## **BIO-DATA**



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1.		Name			RAJENDRA SHYAMBIHARI SONI						
2.		Designati	on	ASSISTANT PROFI	ASSISTANT PROFESSOR						
3.		Residenti	al Address	804, Building No 1, S	804, Building No 1, Sarvoday Enclaves, Agra Road, Near Shivaji						
				Chowk, Kalyan (W)	Chowk, Kalyan (W) - 421301						
4.		Date of bi	rth	18 MAY 1986	18 MAY 1986						
5.		Total Exp	erience	14 Years and 6 Mont	14 Years and 6 Months as on 24/10/2024						
	i.	Teaching		14 Years and 2 Mont	14 Years and 2 Months						
	ii.	Industria		4 Months	4 Months						
6.		Qualificat	tions								
	Exam Year		Institution/	ution/ Branch/Specialization							
		Passed		University		ge/CGPI					
		ME	DEC	PUNE	ELECTRIC	AL 8.02					
			2013	UNIVERSITY	CONTRO	OL CGPI					
					SYSTEM	IS					
		BE	MAY	MUMBAI	ELECTRICAL	80.21					
			2009	UNIVERSITY		%					
		HSC	MARCH	MAHARASHTRA	SCIENCE	68.5					
			2004	BOARD							
	SSC MARCH		MAHARASHTRA		82.13						
			2002	BOARD							
		Additiona	l Qualificat	ion:		·					

7. Employment Record

	Institution	Year	Designation
		(From To	0)
ĺ	FCRIT, VASHI	3 JULY 2015 TO TILL DATE	ASSISTANT
			PROFESSOR
	SES, GOIFE, DIKSAL	JULY 2010 TO JUNE 2015	LECTURER
	VIBHA MECHANO	JAN 2010 TO APRIL 2010	QUALITY
	ELECTRIC INDIA PVT		CONTROL
	LTD, DOMBIVLI		ENGINEER
	SES, GOIFE, DIKSAL	SEPTEMBER 2009 TO	LECTURER
		DECEMBER 2009	

8. Undergraduate / Postgraduate Teaching Experience and Subjects Taught
Subjects Taught at UG level

Sr.No	Name of Subject	Semester
1	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	I
2	FUNDAMENTALS OF ELECTRICAL MACHINES AND MEASUREMENTS, ELECTRICAL MACHINES – I, II,III	III, IV, V
3	INDUSTRIAL ELECTRONICS	IV Mechanica
4	PYTHON PROGRAMMING LAB	IV
5	COMMUNICATION ENGINEERING	V
6	CONTROL SYSTEMS – I, II	VI, VII
7	ELECTRICAL MACHINE DESIGN	VII
8	DESIGN MANAGEMENT AND AUDITING OF ELECTRICALSYSTEMS, AUTOMATION AND CONTROL	VIII

Research Funding   Consultancy Services:   Sr.No.   Name of the   Address   Product   Consulting   Consulting   Period	9.		h Experience								
Research Grants:   Sr.No.   Name of Funding   Type of   Amount   Year   Name of Research   Organization   Grant   (Rs.)   Project	10.	Research	h Funding / Cons	ultancy So	ervices						
Sr.No. Name of Funding   Type of   Amount   Year   Name of Research   Project		Sr.No.		Address	Pro	duct	1				Period
Sr.No. Name of Funding   Type of   Amount   Year   Name of Research   Project											
Technical Collaboration / Lab Funding with Industries											
Sr.No.   Name of the Funding   Type of Support   Amount (Rs.)   Year		Sr.No.		_   "			nt	Year			Research
Sr.No.   Name of the Funding   Type of Support   Amount (Rs.)   Year											
11. Professional Societies Fellowship / Membership: ISTE LIFE MEMBERSHIP – LM112289  12. Achievements / Awards / Position: SECURED 4 <sup>TH</sup> RANK IN MUMBAI UNIVERSITY AT BE ELECTRICAL EXAMINATION IN 2009  13. Projects guided in UG/PG level: IN UG  1. Implementation of variable frequency drive for three phase induction motor. 2. Wireless speed control of DC motor. 3. Design and implementation of solar inverter with LVRT capability. 4. Speed control of BLDC motor. 5. Water Level Controller System 6. Hardware Implementation and Analysis of 3 – Phase Inverter using different modulation techniques (SPWM and SVPWM). 7. Design and Implementation of Indigenous Load Break Switch.  14. Short Term Training Programmes attended: 1. One week STTP on "Software tools for Engineering researchers" at FCRIT, Vashi. 2. One week STTP on "Microgrid, Smartgrid and Futuristic Energy Paradigms" at FCRIT, Vashi. 3. One week STTP on "Reliability in Electrical and Electronic Systems" at FCRIT, Vashi. 4. One week online STTP on "Design and Control of Power Electronic Converters and it's Applications" organized by NIT, Karnataka, Surathkal 6. One week online STTP on "Design and Control of Power Electronic Converters and it's Applications" organized by NIT, Karnataka, Surathkal 6. One week online FDP on "SCILAB" organized by Indira College of Engineering and Management. 7. One week online FDP on "Recent Trends in Green Energy and Smart Grids" organized by VJTI Mumbai. 8. One week online ATAL FDP on "Artificial Intelligence" by organized BIT, Durg. 9. One week online ATAL FDP on "Control Systems and Sensors Technology organized" by Government Engineering College, Thrissur. 10. Three days online FDP on "Ensuring Physical and Mental Well Being during COVID-19" organized by VJTI. 11. One week online FDP on "Ensuring Physical and Mental Well Being during COVID-19" organized by VJTI. 11. One week online FDP on "Research Proposal Writing and AI tools in Education and Research" organized by AICTE. 12. One week FDP on "Research Proposal Writing and AI to											
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15.	List of Journal Papers Published
	[1] Rajendra Soni <sup>1</sup> , P S Dhamal <sup>2</sup> , "Direct Torque Control of Three Phase Induction Using
	Fuzzy Logic", IJAMTES, September 2013.
	[2] Piyush Kumar <sup>1</sup> , Gaurav Rangari <sup>2</sup> , Ashwin Shirgaonkar <sup>3</sup> , Wilson Arnold <sup>4</sup> , Rajendra
	Soni <sup>5</sup> , "Implementation and Analysis of A Three-Phase Inverter using Different
	Modulation Techniques (SPWM and SVPWM)", IJERT, ISSN-2278-0181, Vol-12, Issue
	2, Feb – 2023.
	[3] Rajendra Soni, Yogesh Harel, Kaushal Karhade, Sushant Kedari, Shantanu
	Mahabale, "Design and Implementation of Indigenous Load Break Switch", Journal of
	System Engineering and Electronics", Volume 34, Issue 5, ISSN: 1671-1793.
16.	List of Papers Published in National and International Conferences
	[1] Rajendra S, Bindu R, Divya S, Bindu S, "Application of Python-based Machine
	Learning for Transformer Performance and Transmission Line Fault Prediction", 2nd
	IEEE International Conference on Artificial Intelligence and Quantum Computation-
	Based Sensor Applications, 2024.
	[2] Dinesh Bhujade <sup>1</sup> , Rajendra Soni <sup>2</sup> , "Direct Torque Control of Three Phase Induction
	Motor Using Space Vector Modulation Technique", ICHECS, 2016.
	[3] Rajendra Soni <sup>1</sup> , P S Dhamal <sup>2</sup> , "Direct Torque Control of Three Phase Induction
	Motor Using Fuzzy Logic", ICETTA, 2013.
	[4] Rajendra Soni <sup>1</sup> , P S Dhamal <sup>2</sup> , "Torque and Flux Control Methods of Three Phase
	Induction Motor", ICNDCETM – 2012.
17.	Books/Reports/General articles etc.
18.	Invited Lectures in FDP/ STTP
	[1] Session titled "Hands on: Applications of Python in Electrical Engineering" in one
	week STTP on "Role of Machine Learning in Electrical Engineering" organized by
	Department of Electrical Engineering, FCRIT, Vashi, 2024.
19.	International Conference Technical Program Committee Member / Reviewer:
	[1] Reviewer at ICNTE – 2023 organized by FCRIT Vashi
20	
20.	Patents
1	