**KARRI DEEPTHI KUMAR**

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**Mobile** : +91 8500900278

**Career Objective**

Seeking for a position that provides an opportunity to make a strong contribution to the organisation and where I can further enhance my skills and continue to advance in my career.

**Key Skillset**

* Good in MS.Office .
* Can Manage Operating Systems Like Windows XP,7, 8 &10.
* Good at C Language

**Academic Profile**

* Graduated as Bachelor’s in Technology(Electrical Engineering) from JNTU University with 60% .
* Secured a percentage of 78 in Diploma(EEE) from Bhaskara Polytechinical College .
* Secured a percentage of 56 in SSC Board from ZPH high School .

**Project**

* MINI HYDEL POWER PLANT

This project aims to enhance electric energy generation capacity, especially the share of renewable energy in the country’s energy mix. More specifically, this project will help to

(i) Increase the installed renewable energy generation capacity.

(ii) Increase the rate of access to electricity, especially in rural areas and

(iii)Reduce greenhouse gas emissions by replacing energy generation using small thermal generators with hydroelectric power plants.

* POWER QUALITY IMPROVEMENT USING BRIDGE DIODE BY MULTIPLE OUTPUT SMPS

This deals with the design, analysis, simulation and development of a PFC (Power Factor Corrected) multiple output SMPS (Switched Mode Power Supply) using bridgeless buck-boost converter at the front end. Single-phase ac supply is connected to a bridgeless buck-boost converter to eliminate the diode bridge rectifier for reducing the conduction losses associated with the diode bridge and also to improve power quality at front end. The bridgeless buck-boost converter is designed to operate in DCM (Discontinuous Current Mode) for inherent PFC operation and to reduce the complexity in control. The performance of the proposed bridgeless converter based multiple output SMPS is evaluated under varying input voltages and loads to demonstrate its improved performance. The performance of proposed bridgeless multiple output SMPS is simulated in MATLAB/Simulink environment and the obtained simulated results are validated experimentally on a developed hardware to verify the improved power quality.

**Extracurricular Activities**

* Organized blood donation campaigns and walkathons as a part of Corporate Social Responsibility events.
* Played an influential role as a chief organizer in PRD(IG) related events.
* Actively involved in organizing fund raising events to help educate the poor.

**Personal Information**

S/O :Karri Appala Naidu

Date of Birth : 01th August 1992

Marital Status : Single

Languages Known : Telugu , English,

Hobbies : Cooking, Playing Volleyball, Singing, Travel and explore

Permanent Address : H. No: 2-84,

Old street, Laxmipuram (post),

Sitanagaram mandalam,

Vizianagaram - 535546