RESUME

**Objective**

I am seeking an academic position as a researcher and lecturer in the field of electrical and electronics. Perform research, including teaching courses and supervising student in their academic assignment and research work.

**Educational Qualifications**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **QUALIFICATION** | **PERCENTAGE** | **YEAR OF PASSING** | **BOARD / UNIVERSITY** | **INSTITUTION** |
| M.TECH (EPE) | 79% | 2012-14 | VTU - Bangalore | PESIT - Bangalore. |
| B.TECH (EEE) | 74% | 2006-10 | JNTU-ATP | MITS - MADANAPALLI |
| INTERMEDIATE (10+2) | 85% | 2004-06 | BOI | SSJC -MADANAPALLI |
| S.S.C | 79% | 2004 | C.B.S.E | JNV |

**M.TECH ACADEMIC PROJECT**

**Project Title:** “**DIGITALLY CONTROLLED AUTONOMOUS Li-ion ACTIVE CELL BALANCING, USING ISOLATED RESONANT RESET FORWARD CONVERTER, FOR SPACE APPLICATIONS”**.

Location: ISRO Satellite Centre (ISAC), Bangalore.

**Description:** There is a need for highly efficient and long life battery systems for spacecrafts at various power levels. Balancing is most important that ensures the better life of the battery system. A novel energy converter based active/non dissipative cell equalization method is implemented. This method comprises digitally controlled resonant reset forward converter for individual Li-ion cells connected in series, which is used to transfer the energy from the higher voltage cell to the lower voltage cell. The main objective is to maintain cells in a battery at the same state of charge (SOC), and the voltage.

**B.TECH ACADEMIC PROJECT**

**Project Title:** “**A NEW APPROACH TO OMNI WIND ENERGY SYSTEM TO SAVE HOME ELECTRICITY**”.

**Description:** This project deals about a small wind energy system to save our home electricity.

This offers a safe and clean alternative to conventional fuels.

**Project Title:** A Mini project on*“***THYRISTOR FED PRECISE SINGLE PHASE AC POWER CONTROLLER WITH DIGITAL DISPLAY”**

**Description:** An Application Project using power electronic device as main controlling element for reducing power consumption and for variable speed operation.

**Location:** Madanapalle Institute of Technology and Science (MITS), Madanapalle.

|  |
| --- |
| **Additional experience**  Worked as a **Jr.** **Assistant Professor** at Sir Vishweshwaraiah Institute of Science and Technology (SVTM) - Madanapalle from July 2011 to November 2012.  **Responsibilities:**   * Preparing proper lesson plan, material and utilizing it for the progress of students. * Organized development activities conducted in the college.   **Achievements**   * Submitted a paper in IEEE conference **(ICAECC-14**), on “Digitally Controlled Li-ion Active Cell Balancing, using Resonant Reset Forward Converter, for Space Applications” and the same has accepted. * M.tech project trainee from September-2013 to Agust-2014 at **ISRO, Bangalore.** * Secured 92.67 percentile in GATE-2012 * Secured second in a National level student technical symposium on “**Power quality**”. * Cadet of NCC and received NCC ‘A’ certificate and NSS coordinator. * Have been part of the technical team for the event conducted in the college. * Attended the workshop on “**Open lecture series on advanced science and technology**” in PESIT, Bangalore. * Participated in the national workshop on “**Modeling and control of power** **electronics systems**” in PESIT, Bangalore. * Participated in the TEQIP II sponsored program “**Masters and beyond-2013**” PESIT. * Attended the national workshop on “**Emerging research areas in electrical** **engineering**” conducted by PRDC, in AIT, Bangalore. * Participated in the national seminar on “**Smart grid-technology and Applications** "in BIT, Bangalore. * Attended the conference on “**Women in engineering**” organized by **IEEE PES** Bangalore. |
|  |

**Personal Details**

Name **:** G Rishivathsala

Fathers Name **:** G Siva Shankar Reddy

Date of Birth **:** June 22, 1989

Gender **:** Female

Permanent Address **:** D-No.2/250/E/6/2/A, Reddiescolny, Madanapalle.

Marital Status **:** Single

Nationality **:** Indian

Phone no **:** +918123361450

Email id **:** rishi.durga@gmail.com

**Declaration**

I, here by, declare that all details furnished above are true and correct to the best of my knowledge.

Place: Bangalore

Date: 28 Aug 2014 (**RISHIVATHSALA)**