



**राष्ट्रीय उन्नत विनिर्माण प्रौद्योगिकी संस्थान**  
समविश्वविद्यालय (विशिष्ट श्रेणी)  
हटिया, राँची - 834 003, झारखण्ड  
**NATIONAL INSTITUTE OF ADVANCED MANUFACTURING TECHNOLOGY**  
Deemed to be University (Distinct Category)  
Hatia, Ranchi - 834 003, Jharkhand

**Department of Foundry and Forge Technology**

**Sub: Summer Internship Programme for B.Tech/B.E Students**

**Objective:** To provide summer internship opportunities to B.Tech students, studying in 2nd, 3rd, and 4th year in reputed academic institutions. The internship aims to offer practical exposure and technical insight into the core areas of **Foundry and Forge Technology**, with a focus on **Production and Industrial Engineering** and **Mechanical/Metallurgical domains**. The internship will enhance practical exposure and technical understanding in real-world applications.

**Period of summer internship:** 4 to 6 weeks starting from **01-06-2025**

**Areas of Internship:**

- Foundry Technology
- Forge Technology
- Solidification and Flow Simulation
- Die Design
- Methoding and Gating Design of Casting
- Defect Analysis and Quality Control
- Heat Treatment related to Cast and Forged Products
- Industrial Engineering Applications in Foundry and Forge
- Process Planning and Optimization
- Machining, Welding and Thermal Engineering
- Supply chain management and operation research
- Smart and Digital Manufacturing in Metal Casting and Forming

**Eligibility Criteria:**

1. Students currently in **2nd, 3rd, or 4th year** of **Mechanical Engineering / Metallurgical and Materials Engineering / Production and Industrial Engineering** or allied disciplines from AICTE/UGC approved Institutes.
2. **Bio-data/Resume/CV** must be submitted in a simple format along with a **recommendation letter** from the **Head of Department/Institute/University**.
3. Applicants must **mention their preferred area(s) of interest** and may indicate the **faculty member(s)** they wish to work with, as listed on the departmental section of the website: [www.niamt.ac.in](http://www.niamt.ac.in)
4. **Last date for application submission: 31-05-2025.**

**Fellowships, Training Fees and Accommodation Details:**

- **No fees or charges** are applicable for participation.
- **No financial support** will be provided by NIAMT Ranchi during the internship.
- **Food facility** may be availed in the hostel on a **payment basis**.
- **Free accommodation** may be provided in the hostel **based on availability**.

**Application Procedure:**

Eligible and interested candidates must **submit their resume along with Annexure-I** by email to **hodfft@niamt.ac.in** before the deadline mentioned above.

## **Annexure-I**

### **Sub: Summer Internship Recommendation**

Sir/Madam,

Mr./Ms. \_\_\_\_\_ (Roll/Registration No. \_\_\_\_\_) is a bonafide student of \_\_\_\_\_ (Name and address of the Institute/College), affiliated to \_\_\_\_\_ (Name of the University), and is currently studying in \_\_\_\_\_ year in the Department of \_\_\_\_\_ of this Institute/College.

Mr./Ms. \_\_\_\_\_ is a student of our department and bears a good moral character and conduct.

**Signature**

Head of Department / Competent Authority  
Institute / University