



Dr. Srinivasa Rao Gampa

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Career Objective

To be part of a reputed academic organization, that provides me a good platform to utilize my teaching, research and administrative skills to build a successful career in the field of Renewable Energy and Distributed Generation.

Academic Qualifications

PhD , Power Distribution Systems, I.I.T Kharagpur, Kharagpur, India, 2016

M.Tech, Instrumentation and Control, N.I.T Calicut, Calicut, India, 2004

B.E, Electrical and Electronics Engg, Andhra University, Visakhapatnam, India, 2001

Academic Experience (20 Years)

Employer	Designation	Duration of working
S.R.G.E.C, Gudlavalleru, Vijayawada	Professor	1 st Jul 2016 to Till date
S.R.G.E.C, Gudlavalleru, Vijayawada	Associate Professor	14 th Oct 2015 to 30 st Jun 2016
GITAM University, Visakhapatnam	Assistant Professor	11 th Aug 2006 to 13 th Jul 2011
M.V.G.R C.O.E, Vizianagaram	Assistant Professor	18 th Jun 2005 to 7 th Aug 2006
G.V.P C.O.E ,Visakhapatnam	Assistant Professor	12 th Jul 2004 to 30 th Apr 2005

Academic Courses Taught

1. Power System Analysis
2. Modern optimization Techniques
3. Electro Magnetic Field Theory
4. Artificial Intelligent Techniques
5. Linear Electric Networks

Research Areas of Interest

1. Distributed Generations integrated with Distribution systems
2. Application of AI and ML techniques to Power systems
3. Multiobjective techniques
4. Impact of Electric Vehicles on Distribution Systems

Papers Published in International Journals (16)

1. Alluri, A., Gampa, S.R., Gutta, B., Basam, M.B., Jasthi, K., Roy, N.B. and Das, D., 2024. Multi-Objective Optimization Algorithm Based Bidirectional Long Short Term Memory Network Model for Optimum Sizing of Distributed Generators and Shunt Capacitors for Distribution Systems. *Inventions*, 9(6), p.114.
(MDPI, ESCI Indexed Journal, SN Impact factor : 0.875)
2. Preetham Goli, Srinivasa Rao Gampa, Nallapaneni Manoj Kumar, Kiran Jasthi, Alivelu M. Parimi, D. Das, Ramesh C. Bansal, Pierluigi Siano, and Josep M. Guerrero. "Strategic Planning of Distribution Network integrated with EV Charging Stations using Fuzzy Pareto Optimality for Performance Improvement and Grid-side Emission Reduction Benefits." *Sustainable Energy, Grids and Networks*, Vol.36, 101199, Dec. 2023.
(ELESVIER, SCI Indexed Journal, Impact Factor : 5.4)
3. Arindam Roy, Vimlesh Verma, Srinivasa Rao Gampa, and R. C. Bansal. "Planning of distribution system considering residential roof top photovoltaic systems, distributed generations and shunt capacitors using gravitational search algorithm." *Computers and Electrical Engineering*, Vol.111 (B), 108960, Nov.2023.
(ELESVIER, SCI Indexed Journal, Impact Factor : 4.3)
4. Satish Kumar Gudey, Mohan Malla, Kiran Jasthi, Srinivasa Rao Gampa, "Direct Torque Control of an Induction Motor Using Fractional-Order Sliding Mode Control Technique for Quick Response and Reduced Torque Ripple,". *World Electric Vehicle Journal*, Vol. 14(6), 137, 2023.
(MDPI, ESCI Indexed Journal, SN Impact factor : 0.819)
5. Jeevesh Vanga, Durga Prabhu Ranimekhala, Swathi Jonnala, Jhansi Jamalapuram, Balaji Gutta, Srinivasa Rao Gampa, Amarendra Alluri, Fault classification of three phase induction motors using Bi-LSTM networks. *Journal of Electrical Systems and Information Technology*, Vol.10 (1), 1-15, 2023.
(Springer Nature, EBSCO Discovery Service, DOAJ)
6. Vandana Sayila, Soumya Kundeti, Venkata Srinivasa Rao Nimmagadda, Usha Oleti, Mahesh Babu Basam, Srinivasa Rao Gampa, 2023, Arduino Micro Controller and MPU 6050 Gyroscope based Automatic Speed Control System for Electric Bike at Tight Turns, *International Journal of Engineering Research & Technology (IJERT)* Vol.12(06),2023.
(Google Scholar)
7. Srinivasa Rao Gampa, Siva Kumar Mangipudi, Kiran Jasthi, Preetham Goli, Debapriya Das, & Valentina E. Balas, "Pareto optimality based PID controller design for vehicle active suspension system using grasshopper optimization algorithm. *Journal of Electrical Systems and Information Technology*, ". Vol. 9(1), 1-18, 2022.
(Springer Nature, EBSCO Discovery Service, DOAJ)

8. Preetham Goli,, Kiran Jasthi, Srinivasa Rao Gampa, Debapriya Das, Wajiha Shireen, Pierluigi Siano, and Josep M. Guerrero. 2022. "Electric Vehicle Charging Load Allocation at Residential Locations Utilizing the Energy Savings Gained by Optimal Network Reconductoring" Smart Cities, vol. 5(1), pp. 177-205, 2022.
(MDPI, ESCI Indexed Journal, SN Impact factor:1.851)
9. Srinivasa Rao Gampa, Kiran Jasthi, Preetham Goli, D. Das and R.C. Bansal,“Grasshopper optimization algorithm based two stage fuzzy multiobjective approach for optimum sizing and placement of distributed generations, shunt capacitors and electric vehicle charging stations”, Journal of Energy Storage,vol.27,101117, 2020.
(ELESVIER, SCI Indexed Journal, Impact Factor : 9.4)
10. Srinivasa Rao Gampa and D. Das, “Optimum placement of shunt capacitors in a radial distribution system for substation power factor improvement using fuzzy GA method”, International Journal of Electrical Power & Energy Systems, vol.77, pp.314-326, 2016.
(ELESVIER, SCI Indexed Journal, Impact Factor : 5.2)
11. Srinivasa Rao Gampa and D. Das, “Optimum placement and sizing of DGs considering average hourly variations of load”, International Journal of Electrical Power & Energy Systems, vol.66, pp.25-40, 2015.
(ELESVIER , SCI Indexed Journal, Impact Factor: 5.2)
12. Srinivasa Rao Gampa and Debapriya Das, “Real power and frequency control of a small isolated power system”, International Journal of Electrical Power & Energy Systems, vol.64, pp.221-232, 2015.
(ELESVIER , SCI Indexed Journal, Impact Factor: 5.2)
13. Srinivasa Rao Gampa and Debapriya Das, “Multi-Objective Approach for Reconfiguration of Distribution Systems with Distributed Generations”, Electric Power Components and Systems, vol. 45(15), pp.1678-1690, 2017.
(Taylor and Francis , SCI Indexed Journal, Impact Factor : 1.5)
14. Srinivasa Rao Gampa, Suresh Makkena, Preetham Goli and Debapriya Das, “ FPA Pareto optimality-based multiobjective approach for capacitor placement and reconductoring of urban distribution systems with solar DG units”, International Journal of Ambient Energy, vol.43(1),pp.1581-1597 **(Taylor and Francis , ESCI Indexed Journal, SN Impact Factor: 1.457)**
15. Srinivasa Rao Gampa and Debapriya Das, “Simultaneous optimal allocation and sizing of distributed generations and shunt capacitors in distribution networks using fuzzy GA methodology”, Journal of Electrical Systems and Information Technology, vol. 6:4, 2019.
(Springer Nature, EBSCO Discovery Service, DOAJ)

16. Srinivasa Rao Gampa, M.Siva Kumar and Debapriya Das, “Optimum PID Controller Design using PSO for Vehicle Active Suspension System Considering MATLAB Simulink Modeling based Road Profiles”, Journal of Electrical Engineering, vol.17, no.2, pp.279-288, Jun. 2017.
(IET INSPEC Indexed Journal , SJR Rank 0.191)

Papers Published in International Conferences (08)

1. Chintalapati, N.L., Kapavarapu, Y.S., Akasapu, Y.R., Kokku, O.P., Gampa, S.R., Boni, R.K. and Alluri, A., 2024, July. K-Means Algorithm and Fuzzy Genetic Algorithm Based Methodology for Distribution System Planning With Distributed Generations and Shunt Capacitors. In *2024 IEEE International Conference on Smart Power Control and Renewable Energy (ICSPCRE)* (pp. 1-6). IEEE.
2. Srikanth Yelem, Preetham Goli, M. Alhashem and Srinivasa Rao Gampa, “OpenDSS and Typhoon HIL Co-Simulation for Real-Time Evaluation of a Distribution Network,” 2023 North American Power Symposium (NAPS), Asheville, NC, USA, 2023, pp. 1-6.
3. Preetham Goli, Srikanth Yelem, Kiran Jasthi, Srinivasa Rao Gampa, D. Das, “Optimum Placement of Battery Energy Storage Systems and Solar PV Units in Distribution Networks Using Gravitational Search Algorithm,” In Proceedings of the International Conference on Artificial Intelligence Techniques for Electrical Engineering Systems (AITEES 2022) (pp. 113-123). Dordrecht: Atlantis Press International BV.
4. Srinivasa Rao Gampa, Kiran Jasthi, Sireesha Alapati, Satish Kumar Gudey, Valentina E. Balas, “Fuzzy Genetic Algorithm Based Antilock Braking System,” In Proceedings of the International Conference on Artificial Intelligence Techniques for Electrical Engineering Systems (AITEES 2022) (pp. 13-22). Dordrecht: Atlantis Press International BV.
5. Goli, P., Yelem, S., Muaddi, S., Gampa, S. R., & Shireen, W. (2022, February). Optimal Planning of Smart Charging Facilities using Grey Wolf Optimizer. In 2022 IEEE Texas Power and Energy Conference (TPEC) (pp. 1-6). IEEE. **(SCOPUS)**
6. P. Goli, S. Makkena, S. R. Gampa and D. Das, “Fuzzy Ant Colony Optimization Technique for Predefined Performance of Distribution Systems Considering DGs and Shunt Capacitors,” 2019 North American Power Symposium (NAPS), Wichita, KS, USA, 2019, pp. 1-6. **(SCOPUS)**
7. Srinivasa Rao Gampa, Debapriya Das, “Fuzzy GA based Multiobjective Methodology for DGs and Shunt Capacitors Placement in Distribution Networks.” Proceedings of the National Power Systems conference held at NIT Trichy during December 14-16 ,2018.**(SCOPUS)**
8. Srinivasa Rao Gampa, M.Ravindra Babu, G.Saraswathi and T.Yamini Devi “A Neuro power system stabilizer using Derivative controller.” COSMA2009, International Conference held at NIT, Calicut, Calicut, during Dec 17-19, 2009.

Papers Published in National Conferences (02)

1. Srinivasa Rao Gampa, M. Ravindra Babu and G.Saraswathi “Elitist ANT system based search algorithm for unitcommitment.”,PST-2010,National conference held at Andhra University,Visakhapatnam during June 29-30 ,2010.
2. Srinivasa Rao Gampa, Jeevamma Jacob, “Tuning of Fuzzy PD+I controller using genetic algorithms.”, ICECON07, National conference held at NIT Trichy,Trichy during Dec 27-29, 2007.

Book Chapters (1)

1. Srinivasa Rao Gampa, D Das, “Multiobjective Approach for Optimal Placement of DG Units at Optimum Power Factor Along with Shunt Capacitors for Distribution Systems.” Handbook of Renewable Energy Technology & Systems, World Scientific publishing pte ltd., 2021,Chapter 18, pp.489-502.

Reviewer

- IEEE Access (IEEE , Journal)
- SEGAN (Elsevier Journal)
- Energies, Applied Sciences, Sustainability (MDPI Journals)
- Electric power components and systems, Taylor and Francis
- International Journal of Ambient Energy
- International Transactions on Electrical Energy Systems, John Wiley & Sons
- Journal of Electrical Systems and Information technology, Springer Nature

M.Tech Projects Guided : 05

B.Tech Projects Guided : 20

Google Scholar: <https://scholar.google.co.in/citations?user=LZAmhbUAAAAJ&hl=en>

ORCID ID : <https://orcid.org/0000-0003-2074-9230>

Researcher ID : A-8723-2018

Scopus Author ID : 56313917600

Membership in Professional Bodies

1. Life Member – ISTE (Indian Society for Technical Education – LM 51255)
2. Member –IE (Member –IE (Institution of Engineers – M-163716-3)

Academic Roles in International Conferences

1. Worked as Organizing Chair for the International Conference on **Artificial Intelligent Techniques for Electrical Engineering Systems 2022 (AITEES 2022)** organized by Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during 6th -7th, May 2022.
2. Worked as Technical Committee Member for **13th IEEE PES Asia Pacific Power and Energy Engineering Conference (APPEEC 2021)** organized by SCTCE, Thiruvananthapuram during 21st to 23rd November, 2021.

Workshops Attended

1. Attended a One week faculty development Programme on “**Advances in Renewable Energy and Electric Vehicles**” organized by Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during 20th Feb to 24th Feb, 2023.
2. Participated in one week (Global Initiative for Academic Networks) GIAN course on “**Wind Power based Distributed Generation**” organized NIT Delhi, during 29th April to 04th May, 2022.
3. Participated in A Two-day workshop on “**Machine Learning: Concepts and Applications**” organized by R&D Cell, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during 30th June to 01st July, 2022.
4. Attended A One week faculty development Programme on “**Intelligent Control Techniques for Electrical Systems**” organized by Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering college, Gudlavalleru, during 31st Jan to 04th Feb, 2022.
5. Participated in **Distributed Utility Meet (DUM) 2021** on digital platform organized by Indian Smart Grid Forum, Delhi, 18th - 19th, November 2021.
6. Participated in A National Level Webinar on “**Intellectual Property Rights & Patents - A View**” organized by IQAC, Gudlavalleru Engineering College, Gudlavalleru held during 10th - 12th, August 2020.
7. Participated and completed successfully AICTE training and learning academy (ATAL) online FDP on “**Energy Engineering**” from 7-12-2020 to 11-12-2020 at Global Academy of Technology, Bengaluru.
8. Participated in “**An Introduction to DC Microgrids for Energy Control and Management**”, a MOOC offered by EMMA (European Multiple MOOC Aggregator) in collaboration with ASSET Project. This 4 -week MOOC was held from 01-11-2020 to 01-01-2021 and hosted on www.europeanmoocs.eu.

9. Participated in AICTE sponsored one week online Faculty Development Programme on “**Automation and Intelligent control of Electrical systems–Phase-I**”, organized by Department of Electrical & Electronics Engineering, Gudlavalleru Engineering College, Gudlavalleru, from 3rd-8th June, 2020.
10. Participated in AICTE sponsored one week online Faculty Development Programme on “**Automation and Intelligent control of Electrical systems–Phase-II**”, organized by Department of Electrical & Electronics Engineering, Gudlavalleru Engineering College, Gudlavalleru, from 21st to 26th June, 2020.
11. Participated in AICTE sponsored one week online Faculty Development Programme on “**Automation and Intelligent control of Electrical systems–Phase-III**”, organized by Department of Electrical & Electronics Engineering, Gudlavalleru Engineering College, Gudlavalleru, from 16st to 21th November, 2020.
12. Participated in AICTE sponsored one week online Faculty Development Programme on “**Automation and Intelligent control of Electrical systems–Phase-IV**”, organized by Department of Electrical & Electronics Engineering, Gudlavalleru Engineering College, Gudlavalleru, from 15th to 20th, March, 2021.
13. Participated in one week online Faculty Development Programme on “**Applied Research in Electric Vehicle Technologies**” organized by Department of Electrical & Electronics Engineering, Gudlavalleru Engineering College, Gudlavalleru, from 15th -20th June, 2020. (API-10).
14. Attended one week one week short term training program on “ **Evaluating students performance and designing question papers**” organized by NITTR, Kolkata from 25-02-2019 to 01-03-2019.
15. Attended one week Faculty Development Programme on “**Electrical Engineers Software Tools Expo**” organized by V R Siddhartha Engineering College, Vijayawada during 30th April 2018 to 5th May 2018.
16. Attended One day Seminar on “**Renewable Energy Resources for Sustainable Development**” organized by Gudlavalleru Engineering College, Gudlavalleru on 24h February 2016.
17. Attended “**A One Week Faculty Development Programme on “Emerging Trends in Research areas of Electrical Engineering**” organized by Gudlavalleru Engineering College, Gudlavalleru, during 7th December to 15th December 2015.
18. Attended “**A Two day Tutorial on Loss Evaluation Techniques and Reduction Methods in Power Distribution Systems**” organized by Distribution Systems Division, CPRI, Bangalore during 8th to 9th December, 2011.

19. Attended “**A Three national work shop on Evolutionary computer techniques for power control and drives(ECTPCD2K11)**” organized by the department of electrical and electronics engineering of Gitam University during 22nd to 24th, January ,2011.
20. Participated in the “**Three Day Training programme on Virtual Instrumentation and its Applications using LabVIEW** ”during 22nd & 24th February, 2010.
21. Attended the “**pre conference tutorial on SCILAB**” held at the department of Instrumentation and Control engineering, NIT,Tirucirapalli. on 27th December 2007.
22. Attended “**A two day national work shop on emerging power scenario in India-07(EPPF-07)** ” organized by the department of electrical and electronics engineering of MVGR college of engineering ,Chintalavalasa,Vizianagaram,Andra Pardesh on 2nd &3rd February,2007.
23. Participated in the Teachers Training Programme on “**Instructional Design And Delivery**” Conducted by NITTR from 23.01.2007 to 28.01.2007 at college of engineering GITAM, Visakhapatnam.
24. Participated in the **Orientation Programme for Teachers** organized by college of engineering GITAM.Visakhapatnam during 16^t to 18th November 2006 in association with academic staff college, Andhra University.
25. Participated in the Three day work shop on “**Advanced topics in algebra for multivariable systems research**” during 07-09 December 2005 in the department of Electrical Engineering of National Institute of Technology Calicut.
26. Attended AICTE-ISTE sponsored short term training programme on “**Application of power electronics to power systems**” form 6th to 10th December, 2004 held at G.V.P.College of engineering, Visakhapatnam.

Other Activities and Hobbies

1. Organizing cultural programs and technical activities
2. Reading Literature and Philosophy

References

1. Prof. Debapriya Das
Professor, EE Department,
I.I.T Kharagpur, Kharagpur,
Kharagpur-721302,
West Bengal, India.
Email : ddas@ee.iitkgp.ernet.in

2. Prof. Ramesh C. Bansal
Professor, Dept. of Electrical and Computer Engg.,
P.O. Box 27272,
University of Sharjah, UAE.
Email : rcbansal@gmail.com

Personal Details

Date of Birth : 16-02-1980
Gender : Male
Marital Status : Married
Languages Known : English, Telugu and Hindi
Address : 2E4, Krishna Godavari Apartments
: Pappulmill Centre,
: Damera Nagar,
: Vijayawada-520007
Email : gsr_gsrinu@yahoo.co.in
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DECLARATION:

I hereby declare that all the above statements are true to the best of my knowledge and belief.

Sincerely



(SRINIVASA RAO GAMPA)