**FACULTY PROFILE**

**Dr. S. G. Khadilkar**

**Assistant Professor**

**Department of Electrical Engineering**

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| T-1003, Eka One Life Society, Pathardi Road, Nasik Mob: 9970177186 Email ID: shrunkhala.khadilkar@ges-coengg.org | Your profile picture |

**QUALIFICATION**

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| Sr. No. | Course | Institute | Specialization | Class / Division |
| 1. | PHD  | Medi-Caps University, Indore | Power system |  |
| 2. | M.E.  | Walchand College of Engineering Sangali | Electrical Power System | First Class |
| 3. | B.E. | K.K.Wagh C.O.E. Nasik | Electrical Engg. | First Class |

**TEACHING EXPERIENCE**

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| Sr. No. | Industry/Institution/ Research | Designation | Work Period |
| From |  | To |
| 1. | K.K.Wagh C.O.E. Nashik | Lecturer | 2004 | 2006 |
| 2. | N.D.N.V.P. C.O.E. Nashik | Lecturer | 2007 | 2008 |
| 3. | M.E.T. I.O.E. B.K.C. Nashik | Lecturer | 2008 | 2010 |
| 4. | GES.R.H.Sapat COEMS&R,Nashik | Assistant Professor | 2010 | Till date |

**RESEARCH PUBLICATIONS**

1. S. S.Halve, A. Koshti and R.Arya , "Statistical Analysis for Active Power Loss Incorporating Distributed Generation in Distribution System ":3rd International Conference on Electronics, Communication and Aerospace Technology ( ICECA),pp. 1185-1189,2019, During 12-14 June 2019.
2. S. S.Halve, R.Arya, and A. Koshti " Metaphor-less RAO-1 optimization based algorithm to determine shunt capacitor capacity in distribution system" Published in 2022, IEEE 11 th International Conference on Communication systems and Network Technologies (CSNT), pp. 107-112, 23-24 April, 2022.
3. S. S.Halve, R.Arya, and A. Koshti , " Metaphor-less RAO-3 and Sine Cosine Algorithm for optimal sizing of distributed generations of multiple types in radial distribution systems", ELECTRICA Journal (SCOPUS Indexed), vol. 23, no.2, pp.177-191, 2023.
4. S. S.Halve, A. Koshti and R.Arya , " A Sampling method based on system state transition for distribution system adequacy assessment using distributed generation", Journal of Operation and Automation in Power Engineering ( SCOPUS Indexed), vol.11, no.4,pp. 249-257, 2023.
5. S. S.Halve, R.Arya, and A. Koshti ," Locating , Optimal Sizing and Reliability analysis of solar based DGs in Radial Distribution System", Journal of The Institution of Engineers (India) :Series B ( SCOPUS Indexed), vol. 104, no.1, pp.201-213, 2023.
6. M. K.Sinha, P. Chouhan, S. S. Halve , P. Mehata and S. S. Raghuwanshi, “ Design and optimisation of hybrid solar PV energy system for rural areas in the Narmada Valley, India”, International Journal of Ambient Energy, vol. 45, no.1, 2024

**ADMINISTRATIVE WORK**

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| Sr. No. | Post | Description |
| 1. | Member Secretary | Women's Grievance and Redressal Cell |
| 2 | Member Secretary | Internal Committee |

**UNIVERSITY RESPONSIBILITIES**

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| Sr. No. | Post | Duties |
| 1. | Member | Local Inquiry Committee (LIC) and Subject Expert –UGC on University of Pune |
| 2. | Subject Expert | Subject Expert for the Power system-I subjectUniversity of Pune |
| 3. | Member | Local Inquiry Committee, University of Pune |
| 4. | Subject Chairman, | - Power System Operation and Control (B.E. 2019 course)- Research Methodology (M.E 2017 course)  |
| 5. | Examiners (External and Internal) | Practical and Theory Subjects of Engineering |
| 6. | Senior Supervisor (External and Internal) | Theory |

**FDP/WORKSHOP/WEBINAR/SEMINAR ATTENDED**

1. Twelve week NPTEL-AICTE Faculty development programme on "Power System Engineering" 2023.
2. AICTE-ISTE Sponsored one-week Induction/Refresher Programme on "Role of ICT in Teaching-Learning process" 5/5/2021-11/5/2021
3. Faculty development programme on "Artificial Intelligence(AI) and Machine learning(ML) applications in Power systems organized by department of electrical engineering, June 1-3,2020.
4. Short term training program through ICT Mode on " Renewable Energy Sources and Emerging Technologies" organized by NITTT&R, Kolkata from 26/5/2020-30/5/2020.
5. Short term training programme through ICT Mode on " Skill Assessment in Laboratory and Workshop" organized by NITTT&R, Kolkata from 18/5/2020-22/5/2020.
6. Short term training programme through ICT Mode on " Concept Mapping in Teaching Learning “ organized by NITTT&R, Kolkata from 27/4/2020-1/5/2020.
7. Online Faculty Development Program on“Awareness of E-Content Development” organized by Gokhale Education Society’s Digicon Committee conducted between 25/06/2020 to 27/06/2020.
8. Eight week NPTEL-AICTE Faculty development programme on "Electrical Distribution Analysis" 2020.
9. Twelve week NPTEL-AICTE Faculty development programme on "Power System Analysis" 2019.
10. One week short term training program on "Simulation and modeling in power system engineering" at SVNIT Surat, Dec 28,2015-Jan 1,2016.
11. Two day workshop on "Energy audit: scope and opportunities" at SIEM, Nasik from 24/2/2012 to 25/2/2012.
12. Faculty development program on "Energy and power quality Management and high voltage engineering "on 22-24 Aug 2015.
13. Two week ISTE STTP on "Electrical power system", from 12/6/2017 to 15/7/2017 at K.K.W.I.E.E.&R, Nasik
14. Faculty development program on "Hands on training of project based learning" on 29-30 june2018at K.K.W.I.E.E&R, Nasik
15. Three days workshop on "Basics of Industrial automation using PLC and SCADA" during 23-25, Sep 2016.
16. Two days National Seminar on "Emerging new dimensions of higher education in India" during 20-21 Feb 2015.
17. Awareness program on "Cancer Prevention &Healthy Lifestyle "held on 30/10/2020.
18. Webinar on "Effective ways of writing research article"organized by GCOERC, Nashik held on 24/7/2020
19. Webinar on "COVID-19: Financial Impact and Planning for Middle Class Families” held on 28/5/2020 organized by Medi-caps University, Indore.
20. Elearning program on " Machine Learning" held on 19/5/2020 by TATA STEEL
21. Elearning program on " Power system Generation" held on 11/5/2020 by TATA STEEL
22. Elearning program on " Advanced Microsoft Excel " held on 6/5/2020 by TATA STEEL
23. Elearning program on " Power System Earthing " held on 5/5/2020 by TATA STEEL
24. Elearning program on " Power System Transmission and Distribution " held on 4/5/2020 by TATA STEEL

**ACHIEVEMENTS**

1. Recently got Doctor of Philosophy in electrical engineering in May 2023.
2. Got " Silver +Elite" in NPTEL twelve week course for Subject: Power system Engineering" in 2023.
3. Got "Elite" in NPTEL six week course for Subject: Electrical Distribution System Analysis" in 2020.
4. Got "Elite+Gold" and Topper in NPTEL twelve week course for Subject: Power System Analysis" in 2019.

Dr. S. G. KhadilkarM