


Name:							
Mr. NAGARAJU BUDIDHA							
Qualification :M.Tech, (Ph.D)							
<p>Experience:I B.Nagaraju working as a Associate Professor in Vaagdevi College of Engineering in EEE Department having an experience of 10 years. I have finished my UG, PG in the same discipline i am pursuing my Phd in KL University, Vijayawada. As an IEEE member i have 12 years of Experience(03 years as student member+ 09 years as a professional member). I have Published 5 international standard journals and submitted research papers for 2 international conferences and one national conferences in 2011-2012. I have guided around 20 Projects in UG Level and around 10 Projects in PG level.I am an active volunteer in IEEE Hyderabad section. I have received the outstanding reviewer certificate from Elsevier peer reviewed journal in 2017.I have been working as an IEEE SB Coordinator for 8 years and organised many events to strengthen our SB. Apart of that, he is serving as an IEEE PES student chapter advisor and Warangal Zone Incharge, Student Activity Committee Coordinator for IEEE Hyderabad Section .</p>							
Area of Interest: Power Converters Applications in Distributed Generation systems.							
Subjects Taught: Electrical Circuits , Basic Electrical Engineering, Control Systems, Power Electronics Control of DC Drives, Power Electronics Control of AC Drives, Dynamics of Electrical Machines, Digital Control Systems, Advanced Control Systems, Utilization of Electrical Energy , Power system Operation and Control, Electrical Distribution systems, Renewable Energy Sources, Non conventional Energy Sources, Power Electronic Converters-I							
Research Publications:							
S.No	Title	Author / Co-Author	ISSN / ISBN No.	Conference / Journal	Year	Location	
1	Modeling And Simulation Of A Single Phase Photovoltaic Inverter And Investigation Of Switching Strategies For Harmonic	Author	2231-1963	Journal	2011	International Journal For Advances In Engineering & Technology	

	Minimization					
2	Transformerless inverter for smart Grid Based on Photovoltaic Systems	Author	2045-8711	Journal	2011	International Journal of Innovative Technology and creative Engineering
3	A Novel Active Clamped Dual Switch Fly Back Converter	Author	2248-9622	Journal	2012	International Journal of Engineering research Applications
4	Fuzzy logic Control of Buck boost Converters for Fuel Cell Hybrid Vehicles	International Conference	--	--	2011	Bhubaneswar
5	A Different strategy of Fuzzy logic Control of Buck Boost Converters for fuel cell Hybrid vehicles	National Conference	--	---	2011	Salem

Projects guided:

UG projects

S.No	Title	Names of the Students/ Roll No.	Year
1	Harmonics modeling and harmonic activity analysis of equipment with switch mode power supply using Matlab/simulink	05641A0251 05641A0265 05641A0246 05641A0254 05641A0213	2005-2009

2	Smart solar tracking sytem for optional Power	06645a0202 05641A0217 05641A0214 05641A0222	2005-2009	
4	Z source inverter for residential Photovoltaic system	06641a0214 06641a0250 06641a0216 06641a0219 06641a0245	2006-2010	
5	A new Topology for Unipolar brushless DC Motor Drive wioth High power factor	07645A0211 06641a0257 06641a0283 06641a0255 07645a0205	2006-2010	
6	Improvement of Power quality by using IUPQC in Distributiion system	07641A0258 07641A0266 07641A0265 08645A0204	2007-2011	
8	A Modular Fuel cell modular DC -DC converter for high performance and enhanced reliability	07641A0264 07641A0273 07641A0270 07641A0274	2007-2011	

9	A new three phase diode rectifier for air craft variable frequency ac electrical power system	08641A0234 08641A0239 08641A0232 08641A0226	2008-2012	
10	Comparision of Power quality Improvement techniques in AC-Dc cuk converter	08641A0269 08641A0253 08641A0256 08641A0273	2008-2012	
11	Extended Phase shift control of Isolated bidirectional DC-Dc Converter for power distribution in Micro Grid	09641A0248 09641A0246 09641A0218 09641A0235	2009-2013	
12	High frequency resonant SEPIC Converter with wide input and output voltage range	09641A0289 09641A0291 09641A0284 10645A0204	2009-2013	
13	Modeling and simulation of low cost semi Z- source inverter for single phase photovoltaic system	10641A0223 10641A0237 10641A0239 10641A0209 10641A0260	2010-2014	

14	Modeling and simulation of Double input z- source DC-Dc Converter	10641A02B3 10641A0298 10641A02A6 10641A0282 09641A0293	2010-2014	
15	Single phase multilevel inverter with battery balancing	11641A02E3 11641A02F3 11641A02C5 11641A02F5 12645A0226	2011-2015	
16	Space Vecctor Modulated Three Level Inverter With Single Z-Source Network	11641A0211 11641A0214 11641A0203 11641A0208 12645A0210	2011-2015	
17	Design & implementation of a distribution transformer monitoring system for remote electric power grid	12641A02C4 12641A02F0 12641A02G0 12641A02E1 12641A02E8	2012-2016	
18	Design And Simulation Of Luo Converters For Hybrid Electric Vehicle Applications	14645A0229 14645A0207 14645A0225 14645A0218 14645A0220	2013-2017	

19	Modeling Of Single-Phase Transformer Less Photo-Voltaic Inverters For Leakage Current Suppression	13641A0257 13641A0218 13641A0233 13641A0208	2013-2017	
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PG projects

Sl.no	Title	Student Name/ Roll No.	Year
1	Low cost semi z- source inverter for single phase photo voltaic system	KeerthiSonam	2010-2012
2	Voltage sag compensation of pcc using fault current limiter	D.Sumalatha	2010-2012
3	A High power input parallel output series buck and half bridge converter and control methods	B.Krishnarao	2010-2012
4	Soft switching boost converter with a flyback snubber for high power applications	M.Sreekanth	2010-2012
5	Modeling and simulation of H5 and H6 transformerless full bridge PV Grid tied inverters	RumanaAbidden	2012-2014
6	Modeling and simulation of a high voltage gain DC-DC converter integrating coupled Inductor capacitor techniques	K.Anil 12641D4330	2012-2014
7	Modeling and simulation of modified 3 phase four wire UPQC topology with reduced DC link voltage rating with inductive loads	M.Goutham 12641D5307	2012-2014
8	A modified sepic converter with high static gain for renewable applications	G.Suresh 13641D4331	2013-2015

Workshops/Seminars/FDP's Organized:

S.No	Title	Type of Event
1	AHCSSC'18	Workshop
2	NSPAC'16	Workshop
3	NSPAC'15	workshop
4	NSPAC'13	Workshop
5	NSPAC'12	Workshop
6	JOOMLA Software	Workshop
7	Two Weeks Matlab Training Program(as an Organiser and Speaker for 2 years)	Workshop

Workshops/Seminars/FDP's Attended:

S.No	Title	Type of Event	Organized / Participated
1	Effective Teaching & Learning Methodologies	FDP	PARTICIPATED
2	Switched Mode Power Converters	FDP	PARTICIPATED
3	Soft Computing Techniques in Electrical Engineering	FDP	PARTICIPATED

Conferences Attended:

S.No	Conference Name	Type of Event
1	National Conference on Intelligence Electrical Systems	National Conference
2	International Conference on Artificial Intelligence and Soft Computing	International Conference
3	IEEE Conference Organizers Workshop	Workshop
4	MATLAB EXPO	International Exhibition

Achievements:

- Published 5 international standard journals and submitted research papers for 2 international conferences and one national conferences in 2011-2012.
- Guided around 20 Projects in UG Level and around 10 Projects in PG level.
- Active volunteer in IEEE Hyderabad section.
- Received the outstanding reviewer certificate from Elsevier peer reviewed journal in 2017.
- Reviewer for Elsevier Renewable and Sustainable Energy Reviews
- Working as an IEEE SB Coordinator for 8 years and Organized many events to strengthen our SB.
- IEEE PES student chapter advisor
- Warangal Zone In charge, Student Activity Committee Coordinator for IEEE Hyderabad Section for 2018.