

BIO-DATA



Recent Photograph

1.	Name	Rashmi Kale				
2.	Designation	Assistant Professor				
3.	Residential Address	406/Waldorf CHS, Hiranandani Estate, Thane (W)				
4.	Date of birth	18/01/1979				
5.	Total Experience	24				
i.	Teaching	21				
ii.	Industrial	03				
6.	Qualifications					
	Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI	
	M.E.	2013	FCRIT, Vashi Mumbai University	Power Electronics and Drives	86%	
Additional Qualification:						
7.	Employment Record					
	Institution	Year (From To)		Designation		
	FCRIT, Vashi	2007 till date		Assistant Professor		
8.	Undergraduate / Postgraduate Teaching Experience and Subjects Taught					
	Subjects Taught at UG level					
	Sr.No.	Name of Subject				Semester
	1	Electric and Hybrid Electric Vehicle Technology				VIII
	2	Analysis and Design of Power Switching Converters				VII
	3	Protection. and switchgear Engineering				VI
	4	Electromagnetic fields and waves				V
	5	Electric and Hybrid Electric Vehicles				IV
	6	Industrial Economics				IV
	7	Electronic Instruments and Instrumentation				IV
	8	Basic Electronics				III
	9	C Programming				II
	10	Basic Electrical Engineering				I
	Subjects Taught at PG level					
	Sr.No.	Name of Subject				Semester
	1	Electric and Hybrid Vehicle Technology				ME Sem I
9.	Research Experience					
10.	Research Funding / Consultancy Services:					
	Sr.No.	Name of the Company	Address	Product	Consulting Service	Consulting Fees
	Research Grants:					
	Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project
	1	Mumbai University	Minor	28,000	2016	Bidirectional Charge Controller for Battery and Ultra-capacitor Based

					System in Electric Vehicle.
Technical Collaboration / Lab Funding with Industries					
	Sr.No.	Name of the Funding Organization	Type of Support	Amount (Rs.)	Year
11.	Professional Societies Fellowship / Membership ISTE and IEI membership				
12.	Achievements / Awards / Position 1. Best Paper Award-Implementation of Multiple Input and Multiple Output Boost Converter for Electric Vehicle. 2. Organized STTP on “Electric and Hybrid Electric Vehicle Technology”				
13.	Projects guided in UG/PG level Area-Power Electronics				
14.	Short Term Training Programmes attended 1. Mission 10X- Teaching techniques by Wipro at Fr.C.Rodrigues College of Engineering, Bandra in 2009. 2. Basics of PLC in Siemens,Airoli in 2010. 3. Power Electronics and its Applications in Fr.C.Rodrigues Institute of Technology in 2012. 4. Analog Circuits in Texas Instruments,Banglore in 2012. 5. Electromagnetic Fields and its Applications in Fr.C.Rodrigues Institute of Technology in FH2014. 6. Structured Programming Algorithm in Fr.C.Rodrigues Institute of Technology in SH2014. 7. Electromagnetic Fields and its Applications in Fr.C.Rodrigues Institute of Technology in SH2016. 8. Reliability in Electrical and Electronics Systems in Fr.C.Rodrigues Institute of Technology in SH2017. 9. Innovative Teaching Learning Practices to Achieve Outcome Based Education and Accreditation at Sardar Patel Institute of Technology,Andheri in FH18. 10. Teaching Pedagogies for Engineering Education at Fr.C.Rodrigues Institute of Technology in SH2019. 11. NPTEL online certification course on Accreditation and Outcome based learning in Aug-October 2019,8 week course. 12. Outcome Based Education:A Step Towards Excellence from 11-15 May 2020. 13. Opportunities and Challenges in Electronics and Allied Industries in India Post Covid 19-20-30 th May,2020. 14. 1.One-week online STTP on "DSP, Arduino, and C/Python" organised by the Department of Electrical Engineering, FCRIT, Vashi from 10-14 May,2021 15. ATAL Academy Online FDP on “Innovative Techniques on Teaching Pedagogy and Impactful Research” organised by National Institute of Technology, Hamirpur, Himachal Pradesh, 27-31 May, 2021 16. ATAL Academy Online FDP on “Electric Vehicle Technology- Challenges and Business Opportunity” organised by National Small Industries Corporation, 21-25 June, 2021 17. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Power Electronic Systems and its Real Time Control Implementation in DSP" from 08/11/2021 to 12/11/2021 at Fr. C.Rodrigues Institute of Technology. 18. AICTE approved FDP on “Trend and challenges in the Development of Electric Vehicle and Hybrid Electric Vehicles” from 26/09/23 to 30/09/23 at Lendi Institute of Engineering and Technology 19. ISTE approved short term training program on “Power Electronics and Drives”from 31/10/22 to 05/11/22 at Fr. C.Rodrigues Institute of Technology.				

	<p>20. FDP on “Integrated Autodesk Fusion in Engineering Subjects” held from 26/06/23 to 01/07/24 organized by Department of Mechanical Engineering ,Lendi Institute of Engineering and Technology, Vizianagaram, Andhra Pradesh</p> <p>21. FDP on “Research Proposal and Academic Writing” organised by IQAC and Research Cell of Deviprasad Goenka Management College of media Studies on 03/07/23 to 08/07/23.</p> <p>22. Online faculty development program on “Data Science in Healthcare Staffing Industry” organized by the Department of Information Technology Engineering at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai during 01st and 02nd December, 2023</p>
<p>15.</p>	<p>List of Journal Papers Published</p> <p>Ruchi Harchandani and Rashmi Kale , "Selection of Effective Mitigation Method for Inrush Current in Power Transformer," International Journal of Advanced Technology ,2014.</p>
<p>16.</p>	<p>List of Papers Published in National and International Conferences</p> <ol style="list-style-type: none"> 1. Suvarna Rode, Rashmi Kale, Devoushka Yadav , Dhananjay Pawar, Jatin satyam, Nishant shelar Development Of Solar Powered Electric Vehicle Prototype” 7th International Conference On Production And Industrial Engineering(Cpie-2023) Dr B R Ambedkar National Institute Of Technology Jalandhar-144027, India 2. Mahendra Rane,ashmi Kale,Abhishek Shiwalkar,“Stability Analysis of Quadratic Boost Converter with Different Controllers” ICNTE 2023 20-21th Jan 2023 3. Jitesh Shastri, Dipesh Narkar, Mandar Sase, Rashmi Kale, "Implementation of Solar Based Irrigation System for Conditions like Pandemic”, ICNTE 2021 15-16th Jan 2021. 4. Sukanya Khapne , Nishil Lathia, Krunal Parab, Amruta Phadale and Rashmi Kale, "Design and Modeling of Pandemic Featured Smart LED System”, ICNTE 2021 15-16th Jan 2021. 5. Harshada Bhosale, Rashmi Kale, Ruchi Harchandani, ” Significant Role, Design and Stability Analysis of Flyback Converter for Renewable Energy Source” Fr.C.Rodrigues College of Engineering ,Bandra-International Conference on Advances in Computing, Communication and Control (ICAC3), 20-21 Dec. 2019. 6. Mohit Patil, Sharun Shibi, Pranav Kulkarni, Mohit Patle, Rashmi Kale, "Review On Online Montoiring of Electrical Machine Using IoT"3rd Biennial International Conference on Nascent Technologies in Engineering, ICNTE-2019,January4-5,2019. 7. Mohit Patil, Sharun Shibi, Pranav Kulkarni, Mohit Patle, Rashmi Kale "Implementation of Microcontroller Based Weather Monitoring system" National Conference on Wave Mechanics and Vibrations-2018, November26-28,2018. 8. Rashmi Kale "Effective Two Input Two Output Plugin Charging Method for Hybrid Vehicle Technology” FEAST 2018 International Conference on Frontiers in Engineering, Applied Sciences and Technology, NIT Trichy, April 27th- 28th , 2018. 9. Chaitanya Wadke and Rashmi Kale, "Electric Vehicle Multiple Input Bidirectional Charge Controller System,"4th International Conference on Innovations and Research in Technology and Engineering PVPPCOE, October 26-27,2017. 10. Ashish Nilegekar and Rashmi Kale, "Implementation of Multiple Input and Multiple Output Boost Converter for Electric Vehicle,"2nd Biennial International Conference on Nascent Technologies in Engineering, ICNTE-2017, January28,2017. DOI: 10.1109/ICNTE.2017.7947940 11. Ashish Nilegekar and Rashmi Kale "Design and Development of Electric Vehicle Battery Charging using MIMO Boost Converter, "IEEE Sponsored 3rd International Conference on Innovations in Information, Embedded and Communication SystemsICIIECS16,March17-18,2016,Pg.177-182. DOI: 10.1109/GET.2016.7916805 12. Akshay Gadi, Ranjit Devcker and Rashmi Kale" Optimization In Switch Utilization For Solar Based Water Sprinkler And Moisture Sensor - A Case Study Sprinkler And Moisture Sensor - A Case Study, "Second International Conference on Contours of Digital Technology at Baba Saheb Gawade Institute of Technology, October 11,2015,Pg.21-26. 13. Ashish Nilegekar and Rashmi Kale "Selection and Design of DC-DC Converter for Solar Based Battery Charging of Electric Vehicle, "Second International Conference on Contours of Digital Technology at Baba Saheb Gawade Institute of Technology, October 11,2015,Pg.53-58. 14. Rashmi Kale "Solar Coupled Switched Mode Power Supply, "International Journal Of Engineering Research and Technology (IJERT) ICNTE-2015 Conference Proceedings 9-10 Jan 2015.

	<p>15. Rashmi Kale, Sushil Thale and Vivek Agrawal "Design and Implementation of a Solar PV Panel Integrated Inverter with Multi Mode Operation Capability," 39th IEEE Photo Voltaic Specialist Conference, Tampa, Florida, June 20, 2013 DOI: 10.1109/PVSC.2013.6745085</p> <p>16. M. Rane and Rashmi Kale, "Fractional Frequency Transmission system," International conference at Indore 2011 14-15th May 2011.</p> <p>17. Rashmi Kale and Bindu S. "Effect of local compensation on p.f. and voltage regulation using energy storage element-A case study," International conference on Energy optimization and control (ICEOC 2010), Aurangabad., Dec 29, 2010.</p> <p>18. Rashmi Kale and Bindu S. "Effect of local compensation on voltage regulation using energy storage element: A case study," National conference on Power system today-2010 organised by Andhra University, Vishakhapatnam 29-30th June 2010.</p> <p>19. Rashmi Kale and Dr. Bindu S., "Effect of Local compensation using Energy storage element: A case study," Recent Trends on engineering Technology, Zenith-09, Agnel Polytechnic, Vashi. 30-31st October 2009.</p> <p>20. Bindu S., Mini N. and Rashmi Kale, "A method to improve the Reliability of Energy Storage Element in reactive power compensation", INDICON-2007, Bangalore-(Nat)</p> <p>21. Seema Jadhav and Rashmi Kale "Ocean Thermal Energy conservation," Souvenir on National Seminar on Alternative Energy sources at VPM'S Polytechnic, Thane pp 69-73(2005-06)</p>
17.	Books/Reports/General articles etc.
18.	<p>Invited Lectures in FDP/ STTP</p> <ol style="list-style-type: none"> 1. 'Tractive Forces in Transportation Engineering in STTP on Electric and Hybrid Electric Vehicle Technology' on Electric Vehicle Technology organized by the Department of Electrical Engineering, Agnel Charities' Fr. C. Rodrigues Institute of Technology from 18th June to 26th June 2018. 2. 'DSP Programming and Implementation: Basics' in Short Term Training Programme on Power Electronics and Drives organized by the Department of Electrical Engineering, Agnel Charities' Fr. C. Rodrigues Institute of Technology from 31st October to 5th November 2022.
19.	<p>International Conference Technical Program Committee Member / Reviewer</p> <p>Reviewer of IEEE sponsored Biennial International Conference on Nascent Technologies in Engineering ICNTE 2021 15-16th Jan 2021</p> <p>Reviewer of IEEE sponsored Biennial International Conference on Nascent Technologies in Engineering ICNTE 2021 20-21th Jan 2023</p>
20.	Patents