

DEPARTMENT: MECHANICAL SEMESTER: 2

SUBJECT NAME: BASIC MECHANICAL ENGINEERING

SUBJECT CODE: 3110006

FACULTY NAME: PROF. JIGNESH PATEL

ASSIGNMENT 4

- 1. Explain water Temperature- Enthalpy Diagram for water.
- 2. Dryness fraction of steam cannot have the value more than unity: Justify.
- 3. 1.5 kg of steam at a pressure of 10bar and temperature of 250°C is expanded until the pressure becomes 2.8bar. The dryness fraction of steam is then 0.9. Calculate change in Internal Energy.



COLLEGE OF ENGINEERING & TECHNOLOGY.