

**Foundry - National Technical Certificate (NTC) and
Advanced National Technical Certificate (ANTC)**

Project

PROGRAM: ADVANCED NATIONAL TECHNICAL CERTIFICATE IN FOUNDRY

MODULE: CFD 25: PROJECT

PRE-REQUISITE: CFD 21, CFD 22, CFD 23 and CFD 24

GOAL: On completion of this module the trainee should be able to carry out a detailed study on his own and present an extended essay on a suitable topic.

Project

The Following are examples of suitable projects:

1. Investigate a Foundry layout and describes the production steps
2. Investigate the production of quality casting noting the causes and prevention of various defects in castings.
3. Carryout market survey of trends in foundry development
4. Forecast manpower requirement in relation to Foundry owners
5. Investigate the treatment and finishing operations in metal castings
6. Investigate the properties and use of various Engineering materials obtainable in foundry workshop.
7. Investigate methods of production of Engineering components examples, casting, forging, welding & fabrication etc.
8. Investigate the various methods of casting processes
9. Investigate the production of good pattern using various materials.