

## CHINTAMANI PRASAD S

#4, Block 23, Srivatsa,

S B M colony,

Srirampura 2<sup>nd</sup> stage, Mysuru-23

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### CAREER OBJECTIVES

To work in an environment where I can keep enhancing my technical knowledge and skill while contributing effectively to the growth of the organization.

### EDUCATIONAL QUALIFICATION

University / Boards Exam Passed	Institution	Year of Passing	Percentage
B.E. (Electricals and Electronics)	VidyaVikas Institute of Engineering & Technology, Mysuru, Karnataka	2014	65.74%
P.U.C	Marimallappa PU college, Mysuru	2010	79.5%
10 <sup>th</sup> standard	Mahaveer Vidhya Mandir, Mysuru	2008	91.84%

### SKILL SET

**Languages** : C, C++.

**Operating System** : Windows XP/7.

**Other soft skill knowledge** : Auto CAED (Electrical Engineering), MAT Lab.

**Personal Strengths** : Honest and hardworking with Adaptability to work in demanding situation with proper negotiation skills and a good team player.

## **PROJECT DETAILS**

### **TITLE: SOLAR POWERED GSM ASSISTED NON-LETHAL PERIMETER PROTECTION**

**DESCRIPTION:** Electric fencing is one way of managing problematic animals in order to reduce conflict between people and animals. An electric fence is a barrier that uses electric shocks to deter animals or people from crossing a boundary. Most electric fences are used today for agricultural fencing and other forms of animal control, although it is frequently used to enhance the security of sensitive areas, such as military bases, prisons, and other security sensitive places. The model used here is solar powered which enables us to use this fencing even in remote areas and places where there is no continuous power supply. Also by using the GSM module, the fence can be switched on and off from anywhere in the world using a mobile phone. This gives the owner or the farmer who owns the land control over his land to prevent the trespassing of any animals or human beings. Even though power supply of 1000 volts is given to the fence it will not cause any harm to life as it is pulsating supply, once the animal gets a shock it will have enough time to get away before the next strike. The safety aspects and precautions to protect humans and animals are considered here.

## **MINI-PROJECT**

### **TITLE: DISH ANTENNA ALIGNMENT SYSTEM**

**DESCRIPTION:** In regions of high altitude the dish antenna which are in link with the satellites cannot be aligned manually due to the cold which is not bearable for human beings. This antenna alignment system can be used to set the receiver of the dish in the direction where the satellite is present in the earth's orbit. At start when it is turned ON the dish comes to a pre-specified angle after which it tracks the satellite that it is coupled with by searching for the signal from it. This helps in the reduction of man power required for alignment purpose and prevents any damages caused to man power.

## **SEMINAR**

### **TITLE: SUPERCONDUCTING MAGNETIC ENERGY STORAGE SYSTEM**

**DESCRIPTION:** Energy Storage for transmission grid applications has been gaining importance in the last few years. A variety of storage technologies are in the market but the most viable are Compressed Air Energy Storage (CAES) systems, battery energy storage systems (BESS) and Pumped storage Hydroelectric systems and superconducting magnetic energy storage (SMES). CAES have been used mainly for load levelling purpose. The efficiency of CAES is less than 70%. Some of the disadvantages of Pumped Hydroelectric are large unit sizes, topographic and environmental limitations. BESS are presently used in some applications. However, some of its disadvantages include limited life cycle, voltage & current limitations and potential environmental

hazards. SMES storage systems can be used to inject both active and reactive power into the grid simultaneously and its efficiency is also about 98%. The only requirement for SMES system is the cryogenic system which is used to cool down the coil to a temperature below '1K to 125K' to reduce the resistance of the conductor or coil to a value nearly equal to zero ( $1-6 \mu\Omega$ ) which is negligibly small and the losses in the coil will be negligible when compared to usual coils. One more advantage is that its response time is too low, hence faster operation is possible and any number of charging and discharging can be carried out without causing any damage to the environment. Thus by using SMES system energy can be stored for a long time without any losses in the energy stored.

### EXTRA-CURRICULAR ACTIVITIES

- 1) Participated in **ROBOTICS WORKSHOP** conducted by Technophilia in April 2012.
- 2) Participated in **AAVISHKAR-2013**, a state level project competition, presenting project on **DISH ANTENNA ALIGNMENT SYSTEM** in 2013.
- 3) Internship at **VAJAMANGALA** in 2013.

### WORK EXPERIENCE

- 1) As **Assistant Executive Engineer** (Trainee Energy Auditor) at **eTESTER Electrical Solutions Mysuru** (From March to May 2015)
- 2) As **SHIFT Engineer and SITE Engineer** for projects at **JK ELECTRICALS Mysuru** (From 2015 to Till date)

### PERSONAL DETAILS

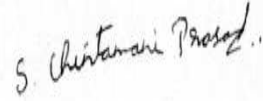
- Name : **Chintamani Prasad S**
- Father's Name : **Prasad C S (Rtd Dy.Manager)**
- Mother's Name : **Kusuma Prasad**
- Date of Birth : **23/03/1992**
- Nationality : **Indian**
- Languages Known : **English, Kannada, Hindi, Telugu and Tamil.**
- Hobbies : **Playing Carrom and playing PC game.**

## DECLARATION

I Chintamani Prasad S, hereby declare that the above furnished information is authentic to the best of my knowledge.

**Date:**

**Place:** Mysuru



**(CHINTAMANI PRASAD S)**