

Metal Casting and Characterization



CSIR Integrated Skill Initiative

Schedule

- Date of commencement- July 15, 2019
- Duration of the course- 5 Days
- No. of seats- 15
- Course Fee- Rs. 3000/-



CSIR-NIIST

Objectives

To familiarize the principle and practice of Non-Ferrous alloy casting techniques and characterization of the castings for their microstructure and mechanical properties.

Topics to be Covered

- Foundry practice and safety measures
- Conventional and Advanced casting techniques
- Al melting and casting practice
- Mg foundry practice
- Composites and functionally graded material processing
- Casting defects and characterization
- Structure-Property correlation

Job Opportunities

- Foundry Engineer/Production Engineer/Supervisor in Foundries
- Testing and Quality Control Engineer in Foundries

Eligibility

Diploma in Mechanical/Metallurgy or B.Tech in Mechanical / Metallurgy

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