

## NDT in the Foundry



### Non Destructive Testing in the FOUNDRY

This COURSE provides an in-depth look into foundry operations and how NDT is used to test foundry products. The COURSE and instructor focuses on the application of Magnetic Particle Testing (M.T.), Penetrant Testing (P.T.), Radiographic Testing (R.T.) and Ultrasonic Testing (U.T.) on castings of different metallurgical composition. Contents: the structure of metals; solid solutions and alloying; metallurgical elements of cast steel, cast iron, cast aluminum alloys; casting design; essential components of a NDT department; specifications; quality control; magnetic materials; X-ray diffraction; identification and classification of cast steels; designation of cast aluminum, aluminum alloys and their tempers; RTR systems; porosity and shrinkage in cast aluminum alloys.

### **GAVADE INSTITUTE OF NON DESTRUCTIVE TESTING & TRAINING (GINDT)**

710/3A, Ground Floor, Swami Vivekanand Road

34 No. Marathi Government School

Angol, Belgaum - 590 006.

Karnataka State, India

Phone No: +091-831-2484060

Fax No: +091-831-2469074

Mobile No: +091-96329 16690, +091-9967581383 (Mumbai)

Email: [infogindt@gmail.com](mailto:infogindt@gmail.com)

Website: [www.gindt.co.in](http://www.gindt.co.in)

Gavade Institute of Nondestructive Testing & Training (GINDT)