Diploma, Anna University-UG, PG., HSC & SSLC

Notes
Syllabus
Question Papers
Results and Many more...

www.AllAbtEngg.com

Available @

MF5211 AUTOMATION AND METAL FORMING LABORATORY

DETAILED SYLLABUS

OBJECTIVE

To train the students to have an hands on having the basic concepts of metal forming processes and to determine some metal forming parameters for a given shape.

EXPERIMENTS

- 1. Determination of strain hardening exponent
- 2. Determination of strain rate sensitivity index
- 3. Construction of formability limit diagram
- 4. Determination of efficiency in water hammer forming
- 5. Determination of interface friction factor
- 6. Determination of extrusion load
- 7. Study on two high rolling process

AUTOMATION LAB

- 1. Simulation of single and double acting cylinder circuits
- 2. Simulation of Hydraulic circuits
- 3. Simulation of electro pneumatic circuits
- 4. Simulation of electro hydraulic circuits
- 5. Simulation of PLC circuits
- 6. Software simulation of fluid power circuits using Automation studio.