

	Name	Prof. Smt. Rupalee Shrinivas Ambekar
	Designation	Assistant Professor

Research				
Publications	International Journal (s):	30	National Journals (s) :	01
	International Conference (s):	07	National Conference:	01
Publication Details	<ol style="list-style-type: none"> 1. “Design and Development of High Torque, Compact and Energy Saver PMSM Motor for Hydraulic Applications”, International Journal of Electrical and Computer Engineering Systems, 399-407, July 2022 2. Comprehensive Design and Study on Cogging Torque Reduction in Permanent Magnet Synchronous Motors for Electric Vehicle Technology, ARAI Journal of Mobility Technology, May-August 2022 3. Rupalee Ambekar and Shrinivas Ambekar, “Design investigation for continual torque operative performance of PMSM for vehicle”, <i>Sādhanā (2020) 45:120 _ Indian Academy of Sciences</i>. 4. Avdhoot Sunil Kulkarni, Prof. R. S. Ambekar,” Power Generation from Water in pipeline though Hydro Generator”, IETE Journal of Research – October 2021 5. Pranav Kadam, Prof. R. S. Ambekar,” Hybrid Power Generation Through Combined Solar-Wind Power System”, IETE Journal of Research – October 2021 6. Avdhoot Sunil Kulkarni, Prof. R. S. Ambekar,” Power Generation from Water in pipeline though Hydro Generator”, The International journal of analytical and experimental modal analysis – May 2021 7. Pranav Kadam, Prof. R. S. Ambekar,” Hybrid Power Generation Through Combined Solar-Wind Power System”, The International journal of analytical and experimental modal analysis – May 2021 8. Abhijeet Patne, Rupalee Ambekar, “Operation and maintenance tool of wind turbines: Condition Monitoring Techniques”, International Journal of Emerging Technologies and Innovative Research - March 2019 9. Chetan Chavan, Rupalee Ambekar, “ Design of PMSM for EVs with its Mechanical Aspects”, RESEARCH REVIEW International Journal of Multidisciplinary- June 2019 10. Swapnali Janrao, Rupalee Ambekar, “Fault Diagnosis of an Induction Motor Using Motor Current Signature Analysis”, International Journal of Applied Engineering Research – June 2018 11. Komal B. Patil, Rupalee Ambekar, “Analysis of Grid connected Solar Farm in ETAP Software”, International Journal of Science, Research Science in Engineering and Technology (IJSRSET) – June 2017 12. Kiran Pokale, Rupalee Ambekar, “Evaluation of Voltage Stability on IEEE 14 bus distribution system with and without STATCOM”, International Journal of Science, Research Science in Engineering and Technology (IJSRSET) – May 2017 13. Snehal Dharme, Rupalee Ambekar, “Superconducting Fault Current Limiters for the Power System Applications”, International Journal of Engineering & Management Research- August 2015. 14. Rupalee Pawar, ”Comparison of SVC & STATCOM for Transient Stability Study of Two Machines,” Proceedings of the International Conference on Energy Optimization & Control-ICEOC-2010. 			

Patent Published	1 Copyright
Books Published	--

Qualification	M. E. (Electrical Power System), Ph. D (Pursuing)			
Email ID	rsambekar@bvucoep.edu.in			
Experience in Years	Teaching :	22	Industry :	NIL

Conference /WorkShop/ Seminar attended	<ol style="list-style-type: none"> 2 Week FDP on Product design & 1 Week FDP on AI & ML Expert for Freshman Induction Programme Jury for Smart India Hackathon 2025-09-23 Reviewer for Journal and Conference <i>Intellectual Property Rights: Protecting and Commercializing Inventions</i>, 10/02/ 2025 to 15/02/2025 <i>AICTE Training and Learning (ATAL) Academy Faculty Development Program at Bharati Vidyapeeth Deemed University College of Engineering</i> AI and Industry 4.0 in Foundries & Metal Industry, 20, 21 & 23 June 2025 NEP 2020 Orientation & Sensitization Programme, 8/01/ 2024 to 17/01/2024 Development of MOOCs, Six Days Online Faculty Development Programme, Internal Quality Assurance Cell (IQAC) and Centre for Distance and Online Education (CDOE), 17/01/ 2022 to 22/01/2022 30 days Internship on Electric Vehicle design Workshops: Pantech E Learning Pvt. Ltd. Chennai, 2/2/2022 to 3/3/2022. Multi-physics Analysis of Electrical Machine Using ANSYS Software and PLECS Simulation Tool for Power Electronics Applications, Department of Electrical Engineering, NIT Srinagar and sponsored by DST-SERB-CRG research project (under Scientific Social Responsibility grant), 25/10/2021 to 29/10/2021 <i>Design Challenges on Motors & Controllers, for EV Applications</i>, Department of Electrical and Electronics Engineering, St. Joseph's Institute of Technology, 28/2/2022 to 5/03/2022.
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Projects/Achievements	<ol style="list-style-type: none"> 1. Received seed money of Rs.1, 50,000/- for minor research project. 2. NPTEL online certification Course of Electrical vehicles Part-I for Feb-March 2019. 3. NPTEL online certification Course of Electrical Machines for Feb-March 2019. 4. Selection for Ph. D. under QIP at College of Engineering, Pune
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