

PROFILE

Mr. Badrinarayan B. Pimple

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PROFESSIONAL QUALIFICATION

Sr. No.	Degree	Program/Specialisation	University	Year of Passing
1.	Bachelor of Engg.	Electrical Engineering	Amravati	1996
2.	Master of Technology	Integrated Power System	VRCE, Nagpur	1998
3.	Doctor of Philosophy	Power Electronics and Drives	IIT Bombay, Mumbai	2016

EXPERIENCE

Sr. No.	Organisation	Designation	Year of Induction
1.	Sardar Patel College of Engineering Andheri (West), Mumbai	Associate Professor	March 2006 – Till date
2.	Sardar Patel College of Engineering Andheri (West), Mumbai	Assistant Professor	Mar. 2003 – Mar. 2006
3.	Sardar Patel College of Engineering Andheri (West), Mumbai	Lecturer	July 1998 – March 2003

PROFESSIONAL MEMBERSHIP

Sr. No.	Name of professional society	Membership ID
1 .	Indian Society for Nondestructive Testing	LM-6002
2.	The Indian Society for Technical Education	LM-32956

PAPERS PUBLISHED

International Journal

Sr. No.	Authors	Title of paper	Publisher	Year
1.	BB Pimple, VY Vekhande, BG Fernandes,	Compensation of negative sequence stator flux of doubly-fed induction generator using polar voltage control-based direct torque control under unbalanced grid voltage condition	The Journal of Engineering.	2015
2.	Badrinarayan B Pimple, NNV Surendra Babu	Understanding rotor flux behaviour of a multi-megawatt DFIG in wind energy conversion	Inderscience Publishers (IEL)	2024
3.	Prathmesh Jadhav, Badrinarayan B. Pimple	Decoupled Power flow Management In TAB-IBDC Converter for HESS Application in EV System	Inderscience Publishers (IEL)	2024

International Conference

Sr. No.	Authors	Title of paper	Publisher	Year
1.	BB Pimple, VY Vekhande, BG Fernandes	New direct torque control of DFIG under balanced and unbalanced grid voltage	IEEE (TENCON)	2010
2	BB Pimple, VY Vekhande, BG	A new direct torque control of doubly fed induction generator for wind power	IEEE	2010

	Fernandes	generation	(IICPE)	
3.	BB Pimple, VY Vekhande, BG Fernandes	A new direct torque control of doubly-fed induction generator under unbalanced grid voltage	IEEE (APEC)	2011
4.	V Vekhande, BB Pimple, BG Fernandes	Modulation of Indirect Matrix Converter under unbalanced source voltage condition	IEEE (ECCE)	2011
5.	AU Gadekar, RJ Nagla, BB Pimple	Injection of reactive power into the grid by polar voltage control technique for wind power applications	IET	2015
6.	S Gudhe, BB Pimple	Improved torque response of induction motor drive using direct torque control technique applying Fuzzy Logic Control	IEEE (ICPEICES),	2016
7.	P Rao, V Siraswar, BB Pimple	Efficient implementation of MPPT and comparison of converter for variable load Solar PV system	IEEE ICECCT	2017
8.	P Kulkarni, U Surve, A Srivastava, BB Pimple	Improved Pulse-Width Modulation Technique for 11-level Series-Parallel Switched Hybrid Inverter	IEEE (PEDES)	2018
10.	A Hingmire, BB Pimple	Simulation and Analysis Studies of Speed Control of Brushless DC Motor Using Hall Sensors	IEEE (ICSEDPS)	2018
11.	Parag Karekar, C Shrutika, BB Pimple	Torque ripple minimization of bldc motor drive using dc link current control with low pass compensator	IEEE (PARC)	2020
12.	Parag Karekar, C Shrutika, S Shadab, BB Pimple, SR Wagh	Real-time simulation for torque ripple minimization of bldc motor using low pass compensator	IEEE (ICEM)	2020
13.	Jenson Joseph Attukadavil, Ravina Sawant, BB Pimple	A Novel Model Predictive Control Based MPPT Tracking Algorithm for Solar Power	Springer	2020

National Journals

Sr. No.	Authors	Title of paper	Publisher	Year
1.	NIL			

National Conference

Sr. No.	Authors	Title of paper	Publisher	Year
1.	NH Agarwal, BB Pimple	Solar photovoltaic array based brushless DC motor for fans in Indian railways using maximum power point tracking algorithm	NSC (National System Conference)	2015

WORKSHOP / COURSES ATTENDED

Sr. No.	Organizer	Title	Year
1.	National Productivity Cell	Right to information Act-2005 and Modern IT Practises.	2014
2.	SPCE-TEQIP-II and IIT Mumbai	MEMS- Design, Fabrication, and Characterisation	2016
3.	Engineering Staff college of India (ESCI), Hyderabad	Quality Initiatives in Technical and Higher Educational Institutions	2016
4.	Govt. Engineering, Amravati (AICTE Sponsored)	Recent Trends in Power System, operation, Control and Protection	2018
6	IIT Bombay	Practical Optimization	2020
7	Vishwakarma University, Pune	Understanding Rural India - Evolving strategies to engage with rural communities in Unnat Bharat Ahhiyan (UBA.)	2023

WORKSHOP / COURSES CONDUCTED:

Sr. No.	Organizer	Title	Year
1.	Electrical Department, SPCE	Green Energy: Challenges & Mitigation Strategies”	2023

ONLINE COURSES: NIL

Sr. No.	Organizer (AICTE/ Swayam / NPTEL / Coursera)	Title	Year
1.			

CONFERENCE ATTENDED:

Sr. No.	Organizer	Title	Year
1	IEEE	IEEE Bombay Section's Teachers Congress 2024 held in Goa from 30 August to 01 September 2024.	2024

CONFERENCE ORGANIZED:

Sr. No.	Organizer	Title	Year
1.	NIL		

EVENTS ORGANIZED

Sr. No.	Organizer	Title	Year
1.	Electrical Department, SPCE	“Poly Cab induction programme - Be The Ampions”	2022

		The activity is carried out under the MOU with Polycab	
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PROJECTS GUIDED

PG Level

Sr. No.	Title of project	Year	Status (Completed/ Ongoing)
1.	Multi-port DC-DC converter for interfacing PV to grid tied CHB converter	2019-2020	Completed
2.	Advanced DC Link Current Control Technique for BLDC Motor Drive with Torque Ripple Minimization	2019-2020	Completed
3.	Power sharing between Battery and UC for Electric Vehicles using Fuzzy logic	2020-21	Completed
4.	Fault Location Methods in Power Transmission Systems	2020-21	Completed
5.	Design & Analysis of Reflex Charging based DC Charger using Buck Converter	2021-22	Completed
6.	A study of hosting capacity of Renewable connected Grid with EV charging infrastructure	2024-25	Ongoing

Ph.D. Level

Sr. No.	Title of thesis	Year	Status (Completed/ Ongoing)
1.	Nil		

SUBJECTS TAUGHT

Sr. No.	Name of subject	UG/ PG
1.	Power Electronics applications in Power System	UG
2.	Basics of Electrical Drives	UG
3.	Advanced Control of f Electrical Drives	UG and PG
4.	Electrical Vehicle System Design	UG and PG
5.	Basics of Automotive Systems	UG

ACHIEVEMENT: Nil

Sr. No.	Type of achievement	Year
1.		

DEPARTMENTAL AND INSTITUTIONAL RESPONSIBILITIES

Sr. No.	Type of responsibility	Department / Institute	Year
1.	Involved in curriculum revision of Electrical Engineering	Electrical department	2021 to 2024
2.	Working as Academic Board Member of institute	SPCE	2021 to 2024
3.	Working in Building and works committee of the Electrical engineering department	Electrical department	2022 to 2024
4.	Working as Project Committee Member of Electrical Engineering Department	Electrical department	2022 to 2024

INDUSTRIAL TRAINING ATTENDED: NIL

Sr. No.	Organizer	Title	Year
1.			

INDUSTRIAL TRAINING ORGANIZED: NIL

Sr. No.	Organizer	Title	Year
1.			

EXPERT LECTURE CONDUCTED / ORGANIZED

Sr. No.	Organised/Conducted	Title	Year
1.	St. Francis Institute of Technology, Borivali, Mumbai	Control Techniques of three phase Inverter	17/12/2022
2.	WRLDC Mumbai	Grid interfacing converters, principles of operation and topologies	12/07/2024
3.	JSPM's B.S.Institute of Technology and Research, Pune	Overview, Architecture and Vehicular Mechanics	13/01/2025

FUNDED RESEARCH PROJECT: Nil

Sr. No.	Funding agency	Title	Sanctioned amount	Duration with dates	Status (Completed / ongoing)
1.					

REVIEWER: Nil

Sr. No.	Title of journal / conference	Year
1.	Nil	

CONSULTANCY / TESTING / THIRD PARTY AUDIT

Sr. No.	Organizer	Type of consultancy	Year
1.	Deputy Engineer(Elect.) Maharashtra Film, stage and cultural, Development, Corporation, Ltd. Dadasaheb Phalke Chitranagari, Goregaon(E), Mumbai-65	Faculty Involved: Dr. B. B. Pimple Prof. N. G. Bhitre Amount: Rs. 90,000/- Nature: Third Party Inspection of Work “SITC of 1000 KVA substation at link road” at Filmcity	2017
2.	Executive Engineer, Bhiwandi-Nizampur, Municipal Corporation, Bhiwandi	Faculty Involved: Dr. B. B. Pimple Prof. N. G. Bhitre Amount: Rs.100,000/- Nature of Work: Third party Audit of Installation and commissioning of 100 kW Solar Panel in Bhiwandi Nizampur City Corporation (BNCC	2021
3.	Executive Engineer, Vasai-Virar Municipal Corporation, Vasai	Faculty Involved: Dr. B. B. Pimple Prof. N. G. Bhitre Amount: Rs. 4,93,184/- Nature of Work:	2024

		Third Party Audit of “Installation of street light poles and electrification work at Vasai Virar City Municipal Corporation Area.	
4	Executive Engineer, Vasai-Virar Municipal Corporation, Vasai	Faculty Involved: Dr. B. B. Pimple Prof. N. G. Bhitre Amount: Rs. 1,55,845/- Nature of Work: Third Party Audit of “Installation of street light poles and electrification work at Vasai Virar City Municipal Corporation Area.	2025