

Deep Ashvinkumar Suthar

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Objective

A Technical-minded, Certified Electrical Engineering Graduate looking for a GET/PGET Electrical Embedded Engineer position at your organization to enhance my skills and learning to contribute in success of organization.

Education Details

- Masters of Electrical Engineering, The Maharaja Sayajirav University
62.45%
Pursuing
- GATE, IIT Roorkee
407 Score
2017
- Bachelor of Electrical Engineering, Ahmedabad Institute of Technology, Gota
69.3%
2018
- HSC Science, The Muktajivan High School, Isanpur
60.00%
2013
- SSC , The Muktajivan High school, Isanpur
81.40%
2011

Project Details

PROJECT : 1

- Design and Simulation of Direct Torque control Drive of an AC drives
DTC is one type of Decoupled control of torque and flux by using SVPWM pulse generation, PI hysteresis controllers of flux and torque. Here i have used space vector pulse width modulation (SVPWM) technique to control the speed of an induction motor.
Period : 1 Year Team Size:

PROJECT : 2

- 16x2 LCD & SEVEN SEGMENT interfacing to 8051
Rolling message is displayed by interfacing LCD & LED to 8051
Period : 6 Months Team Size: 2
Role : Group Partner

PROJECT : 3

- Design and Simulation of Proposed Multilevel Inverter
The proposed MLI uses only 5 Switches and 4 Sources to generate 7-level of output.
Period : 6 months Team Size: 2
Role : Group Partner

PROJECT : 4

- DC Motor Speed Control

speed is controlled by using single phase Controlled Rectifier, motor is programmed by microcontroller to operate on min. Speed to max. Speed accordingly.

Period : 6 months Team Size: 1

PROJECT : 5

- Design and Simulation of 2-Series Connected Single phase Rectifiers

Two single phase rectifiers are connected in series to achieve more efficiency and to analyse output parameters

Period : 6 months Team Size: 2

Role : Group Partner

PROJECT : 6

- Designing a circuit for Load Commutation of Thyristor

By Generating reverse voltage across the Capacitor which is connected in parallel with Thyristor achieved Load commutation w/o using external commutation components.

Period : 6 months Team Size: 1

Field of Interest

- AC/DC Drives
- Designing of Power Electronics Converters
- Transmission, Generation & Distribution Fundamentals
- SMPS, UPS, Solar PV
- Energy Management, Energy auditing
- Embedded Systems

Skills

- Power Electronics Circuit Designing and Hardwares.
- MATLAB, Keil, Proteus, AutoCAD Electrical,
- Microcontroller & Processors (8051, ATmel, ARM CORTEX M, STM32, AVR series)
- Programming Languages C, embedded C, Python
- Basics of Machine Learning, IOT, PLC, AI

Achievements

- Qualified in Graduate Aptitude Test in Engineering 2017

Curricular Activities

- Training and Placement Co-ordinator, MSU (2019-20)

Strength & Hobbies

- Exceptional Written & Verbal Communication skills
- Ability to follow instructions and deliver quality results
- Successful working in a team environment as well as independently
- Able to Work in shifts
- Problem Solving and Analytical Thinking
- Learn New stuffs
- Gaming

Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.