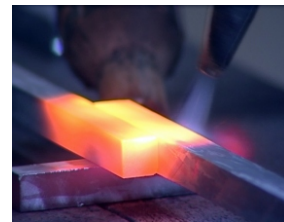


Training on Metallurgy

This program is well designed for the Engineers in the field of manufacturing, quality and vendor development disciplines in automobiles, defense industries and metal processing. Spectro offers an excellent platform for training on Metallurgy which is exercised in practical applications. The training imparts a complete knowledge which allows the trainee to carry out any test method independently.



Objective of the Training:

All the physical tests which include quality check are demonstrated to increase the knowledge of the trainee. The training provides a complete explanation of the unique physical characteristics of metals, the basis of selecting different metals for specific applications and the reasons for corrosion and its control.

Training Module for 6 days:

- Day 1: A brief introduction about extraction of metals from their ores and the methods to refine them.
- Day 2: Explanation of principles of Metallurgy and the related concepts like crystal lattice, diffusion, tensile testing, microstructure, precipitation hardening, etc.
- Day 3: Introduction to various types of corrosion such as electrochemical, intergranular, crevice, aqueous, pitting and galvanic corrosion.
- Day 4: Detailed introduction to chemical composition and properties of important commercial alloys.
- Day 5: Provide detail of how steel is heat treated to get several combinations of ductility and strength.
- Day 6: Explanation of quality control and failure analysis including evaluating the performance of metals in various applications.



Minimum Eligibility Required:

The trainee must possess a Diploma or Degree in any Science field or must be pursuing the same.



Benefits of the Training:

This training program is meant for those who are willing to enter the industries which relates to metals, minerals, ores, etc. Also the non-metallurgists who have little knowledge on this topic can enhance their knowledge and make their career in metallurgical field. Metallurgy has a very wide scope in all the industries as all the equipments are manufactured from metals.

Please Note:

- * We also conduct customized training programs on request.
- * The certificate will be provided only after clearing a test.



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