



## WORK OFFER

Ref. No. IN-2020-21431-KU

### Employer Information

**Employer:** Faculty of Mechanical Engineering, Karunya Institute of Technology and Sciences  
Mechanical Engineering  
Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore, Tamil Nadu, India  
641114 Coimbatore India

**Website:** www.karunya.edu

**Location of placement:** Karunya Institute of Technology and Sciences, Coimbatore  
**Nearest airport:** Coimbatore International Airport  
**Working hours per week:** 40.0  
**Working hours per day:** 8.0

**Number of employees:** 600  
**Business or products:** Educational

### Student Required

**General Discipline:** 14D-MECHANICAL ENGINEERING  
**Field of Study:**

**Completed years of study:** 3  
**Student status requirements:** Required during the internship.  
**Language required:** English Excellent

**Required Knowledge and Experiences:** Student should have knowledge in Simulation, Modelling, Analysis software.  
**Other requirements:**

### Work Offered

Pyrolysis oil, sometimes also known as biocrude or bio-oil, is a synthetic fuel under investigation as substitute for petroleum. It is obtained by heating dried biomass without oxygen in a reactor at a temperature of about 500 Å°C with subsequent cooling. Students can work in biomass laboratory/ thermal engineering laboratory/energy park available in department of Mechanical Engineering. They can work in the area of alternate fuel, engine testing, emission testing and extraction of pyrolytic oil. They can also work in the area of solar water purification .

**Number of weeks offered:** 12 - 12  
**Working environment:** Research and development  
**Within the months:** 01-JAN-2021 - 01-MAY-2021  
**Gross pay:** 8000 INR / Month  
**Or within:** -  
**Deduction to be expected:** 0  
**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:** 5000 INR / Month  
**Accommodation will be arranged by:** IAESTE LC-Karunya  
**Estimated cost of living incl. lodging:** 8000 INR / Month

### Additional Information

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

### Nomination Information

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

**Date:** 02-FEB-2020  
**On behalf of receiving country:** Siddharth Chadha