



REMOTE WORK OFFER

Ref. No. IN-2020-41105-MJ

Employer Information

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

Website: jaipur.manipal.edu

Location of placement: Jaipur
Working hours per week: 40.0
Working hours per day: 8.0
Remote Offer Type: Combined

Number of employees: 450
Business or products: Education

Student Required

General Discipline: 11-COMPUTER AND INFORMATION SCIENCES
14C-ELECTRICAL AND ELECTRONICS
ENGINEERING

Completed years of study: 2

Field of Study: 11.0103-Information Technology.
11.0202-Computer Programming, Specific
Applications.
14.1099-Electrical, Electronics and Communications
Engineering, Other.
14.XX02-Embedded Systems

Student status requirements: Required during entire period of internship

Language required: English Excellent

Required Knowledge and Experiences:

The trainee should bring a laptop for the entire Internship period. A good knowledge in Python/Java is required.

Other requirements:

Work Offered

The project will focus on the design and implementation of lightweight cipher for encryption of sensory data sensed by sensors placed at the physical layer of an IoT application. The encrypted data will be decrypted at the Fog layer/Network layer before sending it to the cloud. The work would be segregated for the first two weeks with Lightweight Cipher Design, the third week would focus on Cipher Implementation. The fourth week would focus on Sensor connectivity and communication through Raspberry Pi, Arduino, etc, and the remaining weeks would focus on the Deployment of server in a real-time environment. The intern is expected to implement the objective of the project and prepare a report based upon the learnings.

If the intern wishes to work from home:

1. We need you to be able to devote at least 5 hours per day to develop tasks.
2. We will set up weekly meetings to follow up on the progress work using Skype.
3. You shall be provided with the existing resources and video lectures for your aid.
4. As they may exist time zone differences, we expect you to be flexible with meeting timings.

Number of weeks offered: 8 - 8

Within the months: 01-SEP-2020 - 15-NOV-2020

Or within: -

Company closed within: -

Gross pay: 5000 INR / Month

Deduction to be expected: 0%

Payment method / time of first payment: Cash /

Latest possible start date:

Additional Information

The option of Work from Home is available for this offer. In the case where the intern chooses to work from home, 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.

Nomination Information

Deadline for nomination: 25-AUG-2020

Date: 19-AUG-2020 **On behalf of receiving country:** Siddharth Chadha

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.



Trainee would be expected to devote the number of hours per day as mentioned on the offer form. If not specified, then it would be an average of four hours per day, five days a week.



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 and a Letter of Recommendation post the successful completion of the internship.



IAESTE
INDIA



iaeste.in



[/iaesteindia](https://www.facebook.com/iaesteindia)



[/iaeste_india](https://www.instagram.com/iaeste_india)



[/iaeste-india](https://www.linkedin.com/company/iaeste-india)