

	Name	Mr. SWAPNIL ARUN NAMEKAR		
	Designation	Assistant Professor		
	Department	Electrical Engineering		
	Qualification	- Pursuing Ph.D. from Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune. - M.S. in Electrical Engineering (University of Hawaii, USA), - B.E. Electrical Engineering (University of Pune)		
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	Experience	Teaching 11 yrs Research 8 yrs	Industry	3 yrs
	M.Tech students guided	06		
Area of Interest	Micro and Nano Bio-medical devices, Nano-technology in various medical applications, Power Plant Engineering, PLC – SCADA & Automation			
Publications	International Journal(s):	61	National Journal(s):	-
	International Conference(s):	01	National Conference(s):	-
Publication Details:	<ol style="list-style-type: none"> 1. “An Optically Controlled 3D Cell Culturing System,” Advances in Optoelectronics, Volume 2011 (2011) 2. “Dynamic Study of Grid Connected Hybrid Wind PV System in ETAP” 2017 IJSRSET Volume 3 Issue 3 Print ISSN: 2395-1990 Online ISSN : 2394-4099 3. “Automatic Power Factor Correction Using Microcontroller”, IRJET, Volume: 04 Issue: 06 June -2017 4. “Review on Grid-Connected Hybrid DFIG Based Wind and PV”, 2017 IJSRCSEIT Volume 2 Issue 1 ISSN : 2456-3307 5. Automatic Car Washing using PLC, MICROCONTROLLER ,Vol 6, Issue 2016 6. Basic Structure Of PLC, International Journal Of Engineering And Techniques, Volume 4 Issue 3, May – June 2018 7. Communication With Energy Meter And Field Devices Using Plc, International Journal For Research In Applied Science & Engineering Technology (Ijrasnet) 8. Single Stage Controlling Of BLDC Motor Drive By Using Proportional Resonant Controller, International Journal Of Applied Engineering Research 9. Load Flow & Short Circuit Analysis Of 132/33/11kv Substation Using Etap, International Journal Of Advance Engineering And Research Development, ISSN 2348-4470, 01-12 10. Harmonic analysis and suppression in hybrid wind & PV solar system, International Conference on Electrical, Electronics, Materials and Applied Science AIP Conf. Proc. 1952 11. PLC Programming for Various Application Under Lab Development, International Journal of Research in Engineering, Science and Management, ISSN 2581-5792, 329-333. 12. Geothermal Power Plant Design Using PLC & SCADA, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 176-179. 13. Water Heating Process using PLC, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 275-280 14. Integration of SCADA System with Existing PLC Setup to Control Induction Motor and Stepper Motor, International Journal of Research in Engineering, Science and Management, ISSN 2581-5792, 407-410. 15. Industrial Automation using Modern Controls, Monitoring, Data Logging and Development of Training Facility in College, International Journal of Engineering Research & Technology, ISSN 2278-0181, 563-568. 			

16. INDUSTRIAL AUTOMATION USING PLC, HMI AND ITS PROTOCOLS BASED ON REAL TIME DATA FOR ANALYSIS, International Journal of Advanced Research in Engineering and Technology, ISSN 0976-6480, 0976-6499, 1353-1363.
17. SMART GRID USING RENEWABLE ENERGY, IoT AND HPES SYSTEMS, International Journal of Engineering Applied Sciences and Technology, ISSN 2455-2143, 205-210.
18. Electricity Generation Using Solar Power, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 267-272.
19. Water Level Controller, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 262-266.
20. Increasing the thermal Efficiency of Steam Power Plant with the Help of Solar Energy, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 340-342.
21. Smart Distribution Systems, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 443-449.
22. Review Paper Solar Energy Generatio Recent Trends, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 740-744.
23. Sodium-ion Energy Storage Batteries, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 354-356.
24. Radioactive waste management analysis, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 351-353.
25. Fuel Cell and Hydrogen Vehicles, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 381-384.
26. High Speed Electrical Transmission, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 390-392
27. Recent Developments in Electric Vehicles, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 347-350
28. Electric vehicles: Network Modelling and Future Research Needs, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 419-422.
29. Hybrid Vehicle, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 381-384
30. Programmable Logic Controller (PLC) and its Applications, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, ISSN 2349-6002, 372-376.
31. BASIC STRUCTURE OF PLC, International Journal of Engineering and Techniques, ISSN 2395-1303, 169-173
32. Communication with Energy Meter and Field Devices using PLC, International Journal for Research in Applied Science & Engineering Technology, ISSN 2321-9653, 738-740.
33. Control of Induction Motor Using PLC and VFD, International Research Journal of Engineering and Technology, ISSN 2395-0056, 2395-0072, 995-997.
34. Role of Bisection Method, International Journal for Research in Applied Science & Engineering Technology, ISSN 2321-9653, 426-428
35. Review on Concepts of Nuclear Power Plant, International Journal of Innovative Research In Technology, ISSN 2349-6002, 377-380
36. Development of Photo Voltaic - Electric Bicycle Powered by Solar, International Journal for Research in Applied Science & Engineering Technology, ISSN 2321-9653, 533-536
37. Wireless Power Transmission for Wireless Charging, International Journal of Innovative Research in Technology, ISSN 2349-6002, 357-359
38. Polymeric Composite Insulator 11-33KV, International Journal of Innovative Research in Technology, ISSN 2349-6002, 385-386

39. Hydrogen Fuel Cell Vehicles, International Journal of Innovative Research In Technology, ISSN 2349-6002, 413-418
40. A Review Paper on Home Automation, International Journal of Innovative Research In Technology, ISSN 2349-6002, 387-389.
41. High Speed Electrical Transmission, International Journal of Innovative Research In Technology, ISSN 2349-6002, 390-392
42. A Review Paper on Nuclear's Power Plants Safety, International Journal of Innovative Research In Technology, ISSN 2349-6002, 409-412
43. The Electric Vehicle, International Journal of Innovative Research In Technology, ISSN 2349-6002, 273-277
44. Solar Power Technology for Electricity Generation, International Journal of Innovative Research in Technology, ISSN 2349-6002, 360-362
45. A Review on Automation Of Industries, International Journal of Engineering Applied Sciences and Technology, ISSN 2455-2143, 298-300
46. Reasons for Failure of Transmission Lines and their Prevention Strategies, International Journal for Research in Applied Science & Engineering Technology, ISSN 2321-9653, 780-783
47. Study of Electric Vehicles, International Journal of Innovative Research In Technology, ISSN 2349-6002, 278-284
48. Experimental Study on Power Saver Establishment for Commercial Purpose, International Journal of Scientific Research and Engineering Development, ISSN 2581-7175, 732-734
49. Use of Cloud Computing in Grid Control, International Journal of Innovative Research In Technology, ISSN 2349-6002, 363-364
50. Efficiency of Solar Panel, International Journal of Innovative Research In Technology, ISSN 2349-6002, 369-371
51. Efficiency of Solar Panel, International Journal of Innovative Research In Technology, ISSN 2349-6002, 285-287
52. Increasing Efficiency of Thermal Power Plant with the Help of Solar Energy, International Journal for Research in Applied Science & Engineering Technology, ISSN 2321-9653, 723-724
53. Efficiency of Solar Panel, International Journal of Innovative Research In Technology, ISSN 2349-6002, 288-290
54. Review on Concepts of Nuclear Power Plant, International Journal of Innovative Research In Technology, ISSN 2349-6002, 336-339
55. Review Paper on Application of Nanotechnology in Science and Technology, International Journal for Research in Applied Science & Engineering Technology, ISSN 2321-9653, 648-650.
56. Study of Electrical Vehicles And Its Applications, International Journal of Innovative Research in Technology, ISSN 2349-6002, 393-401
57. Review Paper on Solar Energy, International Journal of Innovative Research in Technology, ISSN 2349-6002, 402-408
58. Analysis of Solar Based Thermal Power Plant, International Journal of Innovative Research In Technology, ISSN 2349-6002, 273-274
59. ADMS: The Substratum of Modern Age Power Distribution, International Journal of Innovative Research In Technology, ISSN 2349-6002, 381-384
60. Single Stage Controlling Of BLDC Motor Drive By Using Proportional Resonant Controller, International Journal Of Applied Engineering Research, ISSN 0973-4562, 8778-8782
61. Speed Control Of Induction Motor Using Plc Through VFD, International Journal of Scientific Development and Research, ISSN 2455-2631, 381-386

	62. Interfacing Of Stepper Motor With Programable Logic Controller Using Human Machinery Interface, Journal of Emerging Technologies and Innovative Research, ISSN 2349-5162, 528-530
Books Published	<ol style="list-style-type: none"> 1. Electrical Materials and Wiring Practice, ISBN 978-93-89233-34-6, Tech Knowledge Publications 2. Control Systems and PLC, ISBN 978-93-89251-43-2, Tech Neo Publications
Workshops/Seminar/Conferences attended	<ol style="list-style-type: none"> 1. Re-Thinking Science Learning and Teaching - Workshop held on October 24, 2009, Maui, Hawaii, USA 2. Workshop on Professional Development Program held in 2010 3. Attended more than 5 leadership talk series organized by MHRD in May 2020. 4. Participated in IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020
Achievements	<ol style="list-style-type: none"> 1. "Smart cell culture platform" Provisional U.S. Patent Application filed 07/09/2010 (Serial No. 61/363,076) 2. Completed 9 online certified quiz competitions organized by various colleges/Universities. 3. Completed 9 Short Term courses related to Electrical and Electronics Engineering under TATA Steel Learning Centre during April – May 2020. 4. Completed 2 online workshops under ALTAIR software for design of electrical machines. Technological Innovations in ICT for Agriculture and Rural Development (TIAR), 2016 IEEE. 5. National Power Electronics Conference, NPEC 2017. 6. Attended more than 5 leadership talk series organized by MHRD in May 2020. 7. Participated in IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020
Extra Activities	<ol style="list-style-type: none"> 1. Participated in ELI activities at University of Hawaii at Manoa, USA, 2. In-plant training coordinator at department level 3. IIC department coordinator 4. BoS member of Department of Electrical Engineering 5. Organizing committee member of Nanocon018 Conference. 6. Worked as a Graduate research assistant at University of Hawaii at Manoa, USA 7. Participated in Dale Carnegie's workshop on High Impact Teaching Skills