I Year I Semester

COURSE OUTCOMES –CIVIL ENGINEERING

MATHEMATICS-I

CO 1:- write the matrix representation of a set of linear equations and to analyze the solution of the system of equations

 CO 2:- find the Eigen values and Eigen vectors which come across under linear transformations

CO 3:- find the extreme values of functions of two variables with/ without constraints.•

CO 4:- Identify whether the given first order DE is exact or not•

CO 5:- solve higher order DE's and apply them for solving some real world problems

MATHEMATICS – II

CO 1:- use Laplace transform techniques for solving DE's

CO 2:- Evaluate integrals using Beta and Gamma functions

CO 3:- evaluate the multiple integrals and can apply these concepts to find areas, volumes, moment of inertia etc of regions o

CO 4:- evaluate the line, surface and volume integrals and converting them from one to another

ENGINEERING PHYSICS - I

CO 1:- Learn principle, working of various laser systems and light propagation

CO 2:- Learn principle, working of various laser systems and light propagation through optical fibers.

CO 3:- Distinguish various crystal systems and understand atomic packing factor.

CO 4:- Know the various defects in crystals.

CO 1:- Demonstrate the basic knowledge of computer hardware and software.

CO 2:- Ability to write algorithms for solving problems.

CO 3:- Ability to draw flowcharts for solving problems.

CO 4:- Ability to code a given logic in C programming language.

CO 5:- Gain knowledge in using C language for solving problems.

ENGINEERING GRAPHICS

CO 1:- Ability to prepare working drawings to communicate the ideas and information.

CO 2:- Ability to read, understand and interpret engineering drawings.

COMPUTER PROGRAMING IN C LAB

CO1:- Ability to design and test programs to solve mathematical and scientific problems.

CO2:- Ability to write structured programs using control structures and functions.