

## S S SRI HARSHA GANDI

Assistant Professor:EEE

E-mail: - harsha.gsnv199@gmail.com

### **CAREER OBJECTIVE:**

Seeking a position to utilize my skills and abilities in the organization that offers professional growth while being resourceful, innovative and flexible.

### **EDUCATION QUALIFICATION:**

**QUALIFICATION with grade:PG FIRST CLASS WITH DISTINCTION**

**UG FIRST CLASS**

**TOTAL EXPERIENCE :1 YEAR**

### **VIRTUAL SKILLS:**

**SOFTWARES:PSPICE,MATLAB**

**C++**

### **ACADEMIC PROJECTS:**

**Title:POWER FACTOR CORRECTION CUK CONVERTER FED BRUSHLESS DC MOTOR DRIVE**

**DESCRIPTION:**The main objective of this project is to use the best dc to dc converter called cuk converter operated at high frequency of 20 KHZ to control the power factor at source side and also control the speed of the BLDC motor at the load side.BLDC is a unique motor that also uses electronic commutation .

**Title:STUDY OF DIFFERENT TOPOLOGIES FOR MULTILEVEL INVERTERS WITH MINIMUM NUMBER OF SWITCHES (41 LEVEL INVERTER)**

**DESCRIPTION:** The main objective of this project is to study different topologies for multi level inverters and come up with the best topology 41 level inverter using just 9 switches using sinusoidal pulse width modulation technique.

**Title:A HARDWARE PROJECT ON SPEED CONTROL OF DC MOTOR USING FOUR QUADRANT CHOPPER WITH MICROCONTROLLER**

**DESCRIPTION:** The main objective of this project is to operate the dc motor in all modes of operation "FORWARD MOTORING"," FORWARD BRAKING" " REVERSE BRAKING" " REVERSE MOTORING" and also control the speed of dc motor.The above functions are performed by writing a program in kiel software and that program is dumped into the microcontroller.

### **PAPER PUBLICATIONS:**

Published a paper on "POWER FACTOR CORRECTION CUK CONVERTER FED BLDC MOTOR DRIVE" in INTERNATIONAL JOURNAL OF ADVANCED TECHNOLOGY AND INNOVATIVE RESEARCH

**AREAS OF INTEREST:** Power electronics  
Control systems  
Electrical circuit analysis  
Power systems  
Analog and digital electronics

**EXPERIENCE:**

- 1.)worked as assistant professor in GVPCEW from august 6<sup>th</sup> 2016 to till date
- 2.)taught gate classes on power electronics

**ACHIEVEMENTS:**

- 1.) cleared UPSC Examinations for joining NATIONAL DEFENCE ACADEMY to become **Indian Air Force** officer.
- 2.) **Andhra pradesh State level rifle shooter** in the event conducted by National rifle association of India and was adjudged state 10<sup>th</sup> in OPEN SIGHT AIR RIFLE 10 METERS OLYMPIC EVENT.
- 3.) Holding B' Certificate IN NCC with distinctions and WON various prizes IN NCC camps
- 4.) First in science Exhibition in spandana 2011 Conducted by Sri Prakash Education

Institutions.

- 5.) Very good at All Sports Like volley Ball, Shuttle, Chess, Table Tennis and won many prizes at zonal level
- 6.)second in intra college elocution competition,a very good orator
- 7.).Second in English wordpower

**PERSONAL PROFILE: -----**

Name : G.S.S.SRI HARSHA  
Father Name : G.S.NARAYANA  
Mothers Name : G.V.LAKSHMI  
Date of Birth : 20 – 10-1990  
Marital status : Single  
Sex : Male  
Nationality : Indian  
Languages Known : English and Telugu  
Hobbies : Reading motivational books, involving in most of the altruistic activities and help the needy.

**DECLARATION**

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

**[ SRI HARSHA GANDI ]**