

BIO-DATA



Recent Photograph

1.	Name	Abhishek Kanchan Shiwalkar			
2.	Designation	Assistant Professor			
3.	Residential Address	A-502 Neelkanth Sadan, Sector 10, Khanda Colony, Navi Mumbai, 410206			
4.	Date of birth	18/10/1988			
5.	Total Experience	13 years			
i.	Teaching	13			
ii.	Industrial	0			
6.	Qualifications				
	Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI
	M.E.	2016	Pune University	Electrical Power System	7.44
Additional Qualification:					
7.	Employment Record				
	Institution	Year (From To)	Designation		
	RSCOE, Pedhambe, Chiplun	20-3-2012 to 25-7-2016	Assistant Professor		
	FCRIT, Vashi	27-6-2017 till date	Assistant Professor (UGC)		
8.	Undergraduate / Postgraduate Teaching Experience and Subjects Taught				
	Subjects Taught at UG level				
	Sr.No.	Name of Subject			Semester
	1	Drives and Control (Rev.2016 M.U.)			VIII
	2	Microprocessor and Microcontroller (Rev.2016 M.U.)			VI
	3	Power System Analysis (Rev.2016 M.U.)			VI
	4	Electrical Machines-I (Rev.2016 M.U.)			III
	5	Electrical Machines-II (Rev.2016 M.U.)			IV
	6	Electrical Machines-III (Rev.2016 M.U.)			V
	7	Electrical Machines-IV (Rev.2016 M.U.)			VI
	8	Conventional and Nonconventional Power Generation (Rev.2016 M.U.)			III
	10	Basic Electronics (Rev.2016 M.U.)			III
	11	Fundamental of Electrical Machines and Measurement (Rev.2019 M.U.)			VI III
	12	Basic Electrical Engineering (Rev.2019 M.U.)			I
	13	Electrical AC Machines-II (Rev.2019 M.U.)			V
	Subjects Taught at PG level				
	Sr.No.	Name of Subject		Semester	
	1	Extra High Voltage AC transmission system.		II	

10.	Research Funding / Consultancy Services:					
	Research Grants:					
	Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project
	1	FCRIT	R&D Activity	49100	2021-22	To design and develop Solar Water Pumping System
11.	Professional Societies Fellowship / Membership ISTE membership IEI membership					
12.	Achievements / Awards / Position 1-Best paper award for paper titled “Hardware Implementation of V/F Control for Solar Water Pumping System”, 1 st IEEE International Conference on Green Industrial Electronics and Sustainable Technologies (GIEST 2024) organized by the IEEE Kolkata Section-Silchar Industrial Electronics Society Chapter in association with the Department of Electrical Engineering, NIT Manipur and IEEE Student Branch, NIT Manipur. 2- Received Elite grade for 12 week NPTEL online certification course on Electrical Machines-I. (Jul-Oct 2024)					
13.	Projects guided in UG/PG level 1-Line voltage compensation using Dynamic Voltage Restorer. 2- Sign language recognition.					
14.	Short Term Training Programmes attended <ol style="list-style-type: none"> 1. Three-day course on “Solar Photovoltaic Technologies: Introduction and Current status”, conducted by IIT Bombay, OCT. 2010 2. Application of Microcontroller in Electrical Engineering”, conducted by Department of electrical engineering, BSCOER, Narhe, Pune, October 2013. 3. ‘Reliability in Electrical and Electronic Systems ’organized by the department of electrical engineering at FCRIT, Vashi, July 2017 4. NPTEL course on ‘Power System Engineering’,6 month duration 5. Electric Power Systems an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera 6. Three days online workshop on ‘Education 4.0’, organized by Atharva College Of Engineering, Malad, Mumbai. 7. One-week Online Faculty Development Program on "Opportunities & Challenges in Electronics & Allied Industries in India post COVID-19" organized by Vivekanand Education Society's Institute of Technology, Chembur, Mumbai. 8. One-week online Faculty Development Program on “OUTCOME BASED EDUCATION: A STEP TOWARDSEXCELLENCE” from 11-15 May 2020 under Margdarshan Scheme of AICTE, New Delhi. 9. Completed a certificate course on “Learn to design your own solar Home System”, organized by Energy Swaraj Foundation. 10. One week online STTP on topic “DSP, Arduino, and C/Python” organized by Department of Electrical Engineering of FCRIT, Vashi from 10th May 2021 to 14th May 2021. 11. 5 days online Faculty Development Program on the topic “Futuristic Electrical Power Systems” organized by Department of Electrical Engineering of FCRIT, Vashi from 10th-16th November 2022. 12. AICTE Training and Learning (ATAL) Academy Faculty Development Program on Institutional Restructuring and Strengthening Autonomy through NEP at FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING from 20/11/2023 to 25/11/2023. 13. ISTE approved SF-STTP/ FDP on “Pedagogical Strategies for Effective Teaching-Learning” held during 18.12.2023 to 23.12.2023 organized by Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra. 					
15.	List of Papers Published in National and International Conferences (list in IEEE format) 1-Abhishek Shiwalkar and R P Kelapure , " Application Of Cascade Cockcroft Walton					

	<p>Voltage Multiplier In Multiple Output DC-DC Converter," International Journal of Innovation In Engineering and Science,2016.</p> <p>2- Abhishek Shiwalkar, Bennadit Nadar, Steven Alappat, Ashley Noronha, Nathaniel Xavier," Design of power drive for electric vehicle with solar charging", International Journal of Research in Engineering and Innovation, Volume-3, Issue-1, pp- 72-78, 2019</p> <p>3-Abhishek Shiwalkar and Shilpa Shinde, "Multiple output dc-dc converter derived from Cock-Croft Walton voltage multiplier and SIMO converter", International Journal of Research in Engineering and Innovation Vol-4, Issue-3,pp-137-142, 2020.</p> <p>4- Shreya Shinde, Lennard Dsouza, Snehal Maria, Shivam Anvekar, Abhishek Shiwalkar, "Data- Driven Modelling of Prognostics of Lithium-ion Batteries using LSTM" International Research Journal of Engineering and Technology, Volume-9, Issue-6, June 2022.</p> <p>5- S. Varma and A. Shiwalkar, "Non Contact Voltage with Electrostatic Polarity Detector," <i>2023 World Conference on Communication & Computing (WCONF)</i>, RAIPUR, India, 2023, pp. 1-5, doi: 10.1109/WCONF58270.2023.10235014.</p> <p>6- Rane, Mahendra, Rashmi G. Kale and Abhishek Shiwalkar. "Stability Analysis of Quadratic Boost Converter with Different Controllers." <i>2023 5th Biennial International Conference on Nascent Technologies in Engineering (ICNTE)</i> (2023): 1-6.</p> <p>7- Mahendra Rane and Abhishek Shiwalkar, "Hardware Implementation of V/F Control for Solar Water Pumping System", 1st IEEE International Conference on Green Industrial Electronics and Sustainable Technologies (GIEST 2024) organized by the IEEE Kolkata Section-Silchar Industrial Electronics Society Chapter in association with the Department of Electrical Engineering, NIT Manipur and IEEE Student Branch, NIT Manipur</p>
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I hereby declare that all statements in this bio-data are true, complete and correct to the best of my knowledge and belief.

Place: Navi Mumbai

Date: Feb. 14, 2025

Abhishek Kanchan Shiwalkar