



Campus Recruitment Notice – Atharva Foundries – Class of 2026

Registration Open

Company: Atharva Foundries Pvt. Ltd.

The Training & Placement Office invites **eligible and interested students** to register for the **campus recruitment opportunity in Foundry Operations** through the Training & Placement Office.

Available Job Roles

1. **Junior Coreshop Engineer**
2. **Junior Quality Engineer / Inspector**
3. **Junior Moulding Engineer**
4. **Junior Melting Engineer**

Job Details:

- **Designation:** Junior Engineer
- **Job Location:** MIDC, Waluj, Maharashtra
- **CTC:**
 - ₹3.49 LPA (with PF)
 - ₹3.75 LPA (Non-EPF option)
- **Selection Process:**
 - Resume Shortlisting
 - Technical Assessment
 - Technical Interview

Eligible Branches:

- Mechanical Engineering
- Metallurgical & Materials Engineering
- Electrical Engineering
- ECE

Eligible and interested students are required to **register through the following Google Form link on or before 11.03.2026 (4:00 PM)**.

Registration Link: <https://forms.gle/jd7LVbitHPDkqMSk6>

Note:

- Only registered candidates will be considered for the recruitment process.

A job description for a fresher mechanical engineer in the foundry sector focuses on on-the-floor training, production assistance, quality control, and understanding the casting process.

1. Job Title: Junior Mechanical Engineer – Foundry

1. Job Overview

We are seeking a motivated Fresher Mechanical Engineering graduate to join our foundry operations team. This is a hands-on, shop-floor role designed to gain experience in melting, molding, Coreshop, Patternshop, Quality processes. The ideal candidate will assist in production, ensure quality standards, and learn to troubleshoot casting defects.

2. Key Responsibilities

- **Production Support:** Assist with daily foundry operations, including melting, molding, pouring, shakeout, and fettling.
- **Quality Inspection:** Support the Quality Control (QC) team by checking casting dimensions, hardness, and conducting visual inspections to ensure products meet standards.
- **Defect Analysis:** Learn to identify and analyze casting defects (e.g., blowholes, shrinkage, sand inclusions) and assist in implementing corrective actions.
- **Process Monitoring:** Monitor production parameters to ensure compliance with Standard Operating Procedures (SOPs).
- **Maintenance Support:** Assist the maintenance team with preventive and breakdown maintenance of machines like induction furnaces, molding machines, and cranes.
- **Documentation:** Maintain daily production logs, inspection reports, and data entry.
- **Safety Adherence:** Ensure 5S and safety practices are followed on the shop floor.

3. Required Skills & Qualifications

- **Education:** B.E. / B.Tech / Diploma in Mechanical Engineering (Freshers are welcome).
- **Technical Skills:** Basic understanding of manufacturing processes, metallurgy, casting, and material science.
- **Software Skills:** Proficiency in MS Office (Excel, Word) for reporting; basic AutoCAD knowledge is a plus.
- **Soft Skills:** Good communication, teamwork, and a strong willingness to learn on the shop floor.

4. Preferable Knowledge (Added Advantage)

- Knowledge of specific foundry processes: Sand Casting, Investment Casting, or Die Casting.
- Familiarity with Spectrometer, Hardness Testers, and UTM.
- Understanding of GD&T (Geometric Dimensioning and Tolerancing).

5. Working Conditions & Benefits

- **Location:** MIDC Wai Dist –Satara (Maharashtra)
- **Shifts:** May require working in 12 Hrs rotational shifts (day/night).
- **Benefits:** Often includes Free Accommodation, Subsidized Canteen, and Transport, Annual Leave Payment, Auto Salary Revision upto 3 Years of service.

2. Job Profile for Junior Electrical Maintenance Engineer

A Junior Electrical Maintenance Engineer in the foundry sector is responsible for ensuring the uninterrupted operation of machinery, primarily focusing on preventative maintenance, troubleshooting, and repairs of heavy-duty industrial electrical equipment. This role involves minimizing downtime in a high-temperature environment by maintaining induction furnaces, EOT cranes, molding machines, and sand plants.

Key Responsibilities

- **Preventive & Predictive Maintenance:** Perform routine maintenance on motors, panels, Variable Frequency Drives (VFDs), MCC panels, and Transformers to prevent breakdowns.
- **Breakdown Maintenance & Troubleshooting:** Rapidly diagnose and fix faults in core foundry machinery (induction furnaces, sand plant, molding machines) to minimize production disruptions.

- **System Knowledge:** Work with PLC (Programmable Logic Controller) systems, SCADA, and instrumentation to ensure automated systems run correctly.
- **Equipment Commissioning:** Assist in the installation and commissioning of new electrical equipment.
- **Safety Compliance:** Strict adherence to safety norms, including Lockout-Tagout (LOTO) procedures and electrical safety standards.
- **Documentation:** Maintain maintenance logs, service records, and report downtime data (MTR/MTBF).
- **Inventory Management:** Manage electrical spare parts inventory.

Required Skills and Qualifications

- **Education:** Bachelor's degree or Diploma in Electrical Engineering.
- **Experience:** 0–3 years of experience in electrical maintenance, preferably in a heavy industrial setting or foundry.
- **Technical Skills:**
 - Knowledge of HT/LT power distribution systems.
 - Familiarity with induction furnace operations and cooling systems.
 - Proficiency in reading electrical drawings and schematics.
 - Experience with VFDs, motors, and control circuits.

Typical Working Conditions

- In-person, often on rotating shifts to cover 24/7 production.
- High-temperature environment.

Typical Salary & Benefits

- **Benefits:** Often include PF, food/accommodation/Transport and medical insurance.

3. Job Profile for Junior Coreshop Engineer

A Junior Coreshop Engineer in an Spheroidal Graphite (SG) Iron foundry is a shop-floor based, technical role focused on producing high-quality sand cores used to create internal cavities in castings. They are responsible for the entire core-making process, from sand preparation to final coating, ensuring dimensional accuracy and structural integrity of the cores.

Key Responsibilities

- **Production Monitoring:** Operate and monitor core-making machines (Cold Box, Shell Core) to meet daily production plans and output targets.
- **Process Control:** Manage sand mix ratios, binder, and catalyst control, ensuring proper resin-coated sand properties.
- **Quality Assurance:** Inspect cores for dimensional accuracy, strength, surface finish, and defects like breakage, cold box cracks, or improper curing.
- **Documentation & Reporting:** Maintain daily records of production, rejection rates, and raw material (sand/resin) consumption.
- **Troubleshooting:** Identify root causes of core defects and implement corrective actions (e.g., curing issues, core breakage).
- **Safety & Maintenance:** Enforce PPE usage, handle chemicals safely, and coordinate with maintenance for machine breakdowns.

Required Qualifications & Skills

- **Education:** Diploma or B.E./B.Tech in Mechanical, Foundry Technology, or Metallurgy.
- **Experience:** 0 to 3 years in a foundry core shop, specifically with SG iron.
- **Technical Knowledge:** Understanding of Cold Box and/or Shell Core processes.
- **Skills:** Ability to read engineering drawings, knowledge of measuring instruments, and familiarity with sand testing.
- **Soft Skills:** Good learning attitude, team coordination, and capability to work in shift duties.

Typical Salary & Benefits

- **Benefits:** Often include PF, food/accommodation/Transport and medical insurance.
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4. Job Profile for Junior Quality Engineer/Inspector

A Junior Quality Engineer/Inspector in a foundry is responsible for monitoring, inspecting, and ensuring that ductile iron castings meet strict metallurgical, dimensional, and customer specifications. This role focuses on controlling quality from raw material input to the final, finished casting, with a particular emphasis on nodularity, mechanical properties, and surface integrity.

Key Responsibilities

- **Incoming Material Inspection:** Verifying the chemical composition of raw materials such as scrap iron, ferroalloys, and carbon raisers to meet SG iron standards.
- **Melt Quality Control:** Monitoring Spectrometer analysis, carbon/silicon levels, and pouring temperatures to ensure proper melt chemistry before casting.
- **In-Process Inspection:** Monitoring nodulization and inoculation processes to guarantee proper graphite structure, and checking molds/cores for defects like cracks or moisture.
- **Final Casting Inspection:** Performing visual and dimensional checks using instruments like calipers, micrometers, and height gauges.
- **Non-Destructive Testing (NDT):** Conducting Dye Penetrant (DP) tests and Magnetic Particle Inspection (MPI) to detect surface or sub-surface defects.
- **Mechanical Property Testing:** Performing Brinell hardness tests and witnessing tensile/impact tests on casting samples.
- **Documentation and Reporting:** Maintaining inspection records, preparing rejected material reports (NMR), and updating quality documentation.

Required Skills and Qualification

- **Technical Skills:** Understanding of SG/Ductile iron solidification, ability to read blue prints and technical drawings, and proficiency with precision measuring tools.
- **Metallurgical Knowledge:** Understanding of microstructure analysis (nodularity, ferrite/pearlite ratio).
- **Experience:** 0–3 years in a foundry, casting, or metallurgical environment.
- **Software Proficiency:** Basic knowledge of MS Office (Excel/Word) and familiarity with ERP systems (like TCS) for recording inspection data.
- **Education:** Diploma or BE/B.Tech in Mechanical Engineering, Metallurgy, or a related field.

Key Competencies

- **Attention to Detail:** Meticulous approach to identifying defects like porosity, inclusions, and shrinkage.
- **Analytical Thinking:** Ability to perform root cause analysis (RCA) for casting rejections.
- **Communication:** Effective coordination with production teams for process adjustments.

Typical Salary & Benefits

- **Benefits:** Often include PF, food/accommodation/Transport and medical insurance.
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5. Job Profile for Junior Moulding Engineer

A Junior Moulding Engineer in a foundry acts as a critical link between design, production, and quality, ensuring that molds for casting are produced to exact specifications while optimizing efficiency. They work on the shop floor to manage sand, patterns, and machine operations for, typically, 0–3 years of experience.

Core Responsibilities

- **Supervision:** Oversee day-to-day molding line operations to meet production targets.
- **Process Control:** Monitor sand quality parameters (moisture, permeability, compression strength, resin ratio).
- **Methoding & Gating:** Work on gating system design and optimizing casting yields, potentially using simulation software.

- **Quality Assurance:** Conduct in-process inspections of moulds and cores to prevent casting defects like shrinkage or porosity.
- **Pattern Management:** Ensure proper pattern/tooling maintenance and setup on moulding machines.
- **Documentation:** Maintain production logs, process cards, and checklists.

Required Qualifications & Skills

- **Education:** Bachelor's degree or Diploma in Mechanical, Production, or Metallurgical Engineering.
- **Technical Knowledge:** Understanding of foundry processes, pattern allowances, and core-making.
- **Experience:** 0–3 years in an SG Iron foundry environment.
- **Skills:** Ability to read technical drawings, strong problem-solving skills, and knowledge of 5S.

Typical Salary & Benefits

- **Benefits:** Often include PF, food/accommodation/Transport and medical insurance.
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6. Job Profile for Junior Melting Engineer

A Junior Melting Engineer in an foundry is responsible for supervising the daily operations of the melting furnace to ensure high-quality molten metal is produced, adhering to strict chemical and metallurgical specifications.

Key Responsibilities

- **Furnace Operations & Control:** Supervise the operation of induction furnaces, including charging, melting, and tapping.
- **Metal Quality & Chemistry:** Monitor and control chemical composition (Carbon, Silicon, Manganese, etc.) using spectrometry, and adjust alloying elements to meet specifications.
- **SG Treatment & Inoculation:** Oversee magnesium treatment and inoculation processes to ensure proper graphite spheroidization.
- **Temperature Management:** Maintain appropriate tapping temperatures within specified limits.
- **Furnace Maintenance:** Monitor the lining thickness and wear of the induction furnace and plan for repairs/sintering cycles.
- **Safety & 5S:** Ensure compliance with safety protocols (PPE, Handling molten metal) and maintain 5S standards on the shop floor.
- **Documentation & Reporting:** Maintain accurate records of furnace logs, heat reports, raw material consumption, and energy usage.
- **Process Optimization:** Reduce melting losses, minimize slag formation, and improve energy efficiency.

Required Qualifications & Skills

- **Education:** B.E./B.Tech in Metallurgy, Mechanical, or Foundry Technology.
- **Experience:** 0–3 years in an SG Iron or Ductile Iron foundry environment.
- **Technical Skills:** Deep knowledge of ductile iron metallurgy, induction furnace operations, and spectro analysis.
- **Shift Work:** Willingness to work in a 12 Hours rotational shifts.

Typical Salary & Benefits

- **Benefits:** Often include PF, food/accommodation/Transport and medical insurance.
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Training & Placement Cell

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