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| **Personal Information :**

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| spgpic | Full Name : SUNANDA PRAVIN GHANEGAONKAR |
| Designation : ASSOCIATE PROFESSOR IN  ELECTRICAL ENGINEERING |
| Email Addresses : spg@elec.coep.org.in |
| Contact Nos. : 020-25507115 |

 |
| **Education Information :**

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| --- | --- | --- | --- | --- |
| Education | University | Percentage | Pass Year  | Specialization |
| Ph.D. | Pune | Pursuing |  | Electrical Engineering |
| M.E. | Pune | 61.36% | 1996 | Power Systems |
| B.E. | Mumbai University,  | 56.6% | 1987 | Electrical |
| HSC | HSC Board, Pune | 62.67% | 1983 | -- |
| SSC | SSC Board, Pune | 87.71% | 1981 | -- |

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| **Experience :**

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| --- | --- | --- | --- |
| Organization / Institute  | Designation | Working Period | Subject  |
| College of Engineering Pune- 05 | Associate Professor in Electrical Engineering. | 1.1.2006Till Today | Power systems, Power systems analysis, Power system dynamics, Power System protection, Engineering Optimization, Basic electrical engineering  |
| College of Engineering Pune- 05 | Asstt. Professor in Electrical Engineering. | July 2002–Dec 2005 | Power systems, Power System protection, , Basic electrical engineering, Advanced Microprocessors  |
| College of Engineering Karad | Asstt. Professor in Electrical Engineering. | June 2001 –July 2002 | Power System protection, , Basic electrical engineering, Advanced Microprocessors |
| College of Engineering Pune- 05 | Asstt. Professor in Electrical Engineering.(MPSC selection) | March 2000 –June 2001 | Power System protection, , Basic electrical engineering, Advanced Microprocessors, Electrical Technology  |
| College of Engineering Pune- 05 | Asstt. Professor in Electrical Engineering.(DTE selection)11 months appointments | 1. Jan 1999

-Nov 19991. Jan 1998

-Nov 1998 | Power System protection, , Basic electrical engineering, Advanced Microprocessors, Electrical Technology  |
| College of Engineering Pune- 05 | Lecturer in Electrical Engineering.(MPSC selection) | Jan 1990- Dec 1997 | Basic electrical engineering, Microprocessors, Electrical Technology  |
| Mazgon Dock Ltd., Mazgon, Mumbai  | Jr. Design Engineer | Aug 1988-Jan 1989 | Electrical system design for warship |
| Mazgon Dock Ltd., Mazgon, Mumbai  | Management Trainee | July 1987-July 1988 | Training |

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| **Teaching Responsibilities :**

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| Class | Branch | Subject |
| F.Y. B. Tech. | Electrical | Basic Electrical Engineering |
| B.Tech (ILOE) | Other Branches | Engineering Optimization |
| M.Tech (ILOE) | Other Branches | Engineering Optimization |
| F.Y. M.Tech | Electrical | Engineering Optimization |
| F.Y. M.Tech | Electrical | Power System Analysis |
| F.Y. M.Tech | Electrical | Power System Dynamics |

**Publications :** **National Conferences:**

|  |  |  |
| --- | --- | --- |
| Sr.No. | Title | Published Date  |
| 1 | A Literature Survey: Wide Area Management for Power System Protection and Control. *IEEE* *INDIA COUNCIL, 29th Annual Convention and Exhibition*, *Pune* *12-14 Dec 2003* |  Dec 2003 |
| 2 | Real Time Accurate Frequency Measurement using Phasor Measurement Unit (PMU) *National Conference on Advances in Power Systems and Energy Management, Panjab, 1-2 March 2008* | March 2008 |
| 3 | Load Flow Analysis of Radial Distribution Systems, *National Conference on Advanced Electrical Engineering,Pune 17-18 May 2013* | May 2013 |
| 4 | Coordinated optimal Placement of Distributed Generation and Voltage Regulator by Multi-Objective Efficient PSO Algorithm, *Conference Proceeding, IWC 2015, Conference at IITK, 14-17 December 2015* | Dec 2015 |

**National Journals:**

|  |  |  |
| --- | --- | --- |
| Sr.No. | Title | Published Date  |
| 1 | Comparative Study of Various Power Flow Methods for Radial Distribution Systems *Technical Journal of The Institution of Engineers (India) Pune Local Centre Vol. 36, Nov. 2013* |  Nov. 2012 |
| 2 | Optimal Placement and Sizing of Distributed Generation in Radial Distribution System Using PSO, *Technical Journal of The Institution of Engineers (India), Vol. 39, November 2015, ISBN No. 978-81-924990-3-1, pp 214-218* | Nov. 2015 |

**International Conferences :**

|  |  |  |
| --- | --- | --- |
| Sr.No. | Title | Published Date  |
| 1 |  “Accurate Frequency Tracking in Power System. A literature Survey” *International Conference on Multidisciplinary Aspects of Engineering,Pune 7-8 Jan 2005* | Jan 2005 |
| 2 | “Dependability and Security Evaluation of Adaptive Fault Location Algorithm of Transmission Line Protection with Synchronized Phasor Measurement ” *4th International Conference on Power System Protection and Automation 21-22 Nov 2007, New Delhi* | Nov 2007 |
| 3 | “Dynamic Load Model and its incorporation in MATLAB based Voltage Stability Toolbox”. *17th Power Systems Computation Conference 22-26 Aug 2011, Stockholm, Sweden* | Aug 2011 |

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**International Journals :**

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| --- | --- | --- |
| Sr.No. | Title | Published Date  |
| 1 | Power Flow Analysis of Radial Distribution System *International J. of Multidispl.Research & Advcs. in Engg.(IJMRAE),* *ISSN 0975-7074, Vol. 7, No. IV (October 2015), pp. 81-93* |  Oct. 2015 |
| 2 | Multi Load Level Optimal Placement and Tap Setting of Voltage Regulator Using PSO in Radial Distribution System with Distributed Generation, *International J. of Engg. Research & Indu. Appls. (IJERIA). ISSN 0974-1518, Vol.8, No. IV (November 2015), pp. 1-14* | Nov. 2015 |

**Participation in Training Programme ( Attended):**

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| --- | --- | --- |
| Sr.No. | Training programme | Date of Programme |
| 1 | Power Flow Analysis of Radial Distribution System *International J. of Multidispl.Research & Advcs. in Engg.(IJMRAE),* *ISSN 0975-7074, Vol. 7, No. IV (October 2015), pp. 81-93* |  Oct. 2015 |
| 2 | Multi Load Level Optimal Placement and Tap Setting of Voltage Regulator Using PSO in Radial Distribution System with Distributed Generation, *International J. of Engg. Research & Indu. Appls. (IJERIA). ISSN 0974-1518, Vol.8, No. IV (November 2015), pp. 1-14* | Nov. 2015 |
| 3 | ISTE STTP on “Faculty Development Programme for Teachers of Engineering and Farmacy”. *S P College of Engineering, Andheri, Mumbai* | 8-19 May 1995 |
| 4 | Microprocessor Based Protective Relays and Measuring Systems. *P V G’s C O E T, Pune* | 27 Sep 1997 |
| 5 | ISTE STTP on “Incremental Motion Control System”*Cummins College of Engineering for Women, Pune* | 14-19 Dec 1998 |
| 6 | QIP training program on “DSP Hardware and Software in Power Electronics”*IIT Bombay, Powai, Mumbai* | 5-16 May 2003 |
| 7 | “Human Resource Development Programme”*College of Engineering, Pune.* | 25-27 Sep 2003 |
| 8 | IIT M.Tech “Digital Protection” Course (1Sem)*IIT Bombay, Powai, Mumbai* | Jan –April 2004(45 lectures) |
| 9 | ISTE STTP on “Recent Trends in Power System Protection”*Nirma University of Science and Technology, Ahmadabad* | 29Nov-10Dec 2004 |
| 10 | CPRI Training Programme: “Testing of Energy Meters and Relays”*CPRI, Banglore* | 29Aug-2Sep |
| 11 | Training Programme under TEQIP,”Educational Video Content Creation”*Walchand College of Engineering, Sangli* | 21-22 Jan 2006 |
| 12 | Training Programme: “Enhancement of Administrative and Managerial Skills” | February 2006 |
| 13 | *College of Engineering, Pune* |  |
| **Participation in Training Programme (Imparted):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No. | Programme | Subject Taught | Venue | Duration | Date of Programme |
| 1 | Workshop‘SEE2001’ | Solar Energy Engineering | College of Engineering, Pune | 1 day | 13 Mar 2001 |
| 2 | ISTE-Student Chapter State Convention‘Techno-Gram 2K2’ | Technology for Rural India | Department of Electrical EngineeringCollege of Engineering, Pune | 2 days | 23-24 Sep 2002 |
| 3 | Exhibition of Electrical and Electronics Testing and Measuring Instruments | Electrical and Electronics Testing and Measuring Instruments | Department of Electrical EngineeringCollege of Engineering, Pune | 3 days | 17-19 Apr 2004 |
| 4 | Workshop on Embedded Systems | Embedded Systems | Department of Electrical EngineeringCollege of Engineering, Pune | 2 days | Nov 2007 |
| 5 | Training Programme for SC and ST students | Fluency in English | College of Engineering, Pune | 1 week | June2006 |

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**Membership:**

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| Organization | Designation | Date of Posting | Activity |
| ISTE | Life Member | LM 1253 |  |
| Quality Circle Forum of India | Life Member |  |  |

**Area of Research / Interest :**

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| --- | --- | --- |
| Research Area | Details | Grant Available |
| Power System Protection | MODROB- Development of Digital Protection Laboratory | Rs. 6.5 lacs |

**Administrative Responsibilities :**

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| Responsibility | Organization |
| Head, Department of Electrical Engineering | Govt. College of Engineering, Karad |

**Invited Talk :**

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| --- | --- | --- | --- |
| Subject | Venue | Duration | Date of Talk |
| Expert Lecture on ‘Computer Applications in Power System Protection’ | Govt. College of Engineering, Karad  | 3 Hours | 22 Dec 2003 |