VAAGDEVI COLLEGE OF ENGINEERING
UGC AUTONOMOUS
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A Two Day Workshop on Fuzzy Based Random Pulse Width Modulation Technique for Performance Improvement of induction Motor.

Electrical & Electronics Engineering Department has organized a two DayWorkshop on "**A Two Day Workshop on Fuzzy Based Random Pulse Width Modulation Technique for Performance Improvement of induction Motor**" dated 08-02-2017 to 09-02-2017 by Mr. P. Sadanandam and P Purnachander Rao. Faculty, the third and final year B.Tech Students has participated in the workshop. Dr. T. Vinay Kumar has given a lecture series and demonstration on various PWM techniques. No of Faculty Participants: 24

The programme is started with welcome note by the Principal Dr. K. Prakash followed by the lecture session.
During this workshop the following points were discussed:

- Various random pulse width modulation techniques.
- Harmonic spectrum
- PWM converters with multi-level topology.
- Random PWM, Random SVPWM, Multi-level inverters and drives
- Random carrier frequency-PWM
- Applications of random PWM

The **objectives** of the program are:

- Pulse Width Modulation techniques have wide applications for controlling IGBTs and MOSFETs.
- For multi level inverters and analysis of harmonic spectrum understanding of PWM techniques is needed.
- PWM applications

Outcomes of the programme:

- Gained knowledge on various Pulse width modulation techniques
- Designing and usage of better PWM techniques for an induction motor.

VAAGDEVI COLLEGE OF ENGINEERING

Bollikunta, Warangal-506 005
Autonomous

Department of Electrical and Electronics Engineering

A Two Days National level workshop on

Fuzzy Based Random Pulse Width Modulation Technique for Performance Improvement of induction Motor.

08th & 09th February, 2017

Department of Electrical and Electronics Engineering

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Fuzzy Based Random Pulse Width Modulation Technique for Performance Improvement of induction Motor.

Program schedule

Date		Time	Program
08-02-2017 Wednesday	Session-I	11.00AM to 1.00PM	Introduction to various random pulse width modulation techniques.
		1.00PM to 2.00PM	Lunch break
	Session –II	2.00PM to 3.30PM	effect on spreading the harmonic spectrum for various applications
		3.30PM to 3.40PM	Break
		3.40PM to 5.00PM	PWM converters with multilevel topology
09-02-2017 Thursday	Session-III	9.30AM to 11.00AM	Random PWM, Random SVPWM, Multilevel inverter, drives
		11.00AM to 11.10AM	Break
		11.10AM to 1.00PM	Random Carrier Frequency (RCF-PWM)
		1.00PM to 2.00PM	Lunch break
		2.00PM to 3.30PM	RANDOM PWM AND RANDOM SVPWM
		3.30PM to 3.40PM	Break
		3.40PM to 4.30PM	Applications of Random PWM
	4.30PM	Felicitation of chief guest.	
	4.30PM to 5.00PM	Vote of thanks.	

VAAGDEVI COLLEGE OF ENGINEERING

(Affiliated to JNTUH, Accredited by NBA, recognized under UGC)

BOLLIKUNTA, WARANGAL, 506005.

Two Days WORKSHOP on

"Fuzzy Based Random Pulse Width Modulation Technique for Performance Improvement of Induction Motor".

08th – 9th Feb, 2017.

Certificate of participation

This is to certify that Mr. /Ms .....

Of.....has participated in the Two Days WORKSHOP on **"Fuzzy Based Random Pulse Width Modulation Technique for Performance Improvement of Induction Motor"**, 08th – 9th Feb, 2017.Organized by the Department of Electrical and Electronics Engineering, **VAAGDEVI COLLEGE OF ENGINEERING**,Warangal.

Co-ordinator **Principal**

Head of the Department

Head of the Department
ELECTRICAL & ELECTRONICS ENGINEERING
Vaagdevi College of Engineering,
Bollikunta, Warangal (U) T.S. 506005