

## **Shankar B S**

Email id:shankarguru041@gmail.com

Contact number: 8884347659

### **Career Objective:**

To have an opportunity to work in an organization which encourages me to learn and impart knowledge on present and upcoming technology.

### **Educational Qualifications:**

COURSE	BOARD/UNIVERSITY	SCHOOL/COLLEGE	YEAR OF PASSING	%/CGPA
BE(Electrical and Electronics)	Visvesvaraya Technological University	Acharya Institute of Technology Bengaluru-107	2020	Awaiting for results
Diploma (EEE)	Board of Technical Education	SJM Polytechnic Challakere-577522	2016	68.79%
S S L C	Karnataka Secondary Education Examination Board	Government High School Kaparahally	2011	64.96%

### **Technical Skill:**

- Microsoft office
- AutoCAD Basic
- MATLAB

### **Internship:**

#### **MANUFACTURING AND ASSEMBLING OF PCB**

The internship consists of experiences and knowledge gained at INCAP TUMKURU on various aspects of MANUFACTURING AND ASSEMBLING OF PCB. Technical exposure towards manufacture of a PCB in an industry of such standard was very useful. The primary incentive is to make sure that the PCB meets the manufacturing specification. Technical knowledge on important aspects of material procurement for manufacturing, fabrication and testing of PCB as per the design and Indian Standards was a very useful experience. The knowledge and exposure gained are present in this internship report systematically.

### **Engineering Project**

#### **“DESIGN AND IMPLEMENTATION OF ZVT BASED CHARGER FOR ELECTRIC VEHICLES”**

The battery plays a major role in electric vehicle (EV) and for that on-board battery charger is essential. Therefore, this project focuses on the design of on board charging circuit for EV. The proposed charger circuit comprises of diode bridge rectifier, interleaved boost DC-DC converter and single-phase DC-AC inverter. The design and operation of interleaved boost converter is discussed. Single phase DC-AC inverter is modelled and analysed with different modulation techniques. From the comparison, the sinusoidal PWM (SPWM) is chosen for the proposed network. Inductive power transfer (IPT)

technology is used for the charging of EV batteries. A simulation study of the proposed charger circuit is carried out in MATLAB/SIMULINK and validate for the simulation results.

**PERSONAL INFORMATION:**

Name	: SHANKAR B S
Father's Name	: SOMASHEKARA B L
Mother's Name	: RATNAMMA
Date of birth	: 27-04-1996
Gender	: Male
Nationality	: Indian
Languages Known	: English, Kannada.
Permanent address	: Kaparahally village and post Challakere (tq) Chitradurga (D) Karnataka 577522

**DECLARATION:**

I hereby declare that the above-mentioned details are true to the best of my knowledge and I bear responsibility for the correctness for the above mentioned particulars.

Date: 30-09-2020

Place: Bengaluru

Shankar B S