002-2004	8.81	Power Systems
Ph.D	Jawaharlal Technological University, Kakinada	2006-2010	----	Power Systems, Artificial Intelligent techniques

b. Professional Career

Position	Name of the organization	Period	No. of.Yrs.
Assistant Professor	Narasaraopeta Engineering College	June 2004 to May 2005	01 Year
Assistant Professor	G.Pulla Reddy Engineering College	June 2005 to June 2009	04 Years
Associate Professor	G.Pulla Reddy Engineering College	July 2009 to October 2011	02 Years
Professor & Head	G.Pullaiah College Of Engineering And Technology	October 2011 to August 2016	05 Years
Principal	G.Pullaiah College Of Engineering And Technology	August 2016 to till date	

c. Awards/Prize/Certificate etc won by the investigator

- ❖ Technical Reviewer for International Journal of Electrical Power and Energy systems (Elsevier)
- ❖ Biography included in 2009 edition of Marquis Who's Who in World
- ❖ Technical Reviewer for International Conference on Advanced Science, Engineering and Information Technology, ICASEIT-2010, held at University Kebangsaan, Malaysia on Jan 14-15 2011.
- ❖ Technical Reviewer for Second International Conference on Advanced Science, Engineering and Information Technology, ICASEIT-2011, held at Kuala Lumpur, Malaysia on Dec 12-13, 2011

d.Publications (Research papers published/presented):

International Journals:

1. C.Srinivasa Rao et al, "Random Discontinuous PWM Schemes for VSI Fed AC Drive for Reduction of Harmonic Distortion, Switching Loss and Acoustic Noise," International Journal of Engineering Sciences & Research Technology (IJESRT), ISSN (Online): 2277-9655,Volume 5,Issue 11, November 2016, pp. 92–105, DOI: 10.5281/zenodo.164907.
2. C.Srinivasa Rao et al, "Space Vector Based High Performance Discontinuous Pulse Width Modulation Algorithms for VSI Fed AC Drive" Innovative Systems Design and Engineering (IISTE), ISSN 2222-1727 (Paper) ISSN 2222-2871 (Online), Volume 7, Issue 7, July 2016, pp. 31-40.
3. C.Srinivasa Rao et al, "Digital scalar pulse width modulation Methods for voltage source inverter fed AC Drive" International Journal of Scientific Research Engineering & Technology (IJSRET), ISSN 2278 – 0882, Volume 5, Issue 7, July 2016, pp. 390-396.
4. C.Srinivasa Rao et al, "A Family of Random PWM Methods for Voltage source inverter Fed AC Drive" International Journal of Engineering and Management Research (IJEMR), ISSN (ONLINE): 2250-0758, ISSN (PRINT): 2394-6962, Volume 6, Issue 3, May 2016, pp. 629-634.
5. C.Srinivasa Rao, et al, "Automatic Generation Control of TCPS Based Hydrothermal System under Open Market Scenario: A Fuzzy Logic Approach" Published in International Journal of Electrical Power and Energy systems (Elsevier), 31(2009) 315-322.
6. C.Srinivasa Rao et al, "Design of Novel Hybrid Controller for Automatic Generation Control of Hydrothermal system under open market scenario" published in International Journal of Knowledge based and Intelligent Engineering Systems, Vol-13, Num3- 4/2009, pp 169-183.
7. C.Srinivasa Rao et al, "A modified Genetic Approach to Hydrothermal system with thyristor controlled phase shifter under open market system" Published in International Review of Electrical Engineering, Vol 2, August 2007, pp 507-514
8. C.Srinivasa Rao et al, . "Automatic Generation Control of TCPS Based Hydrothermal System under Open Market Scenario: A Fuzzy Logic Approach" Published in Artificial Intelligence and Machine Learning (ICGST journal), Vol 7, june 2007, pp 47-54
9. C.Srinivasa Rao et al, "A Hybrid Genetic –Simulated annealing approach to TCPS based hydrothermal system under open market system" Published in Automation

Control and Systems Engineering (ICGST journal), Vol 7, Issue 2, June 2007, pp 25-31

10. C.Srinivasa Rao et al, "A simulated annealing based hydrothermal system with thyristor controlled phase shifter under open market system" published in Asian Research and Publishing Network (ARPN) journal, Vol 2, june2007, pp17-23

11. C.Srinivasa Rao et al, "AGC Tuning Of TCPS Based Hydrothermal System under Open Market Scenario with Particle Swarm Optimization" published in journal of electrical systems (JES),4-2(2008)

12. C.Srinivasa Rao et al, "Improvement of Dynamic Performance of Hydrothermal system under Open market scenario using Asynchronous Tie-Lines" published in world journal of modeling and simulation (WJMS), Vol 4(2008), No 2, pp 153-160

13. C.Srinivasa Rao et al," Optimized Integral controller for economic load dispatch in a two area system employing Hooke-Jeeves method" published in Asian Research Publishing Network (ARPN) journal , Vol 2 , No 6, Dec 2007, pp 49-56.

14. C.Srinivasa Rao et al, "Improvement of Dynamic Performance of AGC under Open Market Scenario Employing TCPS and A.C-D.C Parallel Tie line" Published in International Journal of Recent Trends in Engineering, Vol 1, No 3, 2009 pp 1-6.

15. C.Srinivasa Rao et al, "Design of Artificial Neural Network Controller for Automatic Generation Control of Two Area Hydrothermal System" Published in International Journal of Electronics, Electrical and Communication Engineering, Vol 2, No 1,2010, pp 77-87.

16. C.Srinivasa Rao et al, "A Novel hybrid controller for Automatic Generation Control of hydrothermal System under Traditional Environment" International Journal of Distributed Energy Resources, Vol 6, Number 4(2010), pp 281-293.

17. C.Srinivasa Rao et al, "Comparison of performance of TCPS and SMES in Automatic Generation Control of Reheat Thermal System" International Journal of Acta Electrotechnica et Informatica , Vol 10, No 4, 2010, pp 69-74

18. C.Srinivasa Rao et al, "Adaptive Neuro fuzzy based Inference system for load Frequency control of hydrothermal system under deregulated environment" International Journal of Engineering, Science and technology, Vol 2(12), 2010, pp 6954-6962.

19. C.Srinivasa Rao et al, "Tuning of Automatic Generation Control of Hydrothermal system under Open Market Scenario Employing Evolutionary Techniques" International Journal of Advances in Science, Engineering and Technology, Vol 2, No 1, 2011, pp 40-51.

20. C.Srinivasa Rao et al, "Design, Modeling and Simulation of Fuzzy Logic based SVC Based 750KM Transmission Line With and Without Compensation" International Journal of Advances in Science, Engineering and Technology, Vol 2, No 2, 2011, pp 103-110.

21. C.Srinivasa Rao et al, "Implementation of discrete dynamic model of pwm dc-dc converters employing average current Control" International Journal of Advances in Science, Engineering and Technology, Vol 2, No 2, 2011, pp 111-119

22. C.Srinivasa Rao et al, "Speed Control of Permanent Magnet Synchronous Motor Based on Direct Torque Control Method" International Journal of Advances in Science, Engineering and Technology, Vol2, No 3, 2011, pp 63-70.

23. C.Srinivasa Rao et al, "Adaptive Neuro-Fuzzy inference system for automatic generation control of interconnected hydrothermal plant" accepted for publication International Journal of Knowledge based and Intelligent Engineering Systems , Vol 15, Issue 2, April 2011, pp 71-78

24. C.Srinivasa Rao et al, "Improvement of Dynamic Performance of AGC of Hydrothermal system Employing Capacitive Energy Storage and TCPS" International Journal of Innovative Systems, Design and Engineering, Vol 2, No 6, pp 63-71.
25. C.Srinivasa Rao et al, "Load Frequency Control of Hydrothermal System under restructured Scenario: A Hybrid Genetic-Neural Network Approach", International Journal of Distributed Energy Resources, Vol 8, No 1, pp 37-49
26. C.Srinivasa Rao et al, "Implementation of Automatic Generation Control of Hydrothermal system employing Hybrid Genetic-Neural Approach" International journal of Modern Engineering Research, Vol 1, Issue 2, pp 352-357
27. C.Srinivasa Rao, "Implementation of Load Frequency Control of Hydrothermal System under Restructured Scenario Employing Fuzzy Controlled Genetic Algorithm", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol 1, Issue 1, July 2012, pp 1-6.
28. C.Srinivasa Rao, "Design of Artificial Intelligent Controller for Automatic Generation Control of Two Area Hydrothermal system", International Journal of Electrical and Computer Engineering (IJECE), Vol 2, No 2, April 2012, pp 183-190.
29. C.Srinivasa Rao, "Load frequency control of multi area interconnected system with TCPS and diverse sources of power generation" International Journal of Global journal of engineering, design and technology,Vol 2, No 6, Nov 2013, pp 9-13.

National Journals

1. C.Srinivasa Rao et al, "Design of Dual Mode Controller for Automatic Generation Control In a Open Market System" Published in i-manager journal, Vol. 1, No. 1, Jul-Sep 2007, pp. 6-51.

International Conferences

1. C.Srinivasa Rao et al, ""Ant colony system algorithm for automatic generation control of hydrothermal system under open market scenario" published in IET-UK International Conference on Information and Communication Technology in Electrical Sciences (ICTES 2007) Dr. M.G.R. University, Chennai, Tamil Nadu, Dec. 20-22, 2007. pp.112-119.
2. C.Srinivasa Rao et al, "Simulation and Optimization of Integral controller under open market scenario" accepted in Proc. International conf., Power System Operation in Deregulated Regime, ICPSODR 2006, B.H.U, Varanasi, India, paper no. 47, Mar 2006, pp 333-338.
3. C.Srinivasa Rao et al, " Design of Integral controller for Automatic generation control under deregulated environment" published in IEE Proc. International conf., Energy, Information Technology and Power Sector, PEITSICON 2005, Science City, Kolkata, India, paper no. 146, Jan 2005, PEITSICON-2005 , IEE(U.K) held at Science city, Kolkata
4. C.Srinivasa Rao et al, "Implementation of Economic Load Dispatch in a Two Area Hydrothermal System Employing Genetic Algorithm" Published in International Conference on Electrical Energy Systems and Power Electronics in Emerging Economics held in April 2009 at SRM University, Chennai.

5. C.Srinivasa Rao et al, "Implementation of Economic Load Dispatch In a Two Area System Using Hooke-Jeeves Method" Presented in International conference (RACE-2007) held at Bikaner, Rajasthan.
6. C.Srinivasa Rao et al, "Implementation Of Bilateral Contracts For Load Frequency Control Of Thermal System Under Open Market Scenario", Accepted in International Conference on Control, Communication and Computing (ICCC-2010) held at College of Engineering, Trivandrum, Kerala.
7. C.Srinivasa Rao, "Adaptive Neuro Fuzzy Based Load Frequency Control of Multi Area System Under Open Market Scenario", IEEE International Conference On Advances In Engineering, Science And Management (ICAESM -2012) March 30, 31, 2012, pp 5-10

Books Published

1. Co-Authored a Book on "Electro Magnetic Fields" published by New Age International Pvt Ltd, India
2. Co-Authored a book on "Electrical Circuit Analysis" Published by Cengage Publishers, India

Guest Lectures Delivered

1. Delivered a guest lecture on "Genetic Algorithm" at AICTE Sponsored workshop held at G.Pulla Reddy Engineering College, Kurnool

2. Delivered a guest lecture on "Soft Computing Techniques" at AICTE Sponsored workshop held at G.Pulla Reddy Engineering College, Kurnool

3. Delivered a guest lecture on "Introduction to MATLAB" at Staff development workshop held at Kottam College of Engineering, Kurnool

4. Delivered a guest lecture on "Evolutionary Algorithms and Neural Networks and Fuzzy Logic" at AICTE Sponsored Staff Development Program held at Annamacharya Institute of Technology and Science, Rajampet

5. Delivered a guest lecture on "Genetic Algorithm applied to Load Frequency Control" at G.Narayanamma Institute of Technology and Science, Hyderabad

6. Delivered a guest lecture on "NNFL applications in Engineering" at G.Narayanamma Institute of Technology and Science, Hyderabad

7. Delivered a guest lecture on "Soft Computing Techniques applied to Power systems" at National workshop held at Vaagdevi Institute of Technology and Science, Produttur

8. Delivered a guest lecture on "Simulation of electrical systems using MATLAB" at Pragathi Engineering college, Surampalem, Kakinada

9. Delivered a guest lecture on Fuzzy Logic at National level workshop in G.Pulla Reddy Engineering college (Autonomous): Kurnool

10. Delivered a guest lecture on "Load Frequency Control under Deregulated Environment" at Three – Week Refresher Course on "Recent trends in deregulation of Power Systems" held at J.N.T University, Hyderabad

11. Delivered a guest lecture on "Evolutionary Algorithms applied to Power systems" at IEEE faculty chapter FDP Program at Srinivasa Ramanujan Institute of Technology, Anantapur

Workshops/Conferences Organised

1. Co-Cordinator for 3 day National Level workshop on Simulation of Electrical systems using MATLAB(SESM-2010) held from Dec 1-3 ,2010

2. Coordinator for 3 day National Level workshop on Simulation of Power systems using MATLAB(SPSM-2011) held from Dec 1-3 ,2011

3. Coordinator for International Conference on "Advanced Electrical Systems and Applications (AESA 2014) held on June 25, 2014

4. Coordinator for 2nd International Conference on "Advanced Electrical Systems and Applications (AESA 2014) held on March 25, 2015