



WORK OFFER

Ref. No. IN-2019-1313-MU

Employer Information

Employer:

Website:

Location of placement: Manipal
Nearest airport: Mangalore
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 500

Business or products:

Student Required

General Discipline: 14C-ELECTRICAL AND ELECTRONICS
ENGINEERING

Completed years of study: 3

Field of Study: 14.1001-Electrical and Electronics Engineering

Language required: English Excellent

Required Knowledge and Experiences:

Power Electronics & Working knowledge of MATLAB / SIMULINK

Other requirements:

Work Offered

This project entails a design and simulation of DC/DC boost converter. This system has a non-linear dynamic behavior, as it works in switch-mode. Moreover, it is exposed to significant variations which may take this system away from nominal conditions, due to changes on the load or on the line voltage at the input. The input usually is obtained by a photovoltaic array and therefore, the design and simulation in this paper covers the whole range of radiations and temperature. In this paper, we analyze the equations of a boost converter and propose design components and simulation of DC/DC boost converter. This work is applied to a photovoltaic system for tracking the point of maximum power.

Number of weeks offered: 6 - 8

Working environment: Research and development;Office work;Field work

Within the months: 07-MAY-2019 - 30-NOV-2019

Gross pay: 7,000 INR / Month

Or within: -

Deduction to be expected: 15%

Holidays: -

Payment method / frequency: /

Accommodation

Canteen at work: Yes

Expected type of accommodation: Student dormitory

Estimated cost of lodging: 0 INR / Month

Accommodation will be arranged by: IAESTE India LC Manipal

Estimated cost of living incl. lodging: 4,500 INR / Month

Additional Information

Nomination Information

Deadline for nomination: 31-MAR-2019

Please send nominations by Exchange Platform

Date: 23-JAN-2019

On behalf of receiving country:

Krushn Bhuta