



WORK OFFER

Ref. No. IN-2021-C0105-MU

Employer Information

Employer: Manipal Institute of Technology
Aeronautical & Automobile Engg
1st Floor, Academic Block-4, MIT, Manipal
576104 Manipal
India

Website: <http://www.manipal.edu>

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: Educational Institute

Student Required

General Discipline: ELECTRICAL AND ELECTRONICS ENGINEERING; MECHANICAL ENGINEERING; CHEMISTRY AND CHEMICAL ENGINEERING
Completed years of study: 2

Field of Study: Aerospace, Aeronautical and Astronautical/Space Engineering.; Chemistry, General.
Student status requirements: Required throughout the Internship

Language required: English Excellent (C1, C2)

Required Knowledge and Experiences:

Good knowledge of any computer programming language (preferably Python) and better understanding of Aerodynamics of Wind Turbine.

Other requirements:

Work Offered

Implementations of Horizontal and Vertical axis wind turbines for Aerial Wind Energy

One of the greatest challenges humanity will face this century is adapting to extreme weather events, rising sea levels, and their associated economic and ecological impact. The impetus towards post-disaster mitigation strategies has led to the development of novel electricity generation systems that have the potential to power first-aid clinics, small communities, and telecommunication systems. To this aim, an aerial wind energy generator has been designed to function as a decentralised power system capable of providing reliable electricity. The present innovation has the potential to provide energy to several areas in need, thus benefiting millions of lives. The Student is expected to complete the design modifications and analysis and testing of wind turbines for the applications of aerial purposes by incorporating the merits and demerits of wind turbines through computational & wind tunnel techniques.

Outcomes of the Project:

1. The innovative design concept for aerial wind turbines
2. Usages of convectional wind turbines for aerial purposes
3. Development of a new algorithm for aerial wind turbine Journal Publication and Possible patent application

Expected Results: Innovated design concept application and product development.

Remote Work Plan:

1. The intern is expected to work at least 5 hrs daily.
2. The intern is required to give weekly work updates over any suitable online platform.

Number of weeks offered: 12 - 12
Working environment: Research and development

Within the months: 01-MAY-2021 - 01-OCT-2021
Gross pay: 7000 INR / Month

Or within: -
Deduction to be expected: 15%

Company closed within: -
Payment method / time of first payment: Cash /

Latest possible start date:

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: 4500 INR / Month

Additional Information

The option of Work from Home is available for this offer. If the intern chooses to work from home, the available dates of the internship are from May 2021 - December 2021, and there will be no stipend provided. However, in the case where the intern opts to intern at the employer's address, a stipend will be provided for the period of internship with respect to the dates mentioned in the Work Offered Field.

Nomination Information

Deadline for nomination: 15-MAR-2021

Date: 24-JAN-2021
On behalf of receiving country: C Mrinal Ganapathy



IAESTE INDIA

Declaration

Name:

Offer Number:

Country:

Preferred mode of internship: Conventional

Remote

I hereby declare that I am willing to pursue my internship in obedience to the above-selected mode.

Date (dd/mm/yyyy):

Signature:

Note: The candidate must include this form as the last page of the nomination document for hybrid offers.

INTERNSHIPS

OFFERED THROUGH IAESTE INDIA LC MANIPAL

Manipal Academy of Higher Education is one of India's leading academic and research institutions. It has been granted Institution of Eminence status by the Ministry of Human Resource Development, Government of India. IAESTE India LC Manipal, the flagship student exchange program of Manipal University, is a fully supported student-run organization by Manipal University and its constituent colleges. It has been instrumental in providing a plethora of opportunities for students to enhance their careers by pursuing technical internships abroad since its inception in 2005.

Our reception events:



Namaste Manipal, our flagship event is an exhibition of our values, culture, and heritage organized for our interns for a remarkable experience in Manipal and India. Atithi Devo bhava, Sanskrit for "Guest is equivalent to God," is exemplified in the week-long celebration that is Namaste Manipal. Each year in August, the idyllic South Indian university town of Manipal witnesses something truly spectacular.

Given below is a short description of each event.



Sanskriti:

We celebrate the culture and heritage of India with a night where the interns dress in elegant sarees and vibrant kurtas, enjoy local food, and experience local practices such as henna art and a game of tambola. There is a photo booth with traditional props, fun games such as the saree draping, where participants walk the ramp in a saree, and decorative rangolis. The night comes to an end with a dance followed by a rich Indian meal.



Bollywood night:

The Bollywood Dream- portrayal of extravagant Indian culture through its music, dialogue, and dance steps. It's all about experiencing the hype, enthusiasm, and traditions of the Indian Cinema. From a showdown of perfect dialogue delivery to experiencing the glitz and glamour of a Bollywood movie star, this event has it all. Everyone lets loose for a night of karaoke and dance, celebrating Bollywood through its iconic songs and dance moves.



International Cuisine Night:

A night full of fun, laughter, and trays full of mouth-watering food prepared by the interns themselves. We celebrate the common ingredient of love in dishes from different parts of the world. They say the best way to a person's heart is through food and this event is something that foodies look forward to. We prepare dishes from our countries and then enjoy a family-style dinner where we get to taste food from around the globe!



IAESTE Ball:

Knot up your ties, and throw on your dresses for one of the most memorable nights of Namaste Manipal. Be prepared for the dance face-offs because the best will be crowned. A night full of dance, music and fun, with games for both you and your partner to enjoy. A night like no other, you will be begging for more.

And many more...



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REMOTE INTERNSHIPS

OFFERED THROUGH IAESTE INDIA

IAESTE India is now offering remote internship opportunities through our partner universities. These universities are among the top-ranked institutions in the country and each internship will be closely supervised by an experienced professor.



Communication between trainee and guide will be through Online platforms such as Skype, Microsoft Teams, Google Meet etc. The guide will be in touch regularly to discuss the project and ensure a positive learning outcome.



Majority of the softwares/packages used for the projects will be open-source else licenses will be provided.



All the offered projects are industry-relevant and are great for enhancing domain-specific skill sets.



There is also a possibility of the trainee being able to contribute to a research publication.



Trainee will receive an IAESTE Certificate post the successful completion of the in internship.



Trainee will be a part of various remote events such as Scavenger Hunt, Bollywood Night, Talent Night, Virtual Tour, Games Night, etc. organized throughout their internship.



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