
VASANTHA KUMAR C

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EDUCATION

- **M.Tech in Power Electronics** from RV College of Engineering Bangalore affiliated to VTU University Belgaum completed in 2012

Project Work: "REDUCTION OF DISTORTION FOR INDUCTION MOTOR DRIVES USING MULTILEVEL INVERTER"

Multi-level inverter technology has emerged recently as a very important alternative in the area of medium-voltage high-power energy control. Due to higher number of dc voltage sources, lower EMI, requirement of semiconductor power devices with less blocking voltage, lower % THD in output voltage and less stress on insulation, they are widely used. However, it has some disadvantages as complicated PWM controlling method, increased number of components, complex power bus structure in some topologies, and voltage balancing problem at neutral point. In this paper, a new topology called Reversing Voltage is implemented (which was previously proposed) to improve multilevel performance by compensating the disadvantages just mentioned. This new power converter topology requires fewer components compared to available multi-level inverters (especially in higher-levels) and requires less carrier signals for PWM implementation.

- **B.E in Electrical & Electronics Engineering** from Golden Valley Institute of technology (Dr. TTIT) affiliated to VTU completed in 2008

Project Work : "ZIGBEE BASED AUTOMATIC METER READING"

ZigBee is the new wireless technology that looks to have application in variety of fields. Low data transfer in industrial, scientific and medical application. ZigBee is targeting various forms of automation, consumes low power, sophisticated network.

WORK EXPERIENCE

- Working as a Assistant professor in MS Engineering College for the past 2 years till date ,Navarathna Agrahara, Sadahalli P.O Bangalore -110
- Worked as a lecturer in Sri Krishna college, Chikkabanawara Bangalore

AREAS OF INTEREST

Power Electronics and Semiconductor switches, Machines, and Electromagnetism

SOFTWARE EXPOSURE

- Operating System: Win 9X, Win NT, Win XP, window 7-8
- Languages: C, C++, 8051
- Packages :MS-Office, Mat-lab

WORKSHOPS/ CONFERENCES ATTENDED

- | | | | |
|---|--|------------------|--|
| 1 | One day pre-conference workshop "Micro and Nano- technology for consumer electronics /engineering education" | MSRIT, Bangalore | 8 th -july-2014 |
| 2 | "7 th International Conference on Smart materials and structures and System" | IISC Bangalore | 8 th to 10 th July 2014 |
| 3 | . Two Day workshop on "Recent Trends in solar Power Generation & Rural Electrification Using Solar Energy" | MSEC, Bangalore | 25 th July 2013 to 26 th July 2013 |
| 4 | One day Workshop on "Renewable Energy" | MSEC, Bangalore | (8 th Nov 2012) |

INDUSTRIAL TRAINING

Under gone industrial training at BEML for three months in 2008

STRENGTHS

- Comprehensive problem solving abilities.
- Good verbal and written communication skills.
- Willingness to learn and team facilitator.
- Ability to work in team

PERSONAL DETAILS

Name	Vasantha Kumar C
Date Of Birth	23/06/1983
Gender	Male
Nationality	Indian
Father's Name	Chanra Sekeran
Languages Known	English , Kannada, Tamil, Telugu
