DR. SRINIVAS NAGABALLI

Assistant Professor, Electrical Engineering Dept.

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www.linkedin.com/in/drsrinivasnagaballi | 08 October 1984

EDUCATION

Ph.D. in Electrical Engineering

Visvesvaraya National Institute of Technology, Nagpur

2016 – 2021 | Nagpur , Maharashtra

- Thesis title: Some Studies on Integration of DG and DSTATCOM in Electrical Distribution System

M.Tech in Power Systems Engineering

National Institute of Technology Jamshedpur

2008 – 2010 | Tatanagar , Jharkhand

- Thesis title: Evaluation of Distribution System Performance With Multiple DG Sources By Network Performance Enhancement Index
- Division: First Class

B.Tech in E.E.E.

SKTRMCE, Affil. to JNTU Hyderabad

2002 – 2006 | Mahabubnagar , Telangana

- Division: First Class

Intermediate in M.P.C.

SR Nava Vignana Bharathi Junior College

2000 – 2002 | Hanumakonda , Telangana

- Division: First Class

S.S.C in State Board

St. Gabriel's High School

2000 – 2002 | Hanumakonda , Telangana

- Division: First Class

WORK EXPERIENCE

Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSIET)

2025 – 2025 | Nanded , Maharashtra

- Duration:July 2025 to till date

JSPM University

2023 – 2025 | Pune , Maharashtra

- Duration:September 2023 to July 2025

K. K. Wagh Institute of Engineering Education and Research

2022 – 2023 | Nashik , Maharashtra

- Duration: 1 years 6 months 2 days

Jayamukhi Institute of Technological Science

2011 – 2015 | Narsampet, Telangana

ABOUT ME

I am a highly experienced and qualified individual with extensive experience in power system analysis, design, and simulation tools. Ability to work with several analytic software tools. I have seven years of experience teaching at the college level as an assistant professor and have studied many aspects of electrical engineering in my career.

RESEARCH INTEREST

Research on the impact of intermittent renewable resources on power systems. Studying the dynamics and stability of power systems. Large-scale deployment of battery energy storage and integration of EV charging stations. Research on power system optimization. Analyzing performance and problem-solving approaches within electrical distribution system including high-voltage power systems.

ACHIEVEMENTS

Appreciation Letter

- Received formal appreciation for exceptional academic coordination, student mentoring, departmental involvement, and outstanding student teaching feedback from EE department, SGGSIET, Vishnupuri, Nanded (Maharashtra State), INDIA, 2025.

Three Best Research Paper Presentation Award

- from NIT, Uttarakhand at ICACA-2018 an International Conference.
- from Government College of Engineering, Keonjhar, Odisha at ICICA-2020 an International conference.
- from Tulsiramji Gaikwad Patil College of Engineering & Technology, Nagpur at E-ICAIML-20 an International conference.

Visvesvaraya Fellowship of Ministry of Electronics and Information Technology (MeitY), Government of India
as a PhD research scholar.

SKILLS

- Duration: 3 years 11 months 29 days

S.V.S Institute of Technology

2010 – 20011 Hanumkonda , Telangana

- Duration: 11 months 29 days

PUBLICATIONS

Journal Articles

1. Srinivas Nagaballi, Vijay S. Kale, “A Metaphor-Less Based AI Technique for Optimal Deployment of DG and DSTATCOM Considering Reconfiguration in the RDS for Techno-Economic Benefits,” Journal of Intelligent and Fuzzy Systems, vol. Pre-press, no. Pre-press, pp. 1-11, 2021. [SCIE]
2. Srinivas Nagaballi, Vijay S. Kale, “Decision Making using Pareto Optimality and Game Theory Strategy to Resolve the Conflict Between Techno-Economic Aspects for Optimal DG Deployment in RDS,” Solid State Technology, Vol. 64, no. 2, pp. 7285-7294, 2020. [Scopus]
3. 3. Srinivas Nagaballi, Vijay S. Kale, “Pareto optimality and Game Theory Approach for Optimal Deployment of DG in Radial Distribution System to Improve Techno-Economic Benefits,” Applied Soft Computing Journal, vol. 92, pp. 1-13, March 2020. [SCIE]
4. Srinivas Nagaballi and Vijay S. Kale, " Maximum Permissible Level of Wind and Solar Based DG Penetration in Sub-Transmission System without Violating the Techno-Economic Benefits," in Test Engineering and Management, 2020. [Scopus]
5. N. Srinivas and V. S. Kale, “Assessment of Voltage Stability Indices to Predict the Line Close to Voltage Collapse,” International Journal of Recent Technology and Engineering (IJRTE), 2019. [Scopus]
6. Srinivas Nagaballi and Vijay S. Kale, "Application of Metaheuristic Algorithms for Optimal Allocation of DGs in Radial Distribution System," in International Journal of Engineering Research in Computer Science and Engineering, 2018. [Google Scholar]
7. 7. B. Lingam, B. Srinu, and N. Srinivas, "A Coordinated Control Method for Renewable Energy Sources with SFCL," in International Open Journal of Engineering and Technical Research (IOJETR). Vol. 8, issue 448, August 2014.
8. M. Rupesh and N. Srinivas, " Design and Control of PV, Fuel cell Based Micro Grid Under Unbalanced Loading Conditions," in International Journal on Energy Management, vol. 1, Aug 2013.

Conferences

1. Srinivas Nagaballi, et, al., "Analysis and Modelling of Compensa on Topologies of Wireless Power Transfer for Electric Vehicles," IEEE International Conference on Communication and Smart Devices (ICCoSD) organized by Birla Institute of Technology, Mesra, Ranchi , 25th – 26th July 2025. (Accepted)
2. Srinivas Nagaballi, et, al., "Analysis of a Isolated Renewable Power Generation System Using Battery Energy Storage System, Cage Generators and Hydrogen Fuel Cell ," International Conference on Electronics and Computing, Communication Networking Automation Technologies (ICEC2NT) organized by DY Patil College of Engineering, Pune, 3rd – 4th September 2025. (Accepted)

Software Skills

MATLAB & Simulink | PSim & Multisim | C & C++ | AI & Fuzzy System | Python

MS word | Latex | Excel | PPT

STRENGTHS

Hard-working | Persuasive | Experienced Teacher & Motivator

LANGUAGES

English
Hindi
Telugu
Marathi

WORKSHOP ATTENDED

1. Faculty Development Program on "Industrial Power Electronics for Sustainable Microgrids and E-Mobility" organized by E& ICT Academy, NIT Warangal, Telangana State, in association with Department of Electrical Engineering, NIT Jamshedpur,Jamshedpur, Jharkhand from 15th April to 26th April 2025.
2. Short term training program on “Advance in Power Systems” organized by Power grid executives held from 21st to 25th 2019 at Department of Electrical Engineering, VNIT, Nagpur.
3. TEQIP III sponsored five days workshop on “Smart Techniques in Power Systems” held from 15th March 2019 to 19th March 2019 at the Department of Electrical Engineering, V.N.I.T, Nagpur.
4. Research evaluation workshop for “Visvesvaraya Ph.D. Scheme” held at MNIT, Jaipur during 13th -15th September 2018.
5. TEQIP III sponsored six days workshop on “Recent Techniques for Energy Management in Smart Grid” held at Visvesvaraya National Institute Technology, Nagpur from Jan. 29th to Feb. 3rd, 2018.
6. Short-term training program on “Recent Trends in Power System” organized by the electrical engineering department, VNIT, Nagpur from 16th to 20th July 2018.
7. Two weeks’ faculty development program on “Advance Optimization Techniques (AOT-2017)” held in MNIT Jaipur under the review of Deity sponsored electronics & ICT academy from 6th to 15th October 2017.

3. Srinivas Nagaballi, Harish Kumar Pujari, Basanta Kumar Rana and Deepak Kumar Lal, "Application of GSM Technology for Fault Identification and Categorization in Three Phase Transmission Line," International Conference on Sustainable Power & Energy (ICSPE), November 28th and 29th, 2024.
4. N. Srinivas and V.S. Kale, "Impact of DG and D-STATCOM Integration in RDN on Power Losses and Voltage Profile Considering Load Growth," IEEE India Council International Conference (INDICON 2022), India, Nov., 24th-26th, 2022.
5. Srinivas Nagaballi, V.S. Kale, Sai Nandini P. and Deepika Duppala " Performance Analysis of Radial Distribution System by Optimal Deployment of DG and DSTATCOM considering network Reconfiguration using a SAR Algorithm," in Proceedings of Sixth International Conference on Intelligent Computing and Applications, Advances in Intelligent Systems and Computing, Springer, Odisha, India, Vol 1369, pp. 27-39, 2020.
6. N. Srinivas, V.S. Kale, "A review of network technologies in intelligent power system," IEEE Region 10 Symposium, TENSYMP, Cochin, India, July 2017.
7. N. Srinivas and V.S. Kale, "Real power loss reduction in radial distribution system by integrating DGs using MTLBO algorithm," 7th International Conference on Power Systems (ICPS), College of Engineering Pune, India, December 2017.
8. N. Srinivas and V.S. Kale, "MTLBO algorithm for DG placement in RDS to improve voltage stability index and minimize losses," 14th IEEE India Council International Conference (INDICON), Roorkee, India, Dec. 2017.
9. Srinivas Nagaballi, Rohit R. Bhosale, and V. S. Kale, "A Hybrid Fuzzy and PSO based Optimum Placement and Sizing of DG in Radial Distribution System," International Conference on Smart Electric Drives and Power Systems, Nagpur, India, June 2018.
10. N. Srinivas and V.S. Kale, "Optimal deployment of DG and DSTATCOM in distribution system using swarm intelligent techniques," International Conference on Advanced Mechanical and Electrical Engineering (AMEE 2018), Beijing, China, December 2018.
11. N. Srinivas and V. S. Kale, "Techno-Economic Issues with Increasing DG Penetration Level in Sub-Transmission System," 10th International Conference on Computing, Communication and Networking Technologies (ICCNT), Kanpur, India, July 2019.
12. Deepika Duppala, Srinivas Nagaballi, and Vijay S. Kale, "The Technical Impact of Increase in Penetration Level of DG Technologies on Power System," The Technical Impact of Increase in Penetration Level of DG Technologies on Power System, IEEE Region 10 Symposium (TENSYMP), Kolkata, India, June 2019.
13. Srinivas Nagaballi, "Automatic Power Factor Correction using Programmable Logic Controller," National Conference on Green Technology Revolution: India's Future Energy Perspective (NCGTR-2019).

Book Publications

1. "A Test Book of Research Methodology" by Dr. Neelam Kumar, Dr. Girisha Ramhari Bombale, Dr. Khan Farina Sarfraz Ali, Dr. Srinivas Nagaballi, and Dr. Sagar D. Shinde.
$https://doi.org/10.5281/zenodo.15656380$
$play.google.com/store/books/details?id=tlCaEQAAQBAJ$

8. TEQIP III sponsored a one-week short term training program on "Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT)" held by the Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat, India during 6th-10th Feb. 2017.
9. Faculty Development Program titled "3 DAYS Hands-on Workshop on Digital Signal Processing" at Visvesvaraya National Institute Technology, Nagpur from 5th to 7th March 2016.
10. Participated in the TEQIP-II on "Operation of Restructured Power Systems" organized by the Department of Electrical Engineering, NIT Warangal from 11th -15th February 2013.

WEBINAR ORGANISED

1. June 20, 2024: Organized a one-day webinar featuring Dr. Manish Okade, Associate Professor at NIT Rourkela, on "Applications of Machine Learning and Higher Education Opportunities."
2. June 24, 2024: Organized a webinar at JSPM University titled "Free Space Optical Communication," with Dr. Prasant Kumar Sahu from IIT Bhubaneswar.

REFEREES

Prof. Vijay S. Kale (Ph.D. Supervisor)
@ VNIT Nagpur
vskale@eee.vnit.ac.in
Nagpur, Maharashtra
Pin 440010 (India)

Dr. Amit Kumar
@ NIT Kurukshetra
amitkumar357@nitkkr.ac.in
Kurukshetra, Haryana
Pin 136119 (India)

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge and belief.

Date: 10/12/2025 Dr. Srinivas Nagaballi

Place: Nanded