


BIO-DATA

					
1.	Name	HARSHADA CHANDRAKANT BHOSALE			
2.	Designation	Asstt. Prof. (Electrical Department)			
3.	Residential Address	A/401, Dhruvtara CHS Ltd., Plot No.- 18 , Sector – 20, Airoli , Navi Mumbai – 400708.			
4.	Date of birth	27/11/1980			
5.	Total Experience				
i.	Teaching	2 years Diploma , 14 years degree in FCRIIT			
ii.	Industrial	6 months in Absoterm Services Pvt. Ltd. As Trainee Engineer.			
6.	Qualifications				
	Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI
	1) M.E. (Power Electronics and Drives)	2015	Mumbai University	Electrical Engineering / (Power Electronics and Drives)	9.68 CGPI
	2) B.E. (Electrical Engineering)	2002	Mumbai University	Electrical Engineering	60.14%
Additional Qualification:					
7.	Employment Record				
	Institution	Year (From To)		Designation	
	Navjeevan Polytechnic, Bhandup.	December 2002 to May 2003 and June 2004 to May 2005.		Lecturer	
	Absoterm Services Pvt.Ltd., Thane.	June 2003 to December 2003		Trainee Engineer in Projects division	
	K.J. Somaiya Polytechnic, Mumbai .	December 2006 to June 2007		Lecturer	
	Fr. C. Rodrigues Institute of Technology, Vashi	July 2007 to till date		Assistant. Prof.	
8.	Undergraduate / Postgraduate Teaching Experience and Subjects Taught				
	Subjects Taught at UG level				
	Sr.No.	Name of Subject			Semester
	1.	Electrical Measurements and Measuring Instruments,			III (old & Rev CBSGS)

	Electrical Instruments and Instrumentation Electrical Machines –I, Electrical Machines –II Electromagnetic Fields and Waves Project Management Elements of Power System Power System - I Electrical Networks Control System – I Analog Electronics Energy Storage (DOC2)	IV (old & Rev CBSGS) V (old & Rev CBSGS) V (Rev CBSGS) V (Rev CBSGS) VI (Old & Rev CBSGS) IV (CBSGS) IV (CBCGS) III (CBSGS) V (CBCGS) III (R-19) VI (R-19)				
Subjects Taught at PG level						
Sr.No.	Name of Subject	Semester				
	-					
9.	Research Experience					
10.	Research Funding / Consultancy Services:					
Sr.No.	Name of the Company	Address	Product	Consulting Service	Consulting Fees	Period
	-					
Research Grants:						
Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project	
	-					
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 lifetime member					
12.	Achievements / Position: 1) Certified Yoga Teacher from “The Yoga Institute”, Santacruz, June 2005. 2) EESA (Electrical Engineering Students Association) Convener from 2015-16 till date. 4) Alumni coordinator of Electrical Department since 2015-16. 5) Arranged STTP on “Teaching Pedagogies for Engineering Education”, in Electrical Dept., Fr. C. Rodrigues Institute of Technology, Vashi, June 24th to 28th , 2019.					
13.	Projects guided in UG/PG level: Projects guided at undergraduate level: - 1) Simulation of 42 stages solid state Marx generator. 2) Design and Modeling of Solid state Marx generator with Anti-parallel capacitor configuration using Arduino. 3) Head Motion controlled Electric wheelchair using PIC Micro-controller. 4) Wireless Charging of Electric Vehicle Using Resonant Inductive Coupling. 5) Design and Simulation of Active Shunt Filter for Induction Motor Drives. 6) Design and Development of Harmonic Shunt Active Filter using SPWM Current Control Technique 7) Simulation and Modelling of Modified Cascaded H Bridge Multilevel Inverter with Reduced Number of Switches. 8) Solar Roof Top Panel sizing for Residential Purpose					
14.	Short Term Training Programmes attended: 1) One week STTP on “New Generation Project Management for Engineers” Don Bosco Inst. of Tech., Kurla (W)					

	<p>2) Two weeks' workshop on "PLC Programming and Application", Chunabhatti</p> <p>3) ISTE approved STTP on "Workshop on Advanced Control System" (one week) in Fr. C. Rodrigues Institute of Technology, Vashi.</p> <p>4) STTP of five days on 'Microgrid, Smart grid and Futuristic Energy Paradigms', Fr. C. Rodrigues Institute of Technology, Vashi in June 2016.</p> <p>5) ISTE one week STTP on "Internet of Things", A.C.Patil college of Engg., Kharghar, Dec. 2017.</p> <p>6) AICTE-ISTE Induction/Refresher Programme on "Innovative Teaching Learning practices to achieve Outcome Based Education and Accreditation." Sardar Patel Institute of Technology, Andher(W), Mumbai, May 3rd to 9th 2018</p> <p>7) AICTE-ISTE approved One week STTP on "Electric and Hybrid Electric Vehicle Technology", Fr. C. Rodrigues Institute of Technology, Vashi, June 18th to 23rd, 2018.</p> <p>8) AICTE-ISTE approved One week STTP on "Teaching Pedagogies for Engineering Education", Fr. C. Rodrigues Institute of Technology, Vashi, June 24th to 28th, 2019.</p> <p>9) Online Faculty Development Program on "Research, Funding Projects & IPR " jointly organized by IQAC, R & D Cell & Dept. of Electronics & Telecommunication, K. C. College of Engineering and Management Studies and Research, 7 th - 10 th May 2020</p> <p>10) Online Short Term Training Program on "MATLAB based Teaching-Learning in Mathematics, Science & Engineering", Department of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with Design Tech Systems Pvt. Ltd., Mumbai, 18th to 22nd May 2020.</p> <p>11) TEQIP-III Sponsored Online Five-Day Faculty Development Program on Recent Trends in Power Electronics – Research Scope and Challenges, Department of Electrical and Electronics Engineering, NIT, Karnataka, Surathkal, from 23rd to 27th September, 2020.</p> <p>12) ISTE approved one week online STTP on "DSP, Arduino, and C/Python" organized by the Department of Electrical Engineering, FCRIT, Vashi from 10th May to 14th May 2021.</p> <p>13) Faculty Development Program on "Power and Energy Systems: Technical Progressions and Research Opportunities", funded by NewGen IEDC, DST, Govt. of India organized by Dept. of Electrical & Electronics Engineering, BNMIT Bengaluru, 19th to 24th July 2021.</p> <p>14) FDP on "Induction Training Programme (Basic & Advanced Pedagogy) (2 Weeks)" course code - FDP-53 scheduled during 23-08-2021 to 03-09-2021 at NITTTR Chennai</p>
<p>15.</p>	<p>List of Journal Papers Published (list in IEEE format):</p> <p>1) Harshada C. Bhosale , "Review of Control Techniques of Three Phase Boost type PWM Rectifiers", International Journal of Science and Research (IJSR), ISSN: 2319- 7064. Volume 5, Issue 12, December 2016.</p>
<p>16.</p>	<p>List of Papers Published in National and International Conferences (list in IEEE format)</p> <p>1) Bindu R., Poornima R., Harshada C., Vipin Sawant, "Protection of Induction Motor using PLC", NEEC-2011, Delhi Inst.of Tech.,Dec. 2011.</p> <p>2) Harshada Bhosale, Bindu R, "Review of DTC Scheme with Component minimized VSI emulating the operation of Six Switch Three Phase Inverter", National level Conference on Technologies for Developing Nations, LTCOE, OCT. 2013.</p> <p>3) Harshada B, Bindu S., Dr. Sincy G., P.C.Saroj, Archana S., "Design and Simulation of 50 kV, 50 A solid state Marx Generator", International Conference on Magnetics, Machines and Drives (AICERA-2014), July 2014.</p> <p>4) Harshada C. B., Pranav R, Pranali M.,Pooja J., Apurva B., Amol K., "Solid State Marx Generator with Anti-parallel capacitor configuration using Arduino", International Conference on Automation control and Dynamic Optimization Techniques (ICACDOT 2016), I2IT, Pune, Sept. 2016.</p> <p>5) Harshada C. B., Dr.Bindu S., Dr.Sincy G., Meera S.,P.C.Saroj, "Performance Analysis of Solid State Marx Generator – A comparative study of Self-driven Gate driver circuit</p>

	<p>with Conventional driver”, IEEE International Conference On Recent Trends In Electronics Information Communication Technology, RTEICT-2017, May 2017.</p> <p>6) Maitreya Vaze , Saikiran Chari, Abhishek Bist , Akshay Tawade, Harshada Bhosale,” Head Motion Controlled Electric Wheelchair using PIC Microcontroller”, 4th International conference on Science, Technology & Management (ICSTM-2017), Nov 2017.</p> <p>7) Prathamesh M., Moncy B., Abhilash R., Vibhu G., Harshada C. B., "Design and Simulation of Active Shunt Filter for Induction Motor Drives."2nd International Conference on Frontiers in Engineering,Applied Sciences and Technology (FEAST 2018), April 27-28,2018.</p> <p>8) Chinmay Gadre, Yash Raul, Ankit Shingne, Harshada C.B. “Design and Development of a Simulation Model of Harmonic Shunt Active Filter using SPWM Current Control Technique,” IEEE International Conference On Recent Trends in Electronics Information Communication Technology, RTEICT-2019, May 2019.</p> <p>9) Harshada C. B., Rashmi K, Ruchi H., “Significant Role, Design and Stability Analysis of Flyback Converter in Demand-side Management of Distributed Power”,IEEE International Conference on Advances in Computing, Communication and Control (ICAC3 19), December 20 - 21, 2019</p>
17.	<p>International Conference Technical Program Committee Member / Reviewer: -</p> <ol style="list-style-type: none"> 1. Reviewed paper for International Conference on Nascent Technologies, (ICNTE 2019) in association with IEEE on January 9-10, 2019 2. Reviewed paper for International Conference on Nascent Technologies, (ICNTE 2021) in association with IEEE on January 15-16, 2021
18.	Patents : -