



WORK OFFER

Ref. No. IN-2019-1335-KU

Employer Information

Employer:

Website:

Location of placement: Coimbatore
Nearest airport: Coimbatore International Airport
Working hours per week: 45.0
Working hours per day: 8.0

Number of employees: 600+
Business or products: Institute

Student Required

General Discipline: 14C-ELECTRICAL AND ELECTRONICS
ENGINEERING

Completed years of study: 2

Field of Study: 14.1001-Electrical and Electronics Engineering

Language required: English Excellent

Required Knowledge and Experiences:

Other requirements:

MATLAB

Work Offered

Title 1: Design and Simulation of Advanced Power Converter for Renewable Energy Applications: A study and simulation of advanced power converters such as super lift converter / Three Stage Multilevel inverter with solar or wind or hybrid renewable system to obtain reduced THD. Elimination or minimization of lower order harmonics can be achieved with these modern converters for better reliability of the system.

Title 2: Design of Solar based Lantern / High Bright LED Torch for Villagers: The aim is to design a solar based lantern for high bright LED torch light for villagers to use in forests or for agricultural purpose. A new MPPT method to be adopted for this solar PV system with battery energy management.

Title 3: Design and Simulation of Solar based Water Pumping for Agricultural Purpose using IOT The objective of this work is to develop a mathematical model or simulation model or hardware design for a Rock Picker which will be useful in agricultural or play ground field. For simulation and analysis MATLAB has to be used.

Number of weeks offered: 12 - 12

Working environment: Research and development

Within the months: 10-SEP-2019 - 03-DEC-2019

Gross pay: 8,000 INR / Month

Or within: -

Deduction to be expected: 0%

Holidays: -

Payment method / frequency: /

Accommodation

Canteen at work: Yes

Expected type of accommodation: Hotel

Estimated cost of lodging: 5,000 INR / Month

Accommodation will be arranged by: IAESTE India LC KU

Estimated cost of living incl. lodging: 8,000 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