

II Year II Semester

COURSE OUTCOMES – CIVIL ENGINEERING

Strength of Materials – II

At the end of the course, the student will be able to

- CO 1:-** Determine stresses in the member subjected to Torsion
- CO 2:-** Analyze columns and struts
- CO 3:-** Understand the concept of direct and bending stresses
- CO 4:-** Analyze and design springs, thin and thick cylinders
- CO 5:-** Understand the concept of unsymmetrical bending

Fluid Mechanics – II

At the end of the course, the student will be able to:

- CO 1:-** Understand the concepts of channel flows.
- CO 2:-** Compute flow profiles in channel transitions and analyze hydraulic transients
- CO 3:-** Design the working proportions of hydraulic machines

Structural Analysis

At the end of the course, the student will be able to:

- CO 1:-** Analyze Perfect, Imperfect and Redundant Frames
- CO 2:-** Formulate Equilibrium and compatibility equations for structural members
- CO 3:-** Analyze one dimensional and two-dimensional problems using classical methods
- CO 4:-** Analyze indeterminate structures

CO 5:- Analyze structures for gravity loads, moving loads and lateral loads

Engineering Geology

At the end of the course, the student will be able to:

CO 1:- Understand weathering process and mass movement

CO 2:- Distinguish geological formations

CO 3:- Identify geological structures and processes for rock mass quality

CO 4:- Identify subsurface information and groundwater potential sites through geophysical investigations

CO 5:- Apply geological principles for mitigation of natural hazards and select sites for dams and tunnels

MS Business Economic and Financial Analysis

CO 1:- The students will understand the various Forms of Business and the impact of economic Variables on the Business.

CO 2:- The Demand, Supply, Production, Cost, Market Structure, Pricing aspects are learnt.

CO 3:- The Students can study the firm's financial position by analyzing the Financial Statements of a Company

Fluid Mechanics Lab

At the end of the course, the student will be able to:

CO 1:- Determine coefficient of discharge for orifice and mouthpiece.

CO 2:- Calibrate notches venturimeter orifice meters

CO 3:- Determine minor losses in pipes

Surveying - II Lab

CO 1:- Perform surveying on any civil engineering work

Engineering Geology Lab

At the end of the course, the student will be able to

CO 1:- Identify the various rocks, minerals depending on geological classifications

Environmental Science and Technology

CO 1:- Based on this course, the Engineering graduate will understand /evaluate / develop technologies based on ecological principles and environmental regulations which in turn helps in sustainable development