

Dr. MADHU KIRAN BUDDI

Department: **Electrical and Electronics Engineering Department**

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RESIDENTIAL ADDRESS:

Dr. MADHU KIRAN BUDDI

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ACADEMIC QUALIFICATIONS:

S. No	Qualifications	Institute/ University Name	Year of Passing	Regular/ Distance/ Part Time	Specialization
1	SSC	LOYOLA HIGH SCHOOL	1987	Regular	General
2	Diploma	ANDHRA POLYTEHNIC	1991	Regular	DECE
3	UG: AMIE	THE INSTITUTION OF ENGINEERS(INDIA)	1998	Part Time	ELECTRICAL
4	PG: M.Tech	JNTU COLLEGE OF ENGINEERING,KAKINADA	2004	Regular	APS
5	Ph.D: EEE	JNTUH	2018	Part Time	Power Electronics& Drives

PROFESSIONAL EXPERIENCE:

S. No	Teaching:17	Industry: 03	Research: 04	Total: 20
	Name of the Organization & Address	Job Title	Period	
			From	To
1	Gudlavalleru Engineering College	Associate Professor	June, 2018	Till Date
2	PSCMRCET, Vijayawada	Associate Professor	Oct 2009	May 2018
4	Prasad V Potluri Siddhartha Institute of Technology, Vijayawada	Assistant Professor	June 2004	Sep 2009
5	BVC institute of Technology & Science, Amalapuram	Assistant Professor	Nov 2003	May 2004
6	AANM&VVSRR Polytechnic ,Gudlavalleru	Associate Lecturer	July2001	Jan2002
7	AANM&VVSRR Polytechnic ,Gudlavalleru	Lecturer	July2000	June2001

PROJECTS GUIDED:

Ph.D	Post Graduation	Under Graduation
.....	01	25

SPECIALIZATION: Advanced power systems and Power Electronic & Electric Drives

BOOKS PUBLISHED IN PUBLICATIONS: 01

Elements Of Electrical Engineering (Part A) for Intermediate Vocational Board ,A.P

PAPERS PUBLISHED IN JOURNALS: 8

1. B. MadhuKiran and Dr. B. V. Sanker Ram, "Analysis of Cascaded H-Bridge Multilevel Inverter with Phase Shifted PWM on Induction motor," International Journal of Scientific Engineering and Technology Research, Vol.03, Issue 45 December-2014, pp9182-9193
2. B. MadhuKiran and Dr. B. V. Sanker Ram, "Analysis of Cascaded H-Bridge Multilevel Inverter with Level Shifted PWM on Induction motor," International Journal of Electrical and Electronics Engineering Research (IJEER-TJPRC Publications), Vol. 5, Issue 1, Feb 2015, pp11-32
3. B. MadhuKiran and Dr. B. V. Sanker Ram, "A Fault Tolerant Nine Level Cascaded H Bridge Multi Level Inverter for Electrical Vehicle Application," International Journal of Applied Engineering Research, Volume 11, Number 2 (2016) pp 870-886
4. B. MadhuKiran and Dr. B. V. Sanker Ram, "Mitigation Of Nine Level Inverterfaults Using Redundant Cell For Induction Motor Drive," European Journal of Scientific Research, Volume 139, Number 4, June 2016, pp315-336.
5. B. MadhuKiran and Dr. B. V. Sanker Ram, "Fault Identification And Mitigation In Seven Level Cascaded H-Bridge Inverter For Vehicular Application," ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 17, September 2016, pp 10239-10247.
6. B. Madhu Kiran, Dr. B. V. Sanker Ram, "Seven Level Inverter Fault Mitigation Using Redundant Cell For Induction Motor Drive," International Journal of Applied Power Engineering (IJAPE), Vol.7, No.3, December 2018, pp. 298~312.
7. B. MadhuKiran and Etal "Reduction of harmonics in Asymmetrical Multilevel Inverter Fed By Induction Motor", International Journal of Scientific Engineering and Technology Research Vol.05, Issue.07, March-2016, Pages:1335-1341.
8. B. MadhuKiran and Etal "Solar Hybrid Vehicle", International Journal of Computer Science & Mechatronics, vol.2, issue3, 2016, pp10-19.

PAPERS PUBLISHED IN CONFERENCES: 04

1. B. MadhuKiran and Dr. B. V. Sanker Ram, "Fuzzy Controlled PV Cell Fed Multi Level Inverter for Induction Motor Drive," Proc. Of *Advances In Engineering & Technology-Proceedings of Fourth International Conference on Control System and Power Electronics – CSPE*, 2015, pp110-126
2. B. MadhuKiran and Dr. B. V. Sanker Ram, "Fault detection and mitigation in cascaded MLI fed EV," *IEEE 2nd International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB)*, Chennai, 2016, pp. 491-498
3. B. MadhuKiran and Dr. B. V. Sanker Ram, "Fault Mitigation in Five-Level Inverter Fed Induction Motor Drive Using Redundant Cell," *Proc. of FICTA-2016 Conference, Publication in Springer AISC Series*, 2016.
4. B. MadhuKiran and Etal "Photo Voltaic System Based HERIC and H6 Transformerless Inverter Fed Induction Motor" International Journal Of Advanced Research In Basic Engineering Sciences And Technology, Vol. 3, Special Issue 30, March 2017

LIST OF WORKSHOPS/EVENTS ORGANIZED: 01

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

- Application of Artificial Intelligence and soft computing Techniques to Electrical Engineering, 12-11-2018 to 17-12-2018 at Gudlavalleru Engineering college, Gudlavalleru
- Attended two days workshop on “Green Energy and Smart Grids” during 20.07.18 to 21-07-18 at PVPSIT.
- Advanced Technologies in power Engineering during 17/12/2018 to 21/12/2018 at NIT,WARANGAL.
- Attended one week seminar on “Effective communication” during 04.05.09 to 09.05.09 at PVPSIT.
- Participated one week faculty development program on “English communication Skills” during 03.06.13 to 07.06.13 at PSCMRCET.
- Participated in the IEEE National Workshop on “Understanding 5G” held on 08.08.2015 at PSCMRCET.
- Attended one day workshop on “Arc GIS Web Maps” held on 16.11.2016 at PSCMRCET.
- Attended two days workshop on “MATLAB & Its Applications” during 29.07.09 to 30.07.09 at PVPSIT.
- Attended the one day seminar on “Wavelets an Electrical Engineering Perspective” held on 26-06- 2010 at PSCMRCET, Vijayawada.

CERTIFICATIONS:3

NPTEL CERTIFICATION COURSES ON
ELECTRICAL DISTRIBUTION SYSTEM ANALYSIS,
POWER SYSTEM ENGINEERING,
ADVANCES IN UHV AC TRANSMISSION & DISTRIBUTION

Circuit Simulation Completed Under Esim Project By IIT,Bombay

MEMBERSHIP IN PROFESSIONAL BODIES: 09

- Member of ISSE
- Member of IAENG
- AIE
- LMISTE

CONSULTANCY ACTIVITIES: Nil

GRANTS FETCHED: NIL

INTERACTION WITH PROFESSIONAL INSTITUTIONS:

- Research Gate