# IAESTE INDIA

## WORK OFFER

*Ref. No.* IN-2020-30514-MU

### Employer Information

*Employer:* Manipal Institute of Technology
Biotechnology

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:* 26-BIOLOGICAL AND BIOMEDICAL SCIENCES
*Field of Study:* 26.0202-Biochemistry.
26.1201-Biotechnology.

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

*Language required:* English Excellent

*Required Knowledge and Experiences:*
Biochemistry, Molecular Biology, Microbiology

*Other requirements:*

### Work Offered

Chitinase are the group of enzymes that are responsible for hydrolyzing chitin into oligomers. The hydrolysis on the industrial scale is normally performed by using chemicals which not only create a random pattern but also add to the environmental burden of pollution. In this project, the student would be expected to treat the chitin available in the lab with chitinase and check for the pattern of hydrolysis using the techniques of TLC, HPLC and mass spectrometry. The techniques have to be established hence the biochemistry and the molecular biology aspect of enzymes is expected from the student as the student will be optimizing the purification protocol of the enzyme and then subjecting these purified enzyme for digestion.

*Number of weeks offered:* 6 - 8
*Within the months:* 01-JUN-2020 - 15-NOV-2020
*Or within:* -
*Company closed within:* -
*Latest possible start date:*

*Working environment:* Research and development
*Gross pay:* 7000 INR / Month
*Deduction to be expected:* 15%
*Payment method / time of first payment:* /

### Accomodation

*Canteen at work:* Yes
*Expected type of accommodation:* Student dormitory
*Accommodation will be arranged by:* IAESTE India LC Manipal

*Estimated cost of lodging:* 0 INR / Month
*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:* 31-JAN-2020 *On behalf of receiving country:* Siddharth Chadha