

PROFILE

Dr. ANUPA SABNIS

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PROFESSIONAL QUALIFICATION

Sr. No.	Degree	Program/Specialisation	University	Year of Passing
1.	B.E.	Electrical	Mumbai	1991
2.	M.E.	Electronics	Mumbai	2004
3.	Ph.D.		IIT Bombay	2016

EXPERIENCE

Sr. No.	Organisation	Duration
1.	Shah and Anchor Kutchhi college of Engg Mumbai	Six Month
2.	Thadomal Shahani Engg College Mumbai	13 years
3.	Sardar Patel College of Engg Mumbai	16.5 years

PROFESSIONAL MEMBERSHIP

Sr. No.	Name of professional society	Membership ID
1.	ISTE	LM23590
2.	IETE	F146514

PAPERS PUBLISHED

International Journal

Sr. No.	Authors	Title of paper	Publisher	Year
1.	Anupa Sabnis ; Arunkumar G. K. ; Vikranth Dwaracherla ; Leena Vachhani	Probabilistic Approach for Visual Homing of a Mobile Robot in the Presence of Dynamic Obstacles	IEEE Transactions on Industrial Electronics (Volume: 63 , Issue: 9 Journal	2016
2.	Arunkumar G. K. Anupa Sabnis Leena Vachhani	Robust Steering Control for Autonomous Homing and its Application in Visual Homing under practical conditions	Journal of Intelligent and Robotic Systems, Springer	2018

International Conference

Sr. No.	Authors	Title of paper	Publisher	Year
1.	Anupa Sabnis Leena Vachhani	Method of Capturing full 360 degree view using Panoramic Imaging Systems	Patent filed IPA No.:1867/MUM/2012	2012
2.	Anupa Sabnis ; Leena Vachhani	Single image based depth estimation for robotic applications	IEEE Recent Advances in Intelligent Computational Systems	2011
3	Leena Vachhani ; Anupa Sabnis	Simple and robust correlation based visual compass using omnidirectional view	IEEE TENCON	2011
4	Anupa Sabnis ; Leena Vachhani	A multiple camera based visual compass for a mobile robot in dynamic environment	IEEE International Conference on Control	2013

			Applications 5(CCA)	
5	Anupa Sabnis ; Leena Vachhani ; Nee raj Bankey	Lyapunov based steering control for visual homing of a mobile robot	22nd Mediterranean Conference on Control and Automation	2014
6	Prajakta Joshi ; Himanshu J. Bahirat ; Anupa Sabnis	Design and parametric study of active-type resonance HVDC circuit breaker	7th International Conference on Power Systems (ICPS)	2017
7	Prathmesh J. Koratkar ; Anupa Sabnis	Comparative analysis of different control approaches of direct torque control induction motor drive	Prathmesh J. Koratkar ; Anupa Sabnis	2017
8	Amol V. Daware ; Anupa Sabnis	Performance Measurement of Linear and Non Linear Controllers for Buck-Boost Converter in Solar Energy System	International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC)	2018
9	Sagar Indalkar Anupa Sabnis	Comparison of AC-DC Converter topologies used for battery charging in Electric Vehicle	International conference on iIntelligent Computing, Instrumentation and Control Technologies (ICICT0	2017
10	Omkar Shinde Anupa Sabnis	Comparison of Maximum Power Plant Tracking Techniques used for Solar Photo voltaic Cell	International conference on iIntelligent Computing, Instrumentation and Control Technologies (ICICT0	2017

11	Sagar Indalkar Anupa Sabnis	As OFF board Electric Vehicle charger based on ZVS Interleaved AC-DC Boost 12PFC converter	8th International Conference on Power Systems (ICPS)	2019
12	Aamer Shaikh Anupa Sabnis R. D. Kulkarni	Silicon Carbide (SiC) Based Constant DC Current Source for DC Current Transformer Calibration	International Conference for Emerging Technology (INCET 2020)	2020
13	Swapnil Sawashe Anupa Sabnis r. D. Kulkarni	Design Considerations and Simulations of Parallel Operation of Six Pulse Converter using Interphase Transformer	International Conference for Emerging Technology (INCET 2020)	2020

National Journals: NIL

Sr. No.	Authors	Title of paper	Publisher	Year

National Conference

Sr. No.	Authors	Title of paper	Publisher	Year
1.	Anupa Sabnis Vishakha Kelkar	Low Bit Rate Scheme for Data hiding	MERG 07 D. J. Sanghavi College of Engg	2007

WORKSHOP / COURSES ATTENDED

Sr. No.	Organizer	Title	Year
1.	IITB	Electromagnetic Fields and Waves: Theory and Applications at IIT Bombay	2019
2.	SPCE	Faculty and Staff Development for improved	March

		competency and Institutional Management Capacity Enhancement	2017
3	NPIU at COEP	Faculty Induction Program	27 Nov-2 Dec2017
4.	SPCE	Product Design Validation Using Finite Element Analysis	24-28 June 2013
5	IITB	Wavelets	July31-Aug \$,2013
6	SPCE TEQIP	Beginners Guide to Python	April2018
7	IITB	Advances in Control Systems	Dec 19-23, 2013
8	ISB	Building Excellence in Professional Higher Education Institutions	Jan19-21, 2014
9	YASHADA	Training Program on Best Practices in Outcome Based Curricula Design and Pedagogy Alignment	Feb09-13, 2015
10	ELDIT	National Workshop on NIRF	2015
11	MIT Aurangabad	Modelling and Simulation	June 27,-July 22016-
12	CPRI	Recent Developments in Power Transmission and Protection	Sept 2014
13	VJTI	Electromagnetic Waves and Applications	Feb 2009
14	COREEI and XILINK	DSP design flow	2011
15	TSEC	VLSI design with VHDL	2002
16	TSEC	Optical Fibres in Communication	2003
17	TSEC	VLSI technology Design andApplications	2003
18	TSEC	Recent Trends in Wireless Communication	2002
19	TSEC	Communication Systems	June 28-July 9,2004
20	TSEC	Image Processing	2004
21	SPIT	Electromagnetic Waves and Applications	2009

22	RAIT	DSP and its applications	2006
23	MS University Baroda	Fuzzy Controller	1998
24	IITB	Applications of Signal Processing in Networking	2004
25	IITB	DSP	1998
25	IDEMI	ISO1705:2005	2006
27	Flagship	Workplace Motivation	2013
28	Fr. Agnel Vashi	MATLAB ETAP and their Applications	2008
29	Fr. Agnel Bandra	Pattern Recognition	2004
31	COEP	Advanced DSP	2004
32	ISTE/SBM	Advanced programme on Electronics	1997

WORKSHOP / COURSES CONDUCTED

Sr. No.	Organizer	Title	Year
1.	SPCE	DSP and its Applications	2005
2.	SPCE	Journey of Machines from materials to applications	2009
3	SPCE	Introduction to LATEX	April 2017
4	SPCE	Basics of MATLAB and Simulink	2017
5	SPCE	Microprocessors and Its Applications (Resource Person)	2014

ONLINE COURSES

Sr. No.	Organizer (AICTE/ Swayam / NPTEL / Coursera)	Title	Year
1.	NPTEL	Advanced Linear Continuous Control Systems: Applications with MATLAB	July-Sept2019

		programming and Simulink	
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CONFERENCE ATTENDED

Sr. No.	Organizer	Title	Year
1.	Indian Institute of Tech. Hyderabad	2013 IEEE Multi Conference on System and Control	August 2013
2.	IEEE	2011 IEEE RAICS	2011
3	IEEE	IEEE TENCON 2011 Bali	2011

CONFERENCE ORGANIZED

Sr. No.	Organizer	Title	Year
1.	IETE	Next Generation Networks	2006

EVENTS ORGANIZED

Sr. No.	Organizer	Title	Year
1.	SPCE	Guest Lectures Dr. B. N. Chaudhary : Advanced Electrical Machines	2020-2021
2.	SPCE	Guest Lecture Dr. Rajendra Sawant PID tuning	2020-2021
3	SPCE	Guest Lecture : experts from L & T Mr. Paresh Kothare, Mr. Sachin Khare, Mr. Harshad Divekar : Switchgear Protection	2018-2019
4	SPCE	Guest Lecture: Mr. Sonawane : Experience in Smart Grid Implementation	2016-2017
5	SPCE	Discussion on Effectiveness of MERC	2019
6	SPCE	Guest Lecture Dr. Lalita Joshi: Health Awareness	

PROJECTS GUIDED

PG Level

Sr. No.	Title of project	Year	Status (Completed/ Ongoing)
1.	Motion Control of Induction Motor with Adjustable frequency drive using TMS 320F28335	2016	Completed
2.	Induction Motor Plant Model Development and Research for Hybrid Electric Vehicle	2017	Completed
3.	Setting of resonance circuit parameters of HVDC circuit breakers	2017	Completed
4	Performance Measurement of Linear and non-linear controller for Dc-Dc Buck Boost converter for solar energy system	2018	Completed
5	Efficient Solar Energy Harvesting	2018	Completed
6	Battery Charging in Electric Vehicle Using zero voltage switching Interleaved AC-DC PFC boost converter	2019	Completed
7	Comparison and Simulation of MPPT for solar wind hybrid standalone generation system	2019	Completed
8	Silicon Carbide (SiC) based Constant DC Current Source for DC Current Transformer Calibration	2020	Completed
9	Design Considerations and Simulations of Parallel Operation of Six Pulse Converter using Interphase Transformer	2020	Completed
10	Design Considerations and Simulations of Parallel Operations of six pulse converter using interphase transformer	2021	Not Completed

Ph.D. Level

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

SUBJECTS TAUGHT

Sr. No.	Name of subject	UG/ PG
1.	Basic Electricity and Electronics	UG
2.	Microprocessor	UG
3	Control System / Control System Design	UG
4	Numerical Techniques	UG
5	Digital Control Design	UG
6	Digital Communication	UG
7	Digital Signal Processing	UG
8	Electrical Machines II	UG
9	Digital System Design	UG
10	Medical Electronics	UG
11	Image Processing	UG
12	Soft Computing 1	UG
13	Communication Engineering	UG
14	Analog Circuits Laboratory Course	UG

ACHIEVEMENT

Sr. No.	Type of achievement	Year
1.	Completed Ph. D	2016

DEPARTMENTAL AND INSTITUTIONAL RESPONSIBILITIES

Sr. No.	Type of responsibility	Department / Institute	Year
1.	Worked as NBA coordinator	Institute	2016-2018

2.	Worked as TEQIP coordinator (One year)	Institute	2016
3	Institute Disciplinary Committee member	Institute	
4	BoS member	Department	
5	Academic Board Member	Institute	
6	Working as HoD EED	Department	2018 till date
7	Ph. D. coordinator EED		2016-17
8	RTI PIO	Institute	2015-2017

INDUSTRIAL TRAINING ATTENDED

Sr. No.	Organizer	Title	Year
1.			

INDUSTRIAL TRAINING ORGANIZED

Sr. No.	Organizer	Title	Year
1.			

EXPERT LECTURE CONDUCTED / ORGANIZED

Sr. No.	Organizer	Title	Year
1.	SPCE	Guest Lectures Dr. B. N. Chaudhary : Advanced Electrical Machines	2020-2021
2.	SPCE	Guest Lecture Dr. Rajendra Sawant PID tuning	2020-2021
3	SPCE	Guest Lecture : experts from L & T Mr. Paresh Kothare, Mr. Sachin Khare, Mr. Harshad Divekar : Switchgear Protection	2018-2019

4	SPCE	Guest Lecture: Mr. Sonawane : Experience in Smart Grid Implementation	2016-2017
5	SPCE	Discussion on Effectiveness of MERC	2019
6	SPCE	Guest Lecture Dr. Lalita Joshi: Health Awareness	

FUNDED RESEARCH PROJECT

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

REVIEWER

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

CONSULTANCY / TESTING / THIRD PARTY AUDIT

Sr. No.	Organizer	Type of consultancy	Year
1.	Bhiwandi Municipality Corporation	Third party verification 1,2,3	2021