

PROFILE

Dr. SUMBUL ABIDI

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PROFESSIONAL QUALIFICATION

Sr. No.	Degree	Program/Specialisation	University	Year of Passing
1.	B.Sc.	Electrical Engineering	A.M.U	1998
2.	M.Tech.	Power System and Drives	A.M.U	2000
3.	Ph.D.	P.E.P.S	IIT-Bombay	2025

EXPERIENCE

Sr. No.	Organisation	Duration
1.	A.B.E.S, Ghaziabad	1 year
2.	Dawarka J Sanghavi College of Engineering College	2.6 years
3.	Sardar Patel College of Engineering	12 years

PROFESSIONAL MEMBERSHIP

Sr. No.	Name of professional society	Membership ID
1 .	The Indian Society for Technical Education	LM 57591
2.	Indian Society of Lighting Engineers	

PAPERS PUBLISHED

International Journal

Sr. No.	Authors	Title of paper	Publisher	Year
1.	Sumbul Hasan P.V.Navalkar Gopal Gajjar S.A.Soman	Frequency Control of Future AC Grid using storage	Journal of Elsevier	2024

International Conference

Sr . N o.	Authors	Title of paper	Publisher	Year
1.	Sumbul Hasan & Himanshu Bahirat	Study of Impact of Forecasting Methods on the Reliability of the Renewable Energy Sources.	2nd International conference on Large Scale Grid Integration of Renewable Energy in India	2019
2.	Sumbul Hasan & Himanshu Bahirat	Impact of BESS Operating Methods on Reliability of Renewable Energy Sources.	8th International Conference on Power System	2019

National Journals

Sr. No.	Authors	Title of paper	Publisher	Year
1.	NIL			
2.				

National Conference

Sr. No.	Authors	Title of paper	Publisher	Year
1.	Sumbul Hasan, PV Navalkar, Rajeev Gajbheye, S.A.Soman	Sizing of Energy storage system Based on Time Series for Providing Frequency regulation.	IEEE, NPSC	2022
2.	Sumbul Hasan, Himanshu Bhairat, P V Navalkar	A statistical method for sizing of storage for wind farm.	IEEE,SPICON	2022

WORKSHOP / COURSES ATTENDED

Sr. No.	Organizer	Title	Year
1	D.J.Sanghvi COE	Signal Processing and Communication	10.12.2007- 20.12.2007
2	D.J.Sanghvi COE	Mathematics for Engineers	6.2.2008- 7.2.2008
3	D.J.Sanghvi COE	Effective Communication and Life skills	2.6.2008- 6.6.2008
4	Fr.C.R.C.E	Recent Advances in Power Electronics and Drives	20.8.2010- 21.8.2010
5	IIT-Bombay	Virtual Labs for Power System Analysis	6.2.2012
6	IIT-Bombay	Energy Management	26.11.2012- 30.11.2012

7	IIT-Bombay	Simulation of Power System Transients	10.12.2013-11.12.2013
8	IIT-Bombay	Advances in Control Systems	19.12.2013-23.12.2013
9	IIT-Bombay	Optimization and game Theory : From basic to latest trends	15.6.2015 - 19.06-2015
10	SPIT	Basic Electrical , Electronics and Electric Machines	13.7.2015 - 17.7.2015
11	VJTI	Recent trends in power electronics, drives and	

		storage technologies for engineering applications	9.10.2015
12	IIT-Bombay	Electromagnetic field and wave theory and applications	1.7.2019-5.7.2019
13	IIT-Bombay	Practical Optimization	6.1.2020-11.1.2020

WORKSHOP / COURSES CONDUCTED

Sr. No.	Organizer	Title	Year
1.	NIL		
2.			

ONLINE COURSES

Sr. No.	Organizer (AICTE/ Swayam / NPTEL / Coursera)	Title	Year
1.	Swayam	Digital Transformation in Teaching Learning Process	2020
2.	TEQIP-III	Efficacy of Digital Pedagogy for Effective Online Teaching Learning	2020
3.	Vmedulife	Outcome Based Education Software	2020
4.	Shri Bhagubhai Mafatlal Polytechnic	Modern Trends in Electric Traction	2020
5.	TEQIP-III	Design Thinking for Educators in the New Normal	2020
6.	Manav Rachna Deem University	Effective Research Paper Writing and Publishing Aspect	2020

7.	COEP and IEEE-Pune Chapter	Advanced Power System Protection	2020
8.	Osmania University	Reliability and Its Application To Power System and Drives	2020
9.	IETE	Machine Learning using MATLAB	2020
10.	Muthoot Institute Of Technology and Science	Research Initiatives in Renewable Energy Systems	2020
11.	Manav Rachna Deem University	Two Boons for Happier Life Health and Wellness	2020
12.	Swayam	Effective Engineering Teaching Practise	2021
13.	GIAN	Advanced Energy Conversion and Storage Systems	2022

14.	Swayam	Design Thinking	2024
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CONFERENCE ATTENDED

Sr. No.	Organizer	Title	Year
1.	MNRE	2 nd International conference on Large Scale Grid Integration of Renewable Energy in India	2019
2.	MNIT Jaipur	8 th International Conference on Power System	2019

CONFERENCE ORGANIZED

Sr. No.	Organizer	Title	Year
1.	NIL		
2.			

EVENTS ORGANIZED

Sr. No.	Organizer	Title	Year
1.	HVDC Padhge	Industrial Visit to HVDC Station	2015

PROJECTS GUIDED

PG Level

Sr. No.	Title of project	Year	Status (Completed/ Ongoing)
1.	NIL		
2.			

Ph.D. Level

Sr. No.	Title of thesis	Year	Status (Completed/ Ongoing)
1.	NIL		
2.			

SUBJECTS TAUGHT

Sr. No.	Name of subject	UG/ PG
1.	BEE-I	UG
2.	BEE-II	UG
3.	Electrical Machine -I	UG
4.	Electrical Machine -II	UG
5.	Elements of Power System	UG
6.	Power System-I	UG
7.	Power System-II	UG
8.	Power System Operation and Control	UG
9.	High Voltage DC Transmission	UG
10.	Restructuring and Deregulation of the Power System	UG

ACHIEVEMENT

Sr. No.	Type of achievement	Year
1.	Best Conference paper award in Planning and Reliability session at ICPS	2019
2.	Best paper award in SPICON	2022

DEPARTMENTAL AND INSTITUTIONAL RESPONSIBILITIES

Sr. No.	Type of responsibility	Department / Institute	Year
1.	Building and Works Committee	EED	2014-2015
2.	EESA Co-ordinator	EED	2012-2016
3.	Time Table Committee	EED	2019-2021
4.	Mentor Committee	EED	2019-till date
5.	Departmental Controller of Examination	EED	2021
6.	ICC	Institute	2023-till date
7.	ST\SC cell	Institute	2023 -till date

INDUSTRIAL TRAINING ATTENDED

Sr. No.	Organizer	Title	Year
1.	SITRAIN,India	Siemens Mechatronics System	3.12.12-4.1.2013
2.	ETAP Automation	ETAP	7.8.2013-11.8.2013

INDUSTRIAL TRAINING ORGANIZED

Sr. No.	Organizer	Title	Year
1.	SIEMENS	Motor Training for 8 students	2016
2.	SIEMENS	PLC training for 64 students	2015

3.	SIEMENS	PLC training for 30 students	2014
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4.	SIEMENS	SCADA training for 18 students	2015
5	SIEMENS	LV switchgear training for 20 students	2015
6.	SIEMENS	SCADA and PLC training of 45 students	2014

EXPERT LECTURE CONDUCTED / ORGANIZED

Sr. No.	Organized/Conducted	Title	Year
1.	Organised	Series of Lecture “Reform in Indian Power Sector”, by Mr.Vijay Sonavene (MERC)	2014
2.	Organised	“Transmission Line Pricing and ABT” by Prof. H.B Chaudhari (VJTI)	26.9.2014
3.	Organised	Series of lectures on “Smart Grid “by Dr.Sushma Wagh(VJTI)	2014
3.	Organised	“Power Exchanges -Day-ahead and real time” by Yogesh Bichpuriya (TCS)	16.10.2020
4.	Organised	“Deviation settlement mechanism” by Yogesh Bichpuriya (TCS)	9.11.2020
5.	Organised	“PMU and WAMS” by Dr.Navalkar Prashant(Director, Power Anser Labs Pvt. Ltd)	12.3.2021

FUNDED RESEARCH PROJECT

Sr. No.	Funding agency	Title	Sanctioned amount	Duration with dates	Status (Completed / ongoing)
1.		NIL			
2.					

REVIEWER

Sr. No.	Title of journal / conference	Year
1.	ICPS	2019
2.	SPICON	2022

CONSULTANCY / TESTING / THIRD PARTY AUDIT

Sr. No.	Organizer	Type of consultancy	Year
1.	NIL		
2.			