



INTERNSHIP OFFER IN-2025-B1430-KU

Karunya University, India

ON-SITE

INTERNSHIP HOST

Name of Company
Karunya University
Mechanical Engineering

Website
<http://www.karunya.edu>

Address of Company
Coimbatore
India

Number of Employees
400

Business or Product
University

STUDENT REQUIRED

General Discipline
Mechanical Engineering

Field of Study

Completed Years of Study
3

Language Required
English Excellent (C1, C2)

Required Qualifications and Skills
Data Analysis | Additive Manufacturing |
3D Design | .NET
The intern should have knowledge related
to 3D printing, materials science, and
composite materials.

Student Status Requirements
Student status required throughout the
internship

Other Requirements/Information

INTERNSHIP OFFER

8 - 12
weeks

10000 INR
per Month

5000 INR
per Month

Latest Possible Start Date
29-Sep-2025

Within Months
Jul-2025 - Nov-2025

Company Closed Within
-

Deductions Expected
0

Payment Method
Cash

Arranged by
IAESTE- LC KARUNYA

Estimated Cost of Living including Lodging
8000 INR / Month

Working Environment: Research and development

Working Hours / Week: 40.0

Composite Catalyst: Advancing 3D Printing with ABS Glass Fiber

Overview:

Delve into the cutting-edge intersection of 3D printing and advanced materials. This internship offers a unique opportunity to contribute to pioneering research that optimizes ABS glass fibre composites, transforming additive manufacturing through enhanced mechanical properties and print quality. You'll gain hands-on experience in material testing, 3D printing optimization, and comprehensive characterization of composite behaviour.

Objectives:

- 1) Develop and optimize ABS glass fibre composites, maximizing their performance in 3D printing.
- 2) Investigate the intricate material behaviour of composites, fostering a deeper understanding of their properties.
- 3) Explore sustainable additive manufacturing practices by evaluating eco-friendly materials.

Outcomes:

- 1) Acquire invaluable expertise in 3D printing and advanced materials, solidifying your technical prowess.
- 2) Contribute to groundbreaking research and potentially publish findings, boosting your professional credibility.
- 3) Gain a competitive edge in the rapidly evolving 3D printing industry, equipping you with sought-after skills.

Intern's Responsibilities:

- 1) Collaborate in material testing and characterization, driving composite development.
- 2) Refine 3D printing parameters, ensuring optimal print quality and performance.
- 3) Engage in data collection and analysis, contributing to the research process.

ADDITIONAL INFORMATION

This offer is from the Department of Mechanical Engineering and the intern's field of research would be Composite Catalyst: Advancing 3D Printing with ABS Glass Fiber.

Deadline for Nomination - 15-Mar-2025