

## BIO-DATA



<b>1.</b>	<b>Name</b>	Divya Sajeesh				
<b>2.</b>	<b>Designation</b>	Asst.Professor				
<b>3.</b>	<b>Residential Address</b>	A/5, Meenakshi CHS, Sector 16, Plot 38, New Panvel				
<b>4.</b>	<b>Date of birth</b>	28/02/1982				
<b>5.</b>	<b>Total Experience</b>					
<b>i.</b>	<b>Teaching</b>	14 Yrs				
<b>ii.</b>	<b>Industrial</b>	NA				
<b>6.</b>	<b>Qualifications</b>					
	<b>Exam Passed</b>	<b>Year</b>	<b>Institution/ University</b>	<b>Branch/Specialization</b>	<b>Percentage/CGPI</b>	
	B.Tech	2005	Mahatma Gandhi	Electrical & Electronics	73%	
	ME	2014	Mumbai	Power Electronics & Drives	8.5 CGPI	
	<b>Additional Qualification: NA</b>					
<b>7.</b>	<b>Employment Record</b>					
	<b>Institution</b>	<b>Year</b>	<b>Designation</b>			
		<b>(From To)</b>				
	Fr.C.Rodrigues Institute of Technology	Aug 2009 till date	Asst.Professor			
	V.P.M's Polytechnic, Thane	July 2007 to July2009	Lecturer			
<b>8.</b>	<b>Undergraduate / Postgraduate Teaching Experience and Subjects Taught</b>					
	<b>Subjects Taught at UG level</b>					
	<b>Sr.No.</b>	<b>Name of Subject</b>	<b>Semester</b>			
	1	Electrical Networks	III			
	2	Conventional and Non conventional Power Generation	III			
	3	Electronic Devices and Circuits	III			
	4	Electrical Power System	IV			
	5	Analog and Digital Integrated circuits	IV			
	6	Power Electronics	V			
	7	Power System Analysis	VI			
	8	Signals and Systems	VI			
	<b>Subjects Taught at PG level</b>					
	<b>Sr.No.</b>	<b>Name of Subject</b>	<b>Semester</b>			
		HVDC	I			
<b>9.</b>	<b>Research Experience</b>					
	<b>Research Grants:</b>					
	<b>Sr.No.</b>	<b>Name of Funding Organization</b>	<b>Type of Grant</b>	<b>Amount (Rs.)</b>	<b>Year</b>	<b>Name of Research Project</b>
		IEI	PG Grant	80000	2012	Hardware Implementation of PWM Rectifier
<b>11.</b>	<b>Professional Societies Fellowship / Membership</b>					

	<table border="1"> <tr> <td><b>ISTE(2016)</b></td> <td><b>LM112288</b></td> </tr> <tr> <td><b>IEI</b></td> <td><b>AM150778-0</b></td> </tr> </table>	<b>ISTE(2016)</b>	<b>LM112288</b>	<b>IEI</b>	<b>AM150778-0</b>
<b>ISTE(2016)</b>	<b>LM112288</b>				
<b>IEI</b>	<b>AM150778-0</b>				
<b>12.</b>	<p><b>Awards</b></p> <ul style="list-style-type: none"> <li>• Best Paper Award for the paper titled “Hardware Implementation of Single Phase PWM Rectifier” in International conference on Advancement in Science, Technology and Management (ICASTM 2021), Mumbai, 23<sup>rd</sup> -24<sup>th</sup> Dec 2021</li> <li>• Best Paper Award for the paper titled “Modulation Techniques in Single Phase PWM Rectifier” in International Conference on Advances in science and Technology, Mumbai, 8-9 Dec 2015</li> </ul> <p><b>Students Activities</b></p> <ul style="list-style-type: none"> <li>• Worked as staff advisor of IEI student chapter of Electrical dept. since 2014 and organized various technical and nontechnical activities under the chapter [8 yrs]</li> <li>• Organized Mini Project competitions for electrical students annually since 2012[10 yrs].</li> <li>• Organized ‘Avishkar’ national level Project competition in 2019</li> <li>• Organized ‘FRCRIT Avishkar 2023 ’ national level Project competition in 2023</li> <li>•</li> </ul> <p><b>Responsibilities held</b></p> <ul style="list-style-type: none"> <li>• Worked in ICNTE conference publicity committee ( 5 years).</li> <li>• Served In charge of PTI, Dept Academic calendar, Website updation, Dept convocation</li> <li>• Unversity online exam conduction setting exam c</li> <li>• Served as coordinator for one day university level teachers orientation program on Electrical Workshop on 5<sup>th</sup> Dec 2017.</li> </ul> <p><b>Achievements:</b> Served as Reviewer for</p> <ul style="list-style-type: none"> <li>• IEEE 19th India Council International Conference INDICON 2022</li> <li>• IEEE-sponsored Biennial International Conference on Nascent Technologies in Engineering(ICNTE), Fr.C.Rodrigues Institute of Technology, Vashi, January 15-16, 2021</li> <li>• IEEE-sponsored Biennial International Conference on Nascent Technologies in Engineering(ICNTE), Fr.C.Rodrigues Institute of Technology, Vashi, January 4-5, 2019</li> <li>• IEEE-sponsored Biennial International Conference on Nascent Technologies in Engineering(ICNTE), Fr.C.Rodrigues Institute of Technology, Vashi, January 27-28 2017</li> </ul>				
<b>13.</b>	<p><b>Projects guided in the UG level:</b></p> <ul style="list-style-type: none"> <li>• Optimal DG placement in Grid for minimum power loss</li> <li>• Micro inverter for PV application.</li> <li>• Multilevel Cascaded H bridge inverter.</li> <li>• Series converter for PV application.</li> <li>• Single phase PWM rectifier.</li> </ul>				
<b>14.</b>	<p><b>Short Term Training Programmes attended</b></p> <ol style="list-style-type: none"> <li>1. 5 days online FDP on “Solar Vehicles:Design and Implementation(SVDI-2024)”, 23-28 September 2024, by Anant Gyan Knowledge and Skill Private Limited</li> <li>2. 5 days ISTE approved SF-STTP/FDP Programme on “Role of Machine Learning in Electrical Engineering” 02-06 January 2024, at FCRIT, Vashi, Maharastra</li> <li>3. 5 days online FDP on “Innovative Practices in Teaching Learning Process”, 19-23 December 2023 organized by Navsahyadri group of Institutions, Pune.</li> </ol>				

	<ol style="list-style-type: none"> <li>4. 5 days online FDP on “Innovative Teaching and Learning Pedagogy” , 27-31 May 2023, organized by research foundation of India.</li> <li>5. 6 days STTP on “Power Electronics and Drives” from 31<sup>st</sup> Oct to 5<sup>th</sup> Nov 2022 at FCRIT, Vashi, Maharastra</li> <li>6. 5 days ATAL Academy online elementary FDP on “Power Electronics for Power Systems” from 6<sup>th</sup> Dec 2021 to 10<sup>th</sup> Dec 2021 at RIT, Kottayam, Kerala</li> <li>7. 5 days ATAL Academy online elementary FDP on “Power Electronic Systems and its Real Time Control Implementation in DSP” from 8<sup>th</sup> Nov 2021 to 12<sup>th</sup> Nov 2021 at FCRIT, Vashi, Maharashtra</li> <li>8. One week ISTE approved online STTP on “DSP, Arduino, and C/Python”, 10<sup>th</sup> May to 14<sup>th</sup> May 2021, FCRIT, Vashi</li> <li>9. One week AICTE-ISTE approved Induction/Refresher Programme on “Teaching Pedagogies for Engineering Education”, 24<sup>th</sup> to 28<sup>th</sup> June 2019, FCRIT, Vashi</li> <li>10. Edumeet on Automation organized by IIT Bombay &amp; Misbushi Electric Pvt Ltd, 12<sup>th</sup> January 2019</li> <li>11. One week AICTE-ISTE Induction/Refresher Programme on “Innovative Teaching Learning Practices to Achieve Outcome based Education and Accreditation” , 3<sup>rd</sup> to 9<sup>th</sup> May 2018 at SPIT, Andheri.</li> <li>12. One week AICTE-ISTE approved STTP on “Internet of Things A Practical Approach” Nov 27<sup>th</sup> – Dec 2<sup>nd</sup> 2017 at ACPCE Kharghar.</li> <li>13. Two week STTP on “Electric Power System” at BVCE, Kharghar, conducted by IIT Kharagpur 2017</li> <li>14. Five days STTP on “Microgrid, Smartgrid and Futuristic Energy Paradigms” at FCRIT, Vashi 2016</li> <li>15. Two day FDP on “Teaching Power Electronics with MATLAB/Simulink” at RAIT, Nerul, Navi Mumbai, 2015.</li> <li>16. Two day workshop on “Simulation of Power Electronic Circuits” at IIT Bombay, 2014.</li> <li>17. Five day STTP on “Workshop on Advanced Control System” at FCRIT, Vashi, 2013.</li> <li>18. Six days FDP on “Communication Skills” at FCRIT, Vashi, 2013.</li> <li>19. Five day STTP on Renewable Energy Technologies &amp; Applications” at FCRIT, Vashi 2011.</li> <li>20. Five days STTP on “Role of Technology in Environmental Conservation” at SIES Nerul 2010</li> </ol>
15.	<p><b>List of Journal Papers Published:</b></p> <ul style="list-style-type: none"> <li>• Shruti Gite, Hage anga, Sheetal Bhawe, Divya Sajeesh “Power Factor and Harmonic Analysis in Single Phase AC to DC Converter” International Journal of Engineering Research and Technology, 2015, ISSN 2278- 0181</li> <li>• Divya Sajeesh, Sincy George, “Hardware Implementation of PWM Rectifier” ICASTM, Dec 23<sup>rd</sup> - 24<sup>th</sup> 2021 DOI <a href="https://smsjournals.com/index.php/SAMRIDDHI/issue/view/137">https://smsjournals.com/index.php/SAMRIDDHI/issue/view/137</a></li> </ul>
16.	<p><b>List of Papers Published in National and International Conferences:</b></p> <ol style="list-style-type: none"> <li>1. Divya Sajeesh, “Simulation Study of Cascaded H Bridge Multilevel Inverter with six switches” International Conference on Nascent Technologies in Engineering field, ICNTE 2023, 20-21 January 2023, Vashi, Maharashtra. <a href="https://doi.org/10.1109/ICNTE56631.2023.10146730">10.1109/ICNTE56631.2023.10146730</a></li> <li>2. Divya Sajeesh; Pranav Tonapi; Anush Malik “Design and Analysis of Microinverter for Residential PV application”, 2023 9th International Conference on Electrical Energy Systems , (ICEES), 23-25 March, 2023, Chennai <a href="https://doi.org/10.1109/ICEES57979.2023.10110153">10.1109/ICEES57979.2023.10110153</a></li> </ol>

	<ol style="list-style-type: none"> <li>3. Divya Sajeesh, Sincy George, “Hardware Implementation of PWM Rectifier” ICASTM, Dec 23<sup>rd</sup> - 24<sup>th</sup> 2021 <b>DOI</b> <a href="https://smsjournals.com/index.php/SAMRIDDHI/article/view/2582">https://smsjournals.com/index.php/SAMRIDDHI/article/view/2582</a></li> <li>4. Mini Rajeev, Divya Sajeesh, “Harmonic Compensation by transformer less Grid tied PV inverter using Conservative Power Theory”, 5<sup>th</sup> International Conference for Convergence in Technology , 29<sup>th</sup> -31<sup>st</sup> March, 2019</li> <li>5. Poornima Rao, Divya Sajeesh, “Power Generation using Solar Roof Top Sytem: A Case study”, International Conference on Advancement in Engineering Applied Science and Management, Mumbai, 10 October 2017</li> <li>6. Felix Keettikkal, Divya Sajeesh, Poornima Rao, Shashank Hande, Ganesh Dakave Tushar Kute, Akshay Mahajan, R.D.Kulkarni “Generation of Heat on Fuel rod by using Induction Heating”, International Conference on Nascent Technologies in Engineering field, Mumbai, 9-10 January 2017, <a href="https://doi.org/10.1109/ICNTE.2017.7947943">DOI: 10.1109/ICNTE.2017.7947943</a></li> <li>7. Ramkumar Maurya, Divya Sajeesh, Poornima Rao, “Utility System Unbalance in Single phase electric Traction-A Review” International conference on Global Technology Initiatives, Mumbai, 29-30 March 2016</li> <li>8. Arpit Bohra, Divya Sajeesh &amp; Michael.S, “Modulation Techniques in Single Phase PWM Rectifier”, International conference on Advances in science and Technology, Mumbai, 8-9 Dec 2015</li> <li>9. Divya Sajeesh, Sincy George, “Power Factor Improvement in Rectifier Circuit –A Simulation study”, IEEE international conference on Magnetics, Machines &amp; Drives, Kerala, 24-26 July 2014, <a href="https://doi.org/10.1109/AICERA.2014.6908237">DOI: 10.1109/AICERA.2014.6908237</a></li> </ol>
<b>17.</b>	<b>Invited Lectures in FDP/ STTP:</b> Conducted a lab session on “Simulation tutorials on PWM rectifiers” for STTP on Software Tools for Engineering Researchers’ organized by electrical Department of FCRIT, Vashi