

Faculty Profile on University Website www.mjpru.ac.in

Title	Dr.		First Name	PRABHU	Last Name	OMER		Photograph		
Designa	ation		Assistant	Professor						
Depart	ment		Electrical	Engineering		000				
Addres	s Ca	mpus	EED							
	Res	sidence	B-53 , Sav	anna Heights,	, Golden	Green Par	k,			
			Bareilly-2	43006						
Mobile	No.		+91-98550	5355955		Mr. Com				
Email I	D		Personal		Prab	hu.omer89	@gmai	l.com		
			University	Domain	-					
Profess	ional		Prabhuom	er (LinkedIn)	L					
Networ	king ID	, i.e.								
Linked	In, Twit	ter etc.								
Educat	ional Q	ualificati	ons (Gradu	ation Onward	ds)					
Course/	Degree	Instituti	on		Year De		Deta	tails/Thesis Topic/Subjects		
B. Tech	l.	Kanpur	Institute of	Technology, I	Kanpur	2011	Elect	trical and Electronics		
		(Affilia	ted to GBT	U, Lucknow)			Engineering			
M. E.		PEC U	niversity of	Technology,	chnology, 201		Powe	er Electronics		
		Chandi	garh				("Co	omparison of Modulation		
						Str		ategies of Cascaded-MLI")		
Ph. D.		Punjab	Engineering	g College (Dee	College (Deemed to 2021 "A		"Ana	alysis and Development of		
		be Univ	versity), Cha	ndigarh				r PV Based Standalone		
								em using New Multilevel		
					Inv		Inve	verter Topologies"		
Career	Profile									
Organization / Institution				Designatio	on	Duration		Nature of Duties		
FET, M	JP Rohi	lkhand U	niversity,	Assistant		2 Years, 9		Teaching, Evaluation,		
Bareilly	7			Professor		months and continuing		Research, Coordinator		
								(NBA, GATE,		

						EN	MPLO	YABILITY,	
						SV	WAYA	M, IIC and EAP)	
						an	d Men	toring	
Chandigarh Universi	ty, Gha	ruan,	Assistant		1 Year and	1 T e	eaching	g, Evaluation,	
Mohali			Professor				Research and Mentoring		
Research Interests /	Specia	lization							
Research Interests include Power Electronics Converters, Multilevel Converters topologies; Solar PV									
	based Distributed Generation, Multilevel Inverter control through SHE-PWM, Standalone Solar PV								
system.									
Research Experience	e in Ye	ears: 04							
No of Research Sch			y Guided						
Name of Programme		Awarded	- 	U	Jnder Super	vision			
Ph.D.									
M.Phil./M. Tech.		02							
Dissertation									
(M.Ed./M.A.)									
Researcher/	Scopu	IS	Orchid	Publo	ons	Vidwan		Google Scholar	
Expert ID	https:/	//www.s	https://orcid	https:	//publons.	https://vi	<u>dwan</u>	https://scholar.goo	
Expert ID		//www.s .com/aut	https://orcid .org/0000-		//publons. researcher/	https://vi .inflibnet		https://scholar.goo gle.co.in/citations?	
Expert ID	copus			<u>com/r</u>	-		t.ac.in		
Expert ID	<u>copus</u> <u>hid/de</u>	.com/aut	.org/0000-	<u>com/r</u>	researcher/ 853/prabh	.inflibnet	t <u>.ac.in</u> 1494	gle.co.in/citations?	
Expert ID	<u>copus</u> <u>hid/de</u>	.com/aut tail.uri? Id=5615	.org/0000- 0001-6570-	<u>com/r</u> 16418	researcher/ 853/prabh	.inflibnet	t <u>.ac.in</u> 1494	gle.co.in/citations? user=aZf2dE8AA	
Expert ID Teaching Experience	copus hid/de author 94033	.com/aut tail.uri? 1d=5615 00	.org/0000- 0001-6570- 4031	<u>com/r</u> <u>16418</u> <u>u-ome</u>	researcher/ 353/prabh er/	<u>.inflibnet</u> //profile/ 02/MTQ	t <u>.ac.in</u> 1494	gle.co.in/citations? user=aZf2dE8AA	
-	<u>copus</u> <u>hid/de</u> <u>author</u> <u>94033</u> ce (Sub	.com/aut tail.uri? 1d=5615 00 jects/Cour	.org/0000- 0001-6570- 4031 rses Taught):	<u>com/r</u> <u>16418</u> <u>u-om</u> 04 Ye a	researcher/ 353/prabh er/ urs,	<u>.inflibnet</u> //profile/ 02/MTQ <u>Ay</u>	t.ac.in 1494 5ND	gle.co.in/citations? user=aZf2dE8AA AAJ&hl=en	
Teaching Experience	<u>copus</u> <u>hid/de</u> <u>author</u> <u>94033</u> ee (Sub aught a	.com/aut tail.uri? 1d=5615 00 jects/Cour	.org/0000- 0001-6570- 4031 rses Taught): Electrical Eng	<u>com/r</u> <u>16418</u> <u>u-om</u> 04 Yea	researcher/ 353/prabh er/ urs, ng, Networl	<u>.inflibnet</u> //profile/ 02/MTQ <u>Ay</u> k Analysis	t.ac.in 1494 5ND s, Powe	gle.co.in/citations? user=aZf2dE8AA AAJ&hl=en er System, Power	
Teaching Experience Subjects/Courses Ta	<u>copus</u> <u>hid/de</u> <u>author</u> <u>94033</u> ee (Sub aught a I Syster	.com/aut tail.uri? 1d=5615 00 jects/Cour tre Basic I ms, Electr	.org/0000- 0001-6570- 4031 rses Taught): Electrical Eng ical Measurer	<u>com/r</u> <u>16418</u> <u>u-om</u> 04 Yea	researcher/ 353/prabh er/ urs, ng, Networl	<u>.inflibnet</u> //profile/ 02/MTQ <u>Ay</u> k Analysis	t.ac.in 1494 5ND s, Powe	gle.co.in/citations? user=aZf2dE8AA AAJ&hl=en er System, Power	
Teaching Experience Subjects/Courses Ta Electronics, Contro	<u>copus</u> <u>hid/de</u> <u>author</u> <u>94033</u> ee (Sub aught a l Syster B/SIMU	.com/aut tail.uri? 1d=5615 00 jects/Cour are Basic I ms, Electr JLINK to	.org/0000- 0001-6570- 4031 rses Taught): Electrical Eng ical Measurer UG/PG	<u>com/r</u> <u>16418</u> <u>u-om</u> 04 Yea ineerin nents,	researcher/ 353/prabh er/ urs, ng, Networl Electrical 1	<u>.inflibnet</u> //profile/ 02/MTQ <u>Ay</u> k Analysis	t.ac.in 1494 5ND s, Powe	gle.co.in/citations? user=aZf2dE8AA AAJ&hl=en er System, Power	
Teaching Experience Subjects/Courses Ta Electronics, Contro Course in MATLAI Honors / Awards & Name of Award/	<u>copus</u> <u>hid/de</u> <u>author</u> <u>94033</u> ce (Sub aught a l Syster B/SIMU Fellow	.com/aut ttail.uri? Id=5615 00 jects/Cour re Basic I ms, Electr JLINK to zship FOR	.org/0000- 0001-6570- 4031 rses Taught): Electrical Eng ical Measurer UG/PG COUTSTANE	<u>com/r</u> <u>16418</u> <u>u-om</u> 04 Yea ineerin nents,	researcher/ 353/prabh er/ nrs, ng, Networl Electrical I WORK Awarded	<u>.inflibnet</u> //profile/ 02/MTQ <u>Ay</u> k Analysis Machines	t.ac.in 1494 5ND s, Pow , EMF	gle.co.in/citations? user=aZf2dE8AA AAJ&hl=en er System, Power T	
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Teaching Experience Subjects/Courses Ta Electronics, Contro Course in MATLAI Honors / Awards & Name of Award/	<u>copus</u> <u>hid/de</u> <u>author</u> <u>94033</u> ce (Sub aught a l Syster B/SIMU Fellow	.com/aut ttail.uri? Id=5615 00 jects/Cour re Basic I ms, Electr JLINK to zship FOR	.org/0000- 0001-6570- 4031 rses Taught): Electrical Eng ical Measurer UG/PG COUTSTANE	<u>com/r</u> <u>16418</u> <u>u-omo</u> 04 Yea ineerin nents,	researcher/ 353/prabh er/ urs, ng, Networl Electrical I WORK Awarded VORK Awarded VORK Governi Support Organiz	<u>.inflibnet</u> //profile/ 02/MTQ <u>Ay</u> k Analysis Machines, By f ment ted zation/	t.ac.in 1494 5ND s, Pow , EMF	gle.co.in/citations? user=aZf2dE8AA AAJ&h1=en er System, Power T	

Publications /Academic Activities (Numbers Only)

Books &	Research	03	Papers	04	Seminars/	02	Research	
Monographs	Papers		Presented in		Conferences		Projects	
(Single	Published in		Seminars/		Organized		(Completed	
Author)	International		Conferences)	
	Journals							
Books (Co-	Research		Seminar/	04	Workshops	02	Research	01
authored)	Papers		Conferences		Organized		Projects	
	Published in		Attended				(Ongoing)	
	Other							
	Journals							
Books	Articles		Sessions		Membershi	03	Foreign	
(Edited)	Published in		Chaired in		p of		Countries	
Chapters in	Popular Fora,		Seminars/		Academic/		Visited for	
Edited Books	e.g.,		Conferences		Professional		Academic	
Luitea Doomb	Websites,		Resource	01	Bodies		Assignment	
	Blogs,		Lectures				S	
	Newspapers,							
	Magazines		Delivered					
	etc.							

Name of Book Y		Year of Pub	ear of Publication Pu		Publisher					ISBN No	
(b) Edited	Books										
Year of Publicati on	Title		Publishe	r I	SBN			DO No.		Citations	
(c) Papers	Published in	n UGC Care	Listed /Ir	ndexed/ I	Peer R	evie	ewed J	ourna	ls		
Year of Publicati on	Title		Name of Journal	f	ISS	N N	0	Citat	ions	Impact Factor	
2014	Cascaded I	Nine Level	Internatio	onal	224	8-96	522	02		1.54	
	Inverter Us	sing Pulse	Journal o	f							
	Width Mo	dulation and	Engineering								
	Hybrid PWM		Research and								
			Applications								
2014	Selective H	Harmonic	International 232		232	1-96	537			2.74	
	Eliminatio	n for a	Journal of								
	Cascaded 1	Multilevel	Research in								
	Inverter		Advent								
			Technolo	ogy							
2020	A Review	on Reduced	IEEE Access 10		10.	10.1109/AC		03		4.08	
	Switch Count				CE	CESS.2020.					
	Multilevel Inverter				296	955	1				
	Topologies										
(d) Chapte	er/Paper Pu	blished in Ed	lited Book	S	-						
Publication	l	Title of	Title of	Name &		ar	ISB	DC		Citation	
National	Internatio nal	the Book	the Chapter	Address of Publish r			N		N	Google/ web of science	
(e) Invited	as Resource	e Lectures Po	erson/Exa	miner/F:	xpert						
	1	Title of 1			-per t	1	Data		T -	titutian	
Resource person	Detail of Event		Lecture				Date In			titution	
TEQIP 3	MOOC	Introduct	on and implementation of			f	30/01/2019		FE'	FET MJP	

	SV	WAYAN	M/NPTEL courses	in the	Roh	ilkhand
	cu	rriculun	n		Uni	versity,
					Bar	eilly
(f) Sen	ninars/Conferences/W	orksho	ps Organized			-
0		(l (CI			-1	
Organi	ized Smart India Hackat	thon (SI	IH) 2020 by GOI a	at institute lev	el	
Organi	ized several seminars an	nd work	shops for faculty a	and students in	n the areas like	start-ups,
IPR, aı	nd Technical topics at F	ET, MJ	P Rohilkhand Uni	versity, Barei	lly.	
Core te	eam member for organiz	zing Inte	ernational conferen	nce ICAREM	IT for two cons	ecutive
years (2019, 2020) at FET, MJ	JP Rohi	lkhand University	, Bareilly.		
	ojects (With Title, Yea					
Year	Name of Project		Funding	Amount	Duration	75:11
	<u> </u>		Agency		From	Till
2019	Solar PV integration		CRS Scheme of	INR 18.13	30/06/2019	Continui
	hybrid multilevel inve		AICTE under	Lakhs		ng
	for efficient standalon	ne	TEQIP-3			
	system					
	ministrative Positions		ments Held			
(h) Ad Post				່ Dເ	ration To	
	ministrative Positions		ments Held From	Du	ration To	
Post	ministrative Positions	on	From	Du		
Post (i) Sei	ministrative Positions, Organization	on sentatio	From Ons		То	or
Post (i) Ser P. Ome	ministrative Positions, Organization minar/Conference Pres	on sentatio Surjan, "	From Ons Comparison of mu	ulticarrier PW	To M techniques f	
Post (i) Ser P. Ome cascad	ministrative Positions Organization minar/Conference Prese er, J. Kumar and B. S. S	on sentatio Surjan, " 2014 IEI	From From Ons 'Comparison of mu EE Students' Confe	ulticarrier PW erence on Ele	To M techniques f ctrical, Electron	
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Post (i) Ser P. Omo cascad <i>Compu</i> P. Omo	ministrative Positions, Organization minar/Conference Press er, J. Kumar and B. S. S ed H-bridge inverter," 2 uter Science, Bhopal, 20 er, J. Kumar and B. S. S	on sentatio Surjan, " 20 <i>14 IEI</i>)14, pp. Surjan, "	From From Comparison of mu EE Students' Confe 1-6, doi: 10.1109/ 'Design of robust I	ulticarrier PW <i>erence on Ele</i> /SCEECS.201 PID controller	To M techniques f <i>ctrical, Electron</i> 4.6804463.	nics and erter using
Post (i) Ser P. Omo cascad <i>Compu</i> P. Omo Bat alg	ministrative Positions, Organization minar/Conference Press er, J. Kumar and B. S. S ed H-bridge inverter," 2 uter Science, Bhopal, 20 er, J. Kumar and B. S. S gorithm," 2016 IEEE 1st	on sentatio Surjan, " 20 <i>14 IEI</i>)14, pp. Surjan, " <i>t Interno</i>	From From Comparison of multiple <i>EE Students' Confe</i> 1-6, doi: 10.1109/ 'Design of robust I <i>ational Conference</i>	ulticarrier PW erence on Ele /SCEECS.201 PID controller e on Power El	To M techniques f <i>ctrical, Electron</i> 4.6804463.	nics and erter using
Post (i) Ser P. Omo cascad <i>Compu</i> P. Omo Bat alg <i>Contro</i>	ministrative Positions, Organization minar/Conference Press er, J. Kumar and B. S. S ed H-bridge inverter," 2 uter Science, Bhopal, 20 er, J. Kumar and B. S. S gorithm," 2016 IEEE 1st of and Energy Systems (A	on sentatio Surjan, " 2014 IEI 014, pp. Surjan, " t Interna ICPEIC	From From Comparison of multiple <i>EE Students' Confe</i> 1-6, doi: 10.1109/ 'Design of robust I <i>ational Conference</i>	ulticarrier PW erence on Ele /SCEECS.201 PID controller e on Power El	To M techniques f <i>ctrical, Electron</i> 4.6804463.	nics and erter using
Post (i) Ser P. Ome cascad <i>Compu</i> P. Ome Bat alg <i>Contro</i> 10.110	ministrative Positions, Organization minar/Conference Press er, J. Kumar and B. S. S ed H-bridge inverter," 2 <i>uter Science</i> , Bhopal, 20 er, J. Kumar and B. S. S gorithm," 2016 IEEE 1st of and Energy Systems (A 09/ICPEICES.2016.7853	on sentatio Surjan, " 2014 IEI 014, pp. 014, pp. Surjan, " t Interno ICPEIC 3209	From From Comparison of mu <i>EE Students' Confe</i> 1-6, doi: 10.1109/ 'Design of robust I <i>ational Conference</i> <i>CES</i>), Delhi, 2016,	ulticarrier PW <i>erence on Ele</i> /SCEECS.201 PID controller <i>e on Power El</i> pp. 1-5, doi:	To TM techniques f <i>ctrical, Electron</i> 4.6804463. for Buck conve <i>lectronics, Intel</i>	nics and erter using ligent
Post (i) Ser P. Omo cascad Compu P. Omo Bat alg Contro 10.110 P. Omo	ministrative Positions, Organization minar/Conference Press er, J. Kumar and B. S. S ed H-bridge inverter," 2 uter Science, Bhopal, 20 er, J. Kumar and B. S. S gorithm," 2016 IEEE 1st of and Energy Systems (A 09/ICPEICES.2016.7853 er, J. Kumar and B. S. S	on sentatio Surjan, " 2014 IEI 014, pp. Surjan, " t Interna ICPEIC 3209 Surjan, "	From From Comparison of multilevel Comparison of multilevel Comparison of multilevel Comparison of multilevel CES), Delhi, 2016,	ulticarrier PW <i>erence on Ele</i> /SCEECS.201 PID controller <i>e on Power El</i> pp. 1-5, doi: l Inverter Top	To To To To To To To To To To	nics and erter using ligent uced
Post (i) Ser P. Omo cascad Compu P. Omo Bat alg Contro 10.110 P. Omo Switch	ministrative Positions, Organization minar/Conference Press er, J. Kumar and B. S. S ed H-bridge inverter," 2 uter Science, Bhopal, 20 er, J. Kumar and B. S. S gorithm," 2016 IEEE 1st of and Energy Systems (A 09/ICPEICES.2016.7853 er, J. Kumar and B. S. S a Count and Device Stre	on sentatio Surjan, " 2014 IEI 014, pp. 014, pp. Surjan, " t Interna ICPEIC 3209 Surjan, " ess," 201	From From Comparison of multilevel <i>EE Students' Confe</i> 1-6, doi: 10.1109/ 'Design of robust I <i>ational Conference</i> <i>CES</i>), Delhi, 2016, 'A New Multilevel 18 5th IEEE Uttar	ulticarrier PW <i>erence on Ele</i> /SCEECS.201 PID controller <i>e on Power El</i> pp. 1-5, doi: l Inverter Top <i>Pradesh Sect</i>	To To To To To To To To To To	nics and erter using ligent uced ul
Post (i) Ser P. Omo cascad Compu P. Omo Bat alg Contro 10.110 P. Omo Switch Confer	ministrative Positions, Organization minar/Conference Press er, J. Kumar and B. S. S ed H-bridge inverter," 2 uter Science, Bhopal, 20 er, J. Kumar and B. S. S gorithm," 2016 IEEE 1st of and Energy Systems (A 09/ICPEICES.2016.7853 er, J. Kumar and B. S. S a Count and Device Stree rence on Electrical, Elect	on sentatio Surjan, " 2014 IEI 014, pp. 014, pp. Surjan, " t Interna ICPEIC 3209 Surjan, " ess," 201 ctronics	From From Comparison of multile <i>EE Students' Confe</i> 1-6, doi: 10.1109/ 'Design of robust I <i>ational Conference</i> <i>CES</i>), Delhi, 2016, 'A New Multilevel 18 5th IEEE Uttar <i>and Computer En</i>	ulticarrier PW <i>erence on Ele</i> /SCEECS.201 PID controller <i>e on Power El</i> pp. 1-5, doi: l Inverter Top <i>Pradesh Sect</i>	To To To To To To To To To To	nics and erter using ligent uced ul
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(j) Memberships of Acade	emic/Professional Bodies
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IEEE Member, PELS, IEEE-IAS

(k) Participation in Community Service / Exchange Programme / Consulting Activity

(l) International Academic Exposure

(m) Any Other Details	

- Attended Short term course on "Advanced Pedagogies: Active Learning and Digital Tools" organised by IIT Roorkee.
- Attended many National/International technical conferences and workshops in India.
- Attended many short term courses/Faculty development programs in Renewable energy, MATLAB/SIMULINK and Artificial Intelligence.
- Attended workshops and webinars related to NBA, SWAYAM/NPTEL and EAP organised at National level.
- Served reviewer duties for various SCI/SCIE peer reviewed research journals such as IEEE Transactions on Power Electronics, IET Power Electronics, IET Renewable power generation and many more.

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Signature of Faculty Member