



WORK OFFER

Ref. No. IN-2021-D1423-MJ

Employer Information

Employer: Manipal University Jaipur
Research and development
Manipal University Jaipur
303007 Jaipur
India

Website: jaipur.manipal.edu

Location of placement: Jaipur
Nearest airport: Jaipur Airport
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 450
Business or products: Education

Student Required

General Discipline: CIVIL ENGINEERING, GEOLOGY AND MINING
Completed years of study: 2

Field of Study: Civil Engineering, General.;Structural Engineering.;
.Construction Engineering.
Student status requirements: Required throughout the Internship

Language required: English Excellent (C1, C2)

Required Knowledge and Experiences:

Good knowledge of Engineering Mechanics is required. Good command over python is preferred.

Other requirements:

The trainee should bring a laptop for the entire Internship period.

Work Offered

One of the most important causes of bridge failure is the design and structural deficiencies of bridge bearings. Recently, typical bridge bearings with the reinforcement of steel or fibre have been widely used in the base isolation system. Especially for fibre-reinforced rubber bearings, they offer numerous benefits as higher stiffness and strength, more flexibility, and decrease of transport and fabrication costs. Gathering insights fundamental to performance benchmarking, including the development of vibration-based condition monitoring, inspecting predictive bridge component maintenance would be the main fulcrum of the project. The intern would also have to review relevant research papers and submit a final report on the objective mentioned above.

Learning Outcomes:

1. To design bridge bearings for continuous deck bridge to reduce the damages due to seismic effect.
2. To develop the performance of these common bearings to obtain their superior physical and mechanical properties (e.g. lightweight, higher stiffness, better impact resistance, and vibration attenuation).
3. Analyzing the use of metamaterials(periodic structures) in the bearings for better results.

If the intern chooses to work from home:

1. The intern needs to devote at least 5 hours per day to develop tasks.
2. Weekly meetings will be set up to follow up on the progress of the work using suitable online platforms.
3. The intern shall be provided with existing resources for their aid.
4. Due to the time zone difference, the intern is expected to be flexible with meeting timings.

Number of weeks offered:	10 - 12	Working environment:	Research and development
Within the months:	01-JUL-2021 - 30-SEP-2021	Gross pay:	5000 INR / Month
Or within:	-	Deduction to be expected:	0%
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 MUJ	Estimated cost of living incl. lodging:	5000 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 July 2021 to 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: 23-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 MUJ

Manipal University Jaipur (MUJ), situated in the desert state of Rajasthan, is an oasis of education and has a sprawling new campus with opportunities spread across disciplines. MUJ has redefined academic excellence in the region with the Manipal way of learning, one that inspires students of all fields to learn and innovate through hands-on practical experience. MUJ boasts of its world-class infrastructure, including state-of-the-art research facilities and a modern, digital library. In line with Manipal University's legacy of providing quality education to its students, the campus uses the latest technology to impart education and render an excellent working environment.

Our reception events:

The Himalayan Challenge:



The Himalayan Challenge is the flagship event of LC MUJ, organized for our adventure-seeking interns. A week full of electrifying adventurous activities and treks amidst the magnificent Himalayan ranges, socializing, partying, stargazing, and making memories of a lifetime – this is what we plan to offer to all the incoming interns who would be joining us on this expedition. Equipped with expert trekkers and guides, so you receive first-hand information and unique insights about the Himalayas. You will also be a part of the out-of-the-box events organized like yoga, starry bonfires, and Bollywood party nights. Other activities that are equally fascinating are getting familiar with the culture and heritage, trying out new delicacies, and visiting various monasteries and temples. Escape into the mountains and find yourself, soak in the adventure as you make unforgettable memories of the best summer of your life!

International Cultural Evening:



It's an evening showcasing the diversity of various regions of India through their indigenous dance and folk music performed by various clubs of Manipal University Jaipur. This event will take the interns on a spectacular journey and will allow them to experience the exquisite and rich culture of India. The interns will be introduced to the Vice-Chancellor of Manipal University Jaipur and will be honored in the authentic Rajasthani style by presenting them with Safas and Dupattas. The interns will also be felicitated for their dedicated hard work under the guidance of their mentors.

Cross Culture Culinary Event:



Scrumptious? Appetizing? Exquisite? Mouthwatering? Delightful? Voluptuous?

These are nothing but just words compared to the heavenly cuisines that our interns will get a chance to make in the Cross Culture Culinary Event. In this event, our interns will cook their favorite dishes from their country with the help of the state-of-the-art kitchen at MUJ and students of the Hotel Management Department. The food will be judged by the management of MUJ, followed by a gala lunch and cultural event.

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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