

## **ASSIGNMENT: 4 FORMING AND SHAPING PROCESSES.**

1. Explain the Metal working process with the concept of strain Hardening process.
2. Explain the Rolling process with Principle, Hot and cold rolling process, different Roll pass cycle, and Different types of rolling mill.
3. Write a Short note on Following with Figure.
  - Extrusion Process.
  - Wire & Tube Drawing Process.
4. Write a short note on Forging process with different forging method.
5. Tool design for forging process.
6. Write a Short note on below mention sheet metal forming processes with figure.
  - Shearing
  - Drawing, Deep Drawing
  - Squeezing
  - Piercing
  - Blanking
  - Coining & Embossing.
7. List out the various metal forming defects with Figure.
8. Explain the cold heading Process.