



## WORK OFFER

Ref. No. IN-2020-39019-MU

---

### Employer Information

**Employer:** Manipal Institute of Technology  
Department of Aeronautical & Automobile Engineering  
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:**

---

### Student Required

**General Discipline:** 11-COMPUTER AND INFORMATION SCIENCES  
**Field of Study:** 11.0101-Computer and Information Sciences, General.

**Completed years of study:** 3  
**Student status requirements:** Student status required during internship

**Language required:** English Good

**Required Knowledge and Experiences:**  
Knowledge of Computer network, security and protocol.

**Other requirements:**

---

### Work Offered

IoT based automatic Blood Pressure system:  
Cardiovascular diseases are now one of the leading causes of death all over the world and arterial hypertension is one of the leading causes of cardiovascular diseases. According to a report by the World Health Organization (WHO), over a third of all the adults in the world have higher than normal blood pressure. Thus, Blood pressure is one of the most important indicators for human health in today's world. Arterial pressure is measured using oscillometric method and by using the obtained systolic and diastolic pressures an IoT device can be developed. These values are updated through Wi-Fi on to a data base, which can be accessed remotely. The results are then compared to already commercially available blood pressure monitors.

**Number of weeks offered:** 6 - 8  
**Working environment:** Research and development

**Within the months:** 01-SEP-2020 - 15-NOV-2020  
**Gross pay:** 7000 INR / Month

**Or within:** -  
**Deduction to be expected:** 15%

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

**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

For more information about the local committee: <http://explore.iaeste.in/mu>

---

### Nomination Information

**Deadline for nomination:** 15-MAR-2020

---

**Date:** 03-FEB-2020      **On behalf of receiving country:** Siddharth Chadha